



# **2012 HPLC Spare Parts Book**

International Version

January 2012

|                                                              |
|--------------------------------------------------------------|
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|--------------------------------------------------------------|

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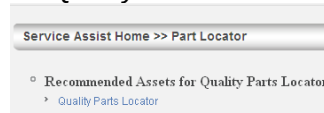
## Locating Part Numbers on the Portal

Part Numbers in this book are accurate at the time of printing. For the latest information on part numbers, go to the Waters Quality Parts Locator, accessible through the Service Assist Tab on the Portal.

Go to [portal.waters.com](http://portal.waters.com) and log in using your Portal User ID and Password. Select the Service Assist tab and then choose the Part Locator icon.



From there select  
*Quality Parts Locator*



All products are available from one of the drop-down menus listed.



Service Engineer Information

Assign the part number from the list below. You are intended to be given the part number, otherwise information is given to you.

|                             |                        |
|-----------------------------|------------------------|
| Model Specifications        | System Components      |
| Select Product              | Select Product         |
| System                      | Pump                   |
| Select Product              | Select Product         |
| Hardware / Sample Manager   | API / API Technologies |
| Select Product              | Select Product         |
| Software                    | Agilent/ID             |
| Select Product              | Select Product         |
| Advanced Separation Modules |                        |
| Select Product              |                        |

## SERVICE ASSIST

### Find a Part Number with Service Search

In the past, **Service Search** yielded many results and presented them according to possible relevance to the search term, similar to a Google search result.

The new **Service Search** gives *you* more control of what information you are searching!

Once you've logged into the portal, you have access to Service Search, located on the upper left side of the Service Assist window. By selecting *Show Options* you can select/deselect various search areas to customize your search.

Enter your search term or part number in the search field, using double quotes (" . . ") around phrases; part numbers do not require double quotes.

#### Filter by Predefined Properties

Use the drop-down menu to select specific products within a product category.

Increase your search scope by using the drop-down menus more than once to select more products from other categories to associate with your search term.

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## U6K - Limited Parts and Service

### Waters Syringes

|                           |           |
|---------------------------|-----------|
| Syringe w/REM NDL 25UL    | WAT027600 |
| Syringe w/REM NDL 0-100UL | WAT027601 |

### Syringes & Needles-Hamilton Syringes

|                         |           |
|-------------------------|-----------|
| Syringe (10 ul)         | WAT027626 |
| Syringe (25 ul)         | WAT027622 |
| Syringe (100 ul)        | WAT027621 |
| Syringe (250 ul)        | WAT027620 |
| 800 SER SYR Needle 3/PK | WAT027623 |

### Sample & Restrictor Loops

|                 |           |
|-----------------|-----------|
| 250 ul Loop     | WAT096125 |
| 2 ml Loop (std) | WAT096106 |

## 6000A/510/590 - A91

### Reference Valves

|                         |           |
|-------------------------|-----------|
| Reference Valve 600/510 | WAT026592 |
| Kit Ref. Vlv Reblld Pmp | WAT025746 |

### Noise Filter

|                           |           |
|---------------------------|-----------|
| Assy, Filter HP           | WAT025552 |
| High-Sen. Noise Filter    | WAT025200 |
| Assy Restrictor, SDS      | WAT025561 |
| Assy, Filter Low Pressure | WAT098060 |
| Manifold Block            | WAT025534 |

### Upgrades & Options

|                           |           |
|---------------------------|-----------|
| Buffer Seal Kit           | WAT069500 |
| Pump Seal Kit w/Spring    | WAT069581 |
| Extended Flow Upgrade Kit | WAT094003 |
| Plunger Wash Kit 100ul    | WAT031870 |

## 6000A/510/590 - Limited Parts and Service

### Other Replacement Parts

|                             |           |
|-----------------------------|-----------|
| In-Line Fitr Repl. Kit      | WAT026415 |
| Assy, Solvent Filter        | WAT025531 |
| Assy Difusser               | WAT007272 |
| Syringe, 10ml Safety        | WAT027629 |
| Gen. Pump Mech.             | WAT005036 |
| Oil Seal, 4pk               | WAT005081 |
| Lub. Oil, 150cc             | WAT025661 |
| Assy Hypo Needle w/hardware | WAT025559 |
| Gradient Mixer 600          | WAT051518 |
| 590 Transducer              | WAT060328 |
| Gradient Control Cable      | WAT074082 |
| Optic Prime Draw off Valve  | 741000121 |
| Strain Gauge Xducer Cable   | WAT036142 |

### Pump Heads

|                           |           |
|---------------------------|-----------|
| Pump Head w/Check vlvs    | WAT060058 |
| Head, Support, 316SS, FIN | 700002895 |
| Head Screws               | WAT040595 |
| Head Support Screws, 2pk  | 700001899 |

### Check Valves

|                        |           |
|------------------------|-----------|
| Inlet Check Valve Assy | WAT033679 |
| Inlet Rebuild Kit      | WAT060495 |
| Inlet Housing          | WAT025203 |
| Outlet Check Valve     | WAT025028 |
| Spr. Out Ck Kit        | WAT026016 |
| Housing Outlet         | WAT025212 |

## 6000A/510/590 - Limited Parts and Service

### Plungers

|                            |           |
|----------------------------|-----------|
| Assy, Plunger Sapphire 1/8 | WAT025656 |
| Oriented Plunger, 510      | WAT069511 |
| Inc. Rod Update Kit M510   | WAT069583 |
| Ret ring N5000-50H INT     | WAT025360 |

### Plunger Seals

|                           |           |
|---------------------------|-----------|
| Seal Clear - 100          | WAT022934 |
| Seal, Clear -100 4pk      | WAT022946 |
| Seal, Kit black, replace  | WAT026613 |
| Plunger Seal, TAN (Rulon) | WAT025384 |
| Seal Plunger (Ext. Flow)  | WAT026644 |
| Pump Seal Kit w/Springs   | WAT069581 |
| AQ Seal repl. Pkg 2pk     | WAT025296 |
| AQ Seal repl. Pkg 4pk     | WAT025297 |

### Solvent Drawoff - Single Solvent

|                        |           |
|------------------------|-----------|
| SDS, Draw-off Valve    | WAT060042 |
| Kit, inlet Man rebuild | WAT060448 |
| Draw Off Tube Assy     | WAT060476 |
| Ball PTFE Plug 10pk    | WAT005061 |
| Inlt Man Seal Kt       | WAT060012 |

### Three Solvent

|                                       |           |
|---------------------------------------|-----------|
| inlet Manifold Rebuild Kit M6000A     | WAT025744 |
| Draw Off Tube Assy                    | WAT025740 |
| inlet Manifold Assy w/Filter, 5pk     | WAT005086 |
| Tube manifold to right inlet chk vlv  | WAT060038 |
| Tube manifold to left inlet check vlv | WAT060037 |
| Tubing Head-T                         | WAT060069 |

### Upgrades & Options

|                       |           |
|-----------------------|-----------|
| Plunger Seal Wash Kit | WAT031870 |
|-----------------------|-----------|

## 650 Controlled Components - Limited Parts and Service

### (See 600 Controllers)

Fluidic Components (45 mL, 225 ul System)

Note: 45 mL systems have a 3 stamped on Top of pump Head

|                            |           |
|----------------------------|-----------|
| inlet Check Valve Housing  | WAT082719 |
| Outlet Check Valve Housing | WAT082720 |
| O-Ring (Housing)           | WAT082752 |
| O-Ring (Pump Head)         | WAT082753 |
| Retainer Cup               | WAT082858 |
| Ball & Seat                | WAT032646 |
| Plunger                    | WAT060304 |
| Indicator Rod              | WAT082718 |

### Miscellaneous

|                                               |           |
|-----------------------------------------------|-----------|
| Plunger Seal                                  | WAT082848 |
| Seal Insertion Tool                           | WAT082840 |
| Solvent Draw off inlet Manifold Assy, 616/626 | WAT035135 |
| Check Valve Hamilton Assy                     | WAT035136 |
| Mounting Screws                               | WAT046327 |
| Star Washer                                   | WAT022032 |

Note: Check Valve parts are sold individually, there are no KITS. inlet & outlet valves use the same parts, only different hs

### Inlet Check Valves

|                            |           |
|----------------------------|-----------|
| Housing                    | WAT082719 |
| Outlet Check Valve Housing | WAT082720 |
| O-Ring (Housing)           | WAT082752 |
| O-Ring (Pump Head)         | WAT082753 |
| Retainer Cup               | WAT082858 |
| Ball & Seat                | WAT032646 |
| Plunger                    | WAT033322 |
| Indicator Rod              | WAT082718 |
| Plunger Seal               | WAT082847 |
| Seal Insertion Tool        | WAT082839 |

## 650 Controlled Components - Limited Parts and Service

|                                      |           |
|--------------------------------------|-----------|
| <b>Gradient Proportioning Valves</b> |           |
| 650, 45 mL (Pre 1988)                | WAT082823 |
| 650E, 80 MI                          | WAT082823 |
| <b>Conversion Kits</b>               |           |
| 150mL Flow Kit                       | 205000135 |
| 300mL Flow Kit                       | 205000136 |
| <b>Electronic Components</b>         |           |
| 650E, 45 MI                          | WAT062032 |
| Slammer Board 650, 45 MI 650E, 80 MI | WAT089597 |
| <b>Spare Tubing (1/8 OD)</b>         |           |
| .040 ID (10 ft.)                     | WAT088432 |
| .020 ID (10 ft.)                     | WAT088430 |
| .009 ID (10 ft.)                     | WAT088431 |
| <b>Fittings</b>                      |           |
| Comp Nut Union 1/8 x 1/8             | WAT082734 |
| Comp. Screw Union 1/16 x 1/16        | WAT082745 |
| <b>Adapters</b>                      |           |
| 1/8 to 1/16 5/Pkg                    | WAT005137 |
| 1/16 Flaired to 1/8                  | WAT082732 |
| FerruleTubing 1/810pk                | WAT005136 |
| Reverse Ferrule 1/8 Tubing           | WAT088466 |
| Comp. Screw, 1/8 Tubing              | WAT082722 |
| Collet & Nut Assy, 1/8 (10pk)        | WAT005138 |
| Comp. Screw & Ferrule 1/16           | WAT082708 |



## 680 Gradient Controller - Limited Parts & Service

### Cables

|                 |           |
|-----------------|-----------|
| Cable, 680 Pump | WAT074082 |
|-----------------|-----------|

## 501- Limited Parts and Service

### Other Replacement Parts

|                                 |           |
|---------------------------------|-----------|
| In-Line Filter Rbld Kit         | WAT026415 |
| inlet Check Valve Fitting (M45) | WAT026536 |
| Washer for 26536, 4/Pk          | WAT005083 |
| Solvent Res. Filter – Metal     | WAT025531 |
| Diffuser Assy                   | WAT007272 |
| Safety Syringe, 10ml            | WAT027629 |
| Priming Syringe Needle          | WAT025559 |
| Gradient Mixer Single Stage     | WAT051518 |

### Mechanical Components

|                   |           |
|-------------------|-----------|
| Motor             | WAT021013 |
| Motor Seal O-Ring | WAT025581 |
| Oil Seal, 4/Pk    | WAT005081 |

### Electronic Components

|                       |           |
|-----------------------|-----------|
| Driver Board          | WAT024625 |
| ON/OFF Switch         | WAT023220 |
| Sump Pump Cover/Clear | WAT060316 |

### Pump Heads

|                   |           |
|-------------------|-----------|
| Primary Pump Head | WAT026550 |
| Head Support      | 700002895 |

## 501- Limited Parts and Service

### Inlet Check Valves

|                            |           |
|----------------------------|-----------|
| inlet Check Valve          | WAT033679 |
| inlet Check Vlv Rbld Kit   | WAT060495 |
| inlet Check Valve Housing  | WAT025203 |
| Outlet Check Valve         | WAT025216 |
| Outlet Check Vlv Rbld Kit  | WAT026014 |
| Outlet Check Valve Housing | WAT025207 |

### Plunger Seals

|                           |           |
|---------------------------|-----------|
| Plunger                   | WAT026524 |
| Indicator Rod Kit         | WAT069583 |
| Plunger Seal, Black       | WAT026613 |
| Plunger Seals, Tan        | WAT025384 |
| Plunger Seal, Clear       | WAT022934 |
| Plunger Seals, Clear, 4pk | WAT022946 |

### Solvent Drawoff - Single Sovent inlet

|                        |           |
|------------------------|-----------|
| Manifold               | WAT060042 |
| inlet Manifold Rbd Kit | WAT060448 |
| Draw Off Tube Assy     | WAT060476 |
| Teflon Ball, 10/Pk     | WAT005061 |
| inlet Mnifld Seal Kit  | WAT060012 |

### Reference Valve

|                         |           |
|-------------------------|-----------|
| Reference Valve w/Screw | WAT026592 |
| Ref. Valve Rebuild Kt   | WAT025746 |

### Noise Filter

|                      |           |
|----------------------|-----------|
| M45/501 Noise Filter | WAT026596 |
|----------------------|-----------|

## 590 - Limited Parts and Service

### Fuses

|                   |           |
|-------------------|-----------|
| Fuse, 1A (5/Pkg.) | WAT005064 |
|-------------------|-----------|

### Other Replacement Parts

|                          |           |
|--------------------------|-----------|
| Strain Gauge Xducer Assy | WAT045400 |
|--------------------------|-----------|

## 712 - Limited Parts and Service

### Syringes

|                  |           |
|------------------|-----------|
| 25 ul            | WAT077343 |
| 250ul (Standard) | WAT073109 |
| 2500 ul          | WAT077342 |
| Seal Kit 15pk    | WAT073210 |

### Tubing

|                         |           |
|-------------------------|-----------|
| Yellow TFE Tubing 25 ft | WAT077040 |
| Clear TFE Tubing 25 ft  | WAT077043 |
| Green TFE Tubing 25 ft  | WAT077044 |
| Outlet Tubing Column    | WAT072215 |

### Other Replacement Parts

|                                   |           |
|-----------------------------------|-----------|
| 48 Vial Carriage                  | WAT078723 |
| 96 Vial Carriage                  | WAT078727 |
| In-Line Filter Assy               | WAT035190 |
| replacement 2 um Frit (5pk)       | WAT005139 |
| LVI for 4ml Scr. Cap Vial, Rd Btm | WAT015199 |

### Vials

|                                  |            |
|----------------------------------|------------|
| Vial, 3ml, pp w/ CAP 100 pk      | 186004031  |
| Amber Glass vials/caps 4ml 100pk | WAT025050  |
| Clear Glass vials/caps 1ml 250pk | WAT025054C |

## 712 - Limited Parts and Service

### Vials - continued

|                                     |            |
|-------------------------------------|------------|
| 1ml Glass Vial, 500pk               | WAT022479  |
| 700 Plastic Vial, Conical, 96pk     | WAT022476  |
| 1ml Shell Glass Vial Amber          | WAT025053C |
| LVI, 1 Glass pkg 250uL 100 per Pack | WAT072704  |
| Air Fitting brass/barb              | WAT072488  |

## 715 WISP - Limited Parts and Service

### Fluidic Components

Note: 715 WISPs with SN < 689 and 715 H/C < 273 came with the old style Seal Pack. When installing a new style injector, be sure that the 715 has Rev. 2.1 software installed

|                            |           |
|----------------------------|-----------|
| Seal Pack replacement Kit  | WAT045559 |
| Valves HPMV (Valves 1 & 2) | WAT045438 |
| HPMV Rebuild Kit           | WAT045424 |
| HPMV Tool Kit              | WAT045427 |
| LPV Rebuild Kit            | WAT045436 |
| Low Pressure Valve & Motor | WAT045439 |

### Needlewash

|                                 |           |
|---------------------------------|-----------|
| Needlewash Pump                 | WAT045607 |
| Spare Vlv, Assy, w/conn Biochem | WAT078800 |

### Loops & Tubing

|                        |           |
|------------------------|-----------|
| Sample Loop (193 ul)   | WAT045412 |
| Restrictor Loop        | WAT045410 |
| WISP inlet Line (Blue) | WAT045418 |
| Column Outlet Tube     | WAT072215 |

## 715 WISP - Limited Parts and Service

### Syringes

|                          |           |
|--------------------------|-----------|
| 25 ul                    | WAT077343 |
| 250 ul                   | WAT073109 |
| 2500 ul                  | WAT077342 |
| Strain Gauge Xducer Assy | WAT045400 |

### Mechanical Components

|                              |           |
|------------------------------|-----------|
| Syringe Drive w/Motor & Gear | 700000239 |
|------------------------------|-----------|

### Other Replacement Parts

|                      |           |
|----------------------|-----------|
| 48 Vial Carriage     | WAT078723 |
| 96 Vial Carriage     | WAT078727 |
| BCD Option           | WAT271200 |
| BCD Option           | WAT271200 |
| Fuse, 5A, 250V, 5/Pk | WAT005116 |
| Fuse, 3A             | WAT022626 |
| Gasket H/C           | WAT078605 |
| ON/OFF Switch        | WAT023220 |
| Fuse, 1A, Slow-Blow  | WAT042090 |

## 410 - Limited Parts and Service

### Electronic Component

|                    |           |
|--------------------|-----------|
| 410 Main Combo PCB | 700001336 |
|--------------------|-----------|

### Optics Bench Components

|                            |           |
|----------------------------|-----------|
| Mirror                     | WAT031008 |
| Flow Cell Assy w/End Cap   | WAT070195 |
| LED Assembly               | WAT070323 |
| Photodiode Assembly        | WAT070230 |
| Counter Current Heat Exch. | WAT070220 |

## 410 - Limited Parts and Service

### Optics Bench Components - continued

|                   |           |
|-------------------|-----------|
| Optics Bench      | WAT070124 |
| Collimating Lens  | WAT070146 |
| Bellville/10 Pack | WAT005099 |
| mirror Holder     | WAT070135 |

### Internal Heater Components

|                   |           |
|-------------------|-----------|
| Solid State Relay | WAT070278 |
| 12 V DC Fan       | WAT070224 |
| RTD Sensor        | WAT070324 |
| Heater Assembly   | WAT070283 |

### Other Replacement Parts

|                                  |           |
|----------------------------------|-----------|
| Valve Bracket Kit w/Instructions | WAT070074 |
| Pressure Relief Valve            | WAT070377 |
| Solenoid Valve                   | WAT070376 |
| Fan, AC, 3, 21 CFM 115/60        | WAT097531 |
| Fan Filter Guard                 | WAT097610 |
| ON/OFF Switch                    | WAT023220 |
| Fuse 1A (5/pkg)                  | WAT005064 |
| Rev. 4.3 SW                      | WAT031147 |
| BulkHead Fitting .040            | WAT070194 |
| BulkHead Fitting .020            | WAT070216 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| CE Mark Solid State Relay | WAT070278 |
|---------------------------|-----------|

## 474 - Limited Parts and Service

### Lamps

|                     |           |
|---------------------|-----------|
| 474 Maintenance Pkg | WAT052665 |
| Xenon Lamp Assy     | WAT047447 |

## 474 - Limited Parts and Service

### Flow Cell Components

|                           |           |
|---------------------------|-----------|
| Flow Cell Assy (16ul)     | WAT047478 |
| Flow Cell Rep. Kit (16ul) | WAT047491 |
| Flow Cell Rep. Kit (5ul)  | WAT047494 |
| Flow Cell Gasket Kit      | WAT047477 |
| Panel BulkHead Connection | WAT031317 |
| Outlet Tubing (.020)      | WAT031328 |

### Electronic Components

|                                       |           |
|---------------------------------------|-----------|
| Power Distribution Assy               | WAT047451 |
| HV Power Supply Assy                  | WAT047452 |
| Lamp PS                               | WAT048084 |
| Low Volt Power Supply, Old Style      | WAT047427 |
| Low Volt Power Supply, > Serial # A01 | 700001443 |
| A/D - D/A PCB                         | WAT047403 |
| Pre-Amp PCB                           | WAT047404 |
| Keyboard PCB                          | WAT047406 |
| CPU PCB w/o PROM                      | WAT047407 |
| Battery Assembly                      | WAT031338 |
| 474 Rs-232 Control Kit                | 185000100 |

### Other Replacement Parts

|                                           |           |
|-------------------------------------------|-----------|
| Optical Filter Kit                        | WAT047448 |
| Optics Bench Assy                         | WAT047449 |
| Fan, 120MM                                | WAT047411 |
| Fan, 60MM                                 | WAT047412 |
| 40/474 HI SENS PMT                        | WAT047416 |
| Photomultiplier Tube-red Sensitive (R928) | WAT031336 |
| Std. Photo- multiplier Tube               | WAT031313 |
| LCD Display                               | WAT047421 |
| IC, Prog, Prom, 474 V2.0.2                | 361000134 |

## 474 - Limited Parts and Service

### Other Replacement Parts - continued

|                           |           |
|---------------------------|-----------|
| 474 Cuvette Holder        | WAT047475 |
| Regulator Assembly        | WAT047427 |
| Solid State Relay         | WAT047428 |
| Rear Panel Terminal Strip | WAT078793 |

### Fuses - CE Mark Units starting w/MX6EM1376M

|              |           |
|--------------|-----------|
| 5.0 amp Fuse | WAT163-18 |
| Fuse holder  | WAT048107 |

### Pre CE Mark

|                   |           |
|-------------------|-----------|
| 2.5 amp Fuse      | WAT072919 |
| 5.0 amp Fuse, 5pk | WAT005116 |
| Fuse Holder       | WAT047438 |

## 486 - Limited Parts and Service

### Electronic Components

#### CE Mark units beginning w/MX5SM2812M

|                                                     |           |
|-----------------------------------------------------|-----------|
| Low voltage power supply                            | WAT049615 |
| Microprocessor board                                | WAT060640 |
| Front panel board /LCD                              | WAT080773 |
| Transformer                                         | WAT049736 |
| Power Switch                                        | WAT023220 |
| Low voltage power supply conversion Kit pre-ce Mark | 700002486 |

### Pre CE Mark Units

|                         |           |
|-------------------------|-----------|
| Microprocessor board    | WAT060640 |
| Front panel board / LCD | WAT080773 |
| Transformer             | WAT049736 |



## 486 - Limited Parts and Service

### Flow Cell Kits

|            |           |
|------------|-----------|
| Analytical | WAT080733 |
| Semi-Prep  | WAT080734 |

### Flow Cell Components - Analytical Flow Cell

|                         |           |
|-------------------------|-----------|
| Analytical Cell Body    | WAT080251 |
| Cell Gasket, Lamp Side  | WAT080336 |
| Cell Gasket, Diode Side | WAT080335 |
| O-Ring, Cell Window     | WAT046376 |
| Belleville Washer       | WAT030970 |

### Non-Metallic Flow Cell

|                     |           |
|---------------------|-----------|
| O-Ring, Cell Window | WAT046376 |
|---------------------|-----------|

### LC-MS Flow Cells

|                          |           |
|--------------------------|-----------|
| Cell Gasket, Lamp Side   | WAT080336 |
| Cell Gasket, Diode Side  | WAT080335 |
| O-Ring, Cell Window      | WAT046376 |
| O-Ring, Cell Window      | WAT046376 |
| Gasket Lamp, Semi Prep   | WAT080383 |
| Gasket Window, Semi Prep | WAT080277 |
| Window Kit               | WAT097091 |
| O-Ring, Cell Window      | WAT046376 |

### Optics

|                                   |           |
|-----------------------------------|-----------|
| Grating 484/486 PKG               | WAT080838 |
| Deuterium Lamp 2000hr             | 700000356 |
| Grating Belt                      | WAT080269 |
| Grating Motor & limit Switch Assy | WAT080472 |
| Gasket Beam Splitter Cover        | WAT080216 |
| Window, Optics Cover              | WAT080244 |
| Optics Cover                      | WAT080656 |

## 486 - Limited Parts and Service

### Optics - continued

|                       |           |
|-----------------------|-----------|
| Window Holder         | WAT080660 |
| Optics Cover Window   | WAT080834 |
| Lens                  | WAT080687 |
| RTV (Black)           | WAT024076 |
| Performance Plus Lamp | 700000356 |
| 486 Lamp Cover Kit    | 700000877 |

### Fuses

|                      |           |
|----------------------|-----------|
| Fuse, 1/2 A, Slo-Blo | WAT042091 |
| Fuse, 6.25A, Slo-Blo | WAT040214 |
| Slo-Blo Fuse, .75A   | WAT099543 |
| Slo-Blo Fuse, 1.5A   | WAT099542 |
| Fuse 1a, F6/F7 250V  | WAT022615 |

### Miscellaneous

|                                           |             |
|-------------------------------------------|-------------|
| Lithium Battery                           | WAT080443   |
| Fan Filter                                | WAT080315   |
| 486 Lamp Cover Kit                        | 700000877   |
| S/W Chip u42 (Old Style) v4.2             | 667000542EN |
| Bushing, Bronze (For Lead Screw) 125x375x | WAT080276   |
| Lead Screw w/Nut                          | WAT080263   |
| Assy, Fan 484                             | WAT080567   |
| 486 LVPS Conv. Kit                        | 700002486   |

## 996 - Limited Parts and Service

### Electronic Components

|                        |           |
|------------------------|-----------|
| Data Acquisition Board | WAT057901 |
| Power Supply Assy      | WAT057902 |
| PDA Charge Amp Bd.     | WAT057903 |
| CPU Bd.                | WAT057904 |

## 996 - Limited Parts and Service

### Flow Cells and Components

|                                                    |           |
|----------------------------------------------------|-----------|
| Analytical Cell Assy w/Tubing, Ftng., & Hldr.      | WAT057919 |
| Core Body Analytical Cell                          | WAT057932 |
| Cell/Fuses (2)                                     | WAT057923 |
| Cell Gasket (2)                                    | WAT057924 |
| Belleville Washer (2)                              | WAT057925 |
| Semi-Prep Lens Kit                                 | WAT057968 |
| Analytical HP Cell Assy w/Tubing, Ftng. & Hldr.    | WAT057460 |
| Inert (Titanium) Cell Assy w/Tbng., Ftngs., & Hldr | WAT057461 |
| Microbore Cell Assy w/Tbng., Ftngs., & Hldr.       | WAT057462 |
| Semi-Prep Cell Assy w/Tbng., Ftngs., & Hldr.       | WAT057463 |
| BulkHead bracket - Black                           | WAT057631 |
| Semi-Prep Rebuild Kit                              | WAT057968 |
| Autopurification Flow Cell                         | 289000612 |
| Autopurification cell rebuild Kit                  | 700002769 |

### Cables

|                                      |           |
|--------------------------------------|-----------|
| PDA Video Cable                      | WAT057310 |
| Chrg Amp to Data Acq. Cbl            | WAT057320 |
| Feedback Photodiode Holder CableAssy | 700000533 |
| Analog Out CableAssy                 | WAT057235 |
| Event In/Out CableAssy               | WAT020321 |
| IEEE 2M Inline CableAssy             | WAT200491 |
| IEEE Adapter (Right angle)           | WAT057928 |
| Lamp Dr Swtch & Cbl Assy             | WAT057584 |

### Optics Components

|                          |           |
|--------------------------|-----------|
| PM Kit for 996/2996      | WAT052586 |
| Beam Splitter Assy       | WAT057912 |
| Feedback Ref. Photodiode | WAT057914 |
| Shutter Assy             | WAT057909 |
| M1 mirror Assy           | WAT057783 |
| M2 mirror Assy           | 700002534 |

## 996 - Limited Parts and Service

### Miscellaneous

|                                                   |           |
|---------------------------------------------------|-----------|
| 4 Amp 5X20mm Fuse                                 | WAT057337 |
| 6 Pin Conn. Terminal Plug (Analog Out 1 & 2)      | WAT057241 |
| 10 Pin Conn. Terminal (Event In/Out 1 & 2)        | WAT057112 |
| Power On/Off Switch Rod Assy                      | WAT057910 |
| 50u Aperature (Slit) Assy                         | WAT057920 |
| 100u Aperature (Slit) Assy                        | WAT057921 |
| 150u Aperature (Slit) Assy                        | WAT057922 |
| Insulation Barrier (between optics & electronics) | WAT057485 |
| Assy, cable, LED (green front panel) 996          | WAT057596 |
| 996 Startup Kit                                   | WAT057050 |
| T-10 Torx Driver                                  | WAT057348 |
| T-20 Torx Driver                                  | WAT057387 |
| Lamp Mtng. Scrw, M4                               | WAT411410 |
| Drain Tube                                        | WAT057384 |
| Foam Filter                                       | WAT057373 |
| Mercury Calib. Kit 110v                           | WAT057790 |
| Mercury Calib. Kit (220v)                         | WAT057791 |
| Thermal Switch, Threaded                          | WAT057588 |

## Integrity Systems - Limited Parts and Service

### Vacuum Systems Spares

|                                      |            |
|--------------------------------------|------------|
| Ms Oil Mist Filter Housing W/Element | WAT241107  |
| Oil Mist Filter Element              | 6060142    |
| NW25 Center Ring, Fluro              | 6071207    |
| NW25 Flange, Lg, Butt                | S100440AD1 |
| NW25 Swing Clamp                     | WAT240696  |
| NW25 Tee                             | WAT240462  |
| Adapter NW25 - 1/2 Hose              | 6070506    |
| Ms Vac Hose PVC 1 in. 25 Ft.         | WAT241165  |
| NW40 - NW25 reducer                  | 6061401-S  |

## **Integrity Systems - Limited Parts and Service**

### **Vacuum Chamber Components**

|                     |         |
|---------------------|---------|
| Ms Aim Vacuum Gauge | 6060973 |
|---------------------|---------|

### **O-Rings**

|                                |           |
|--------------------------------|-----------|
| O-Ring Viton 2-117 (Aim Gauge) | WAT241169 |
| O-Ring Base Plate, Small       | WAT022453 |

### **Thermabeam Interface Components**

|                                |           |
|--------------------------------|-----------|
| Tube S.S. .062 x.005 x 120 in. | WAT241039 |
|--------------------------------|-----------|

### **Miscellaneous Components**

|                             |           |
|-----------------------------|-----------|
| Ms Turbo Oil Wick           | 5560013TU |
| Power Cord 220V             | WAT097410 |
| Connector Term. Plug 6-pin  | WAT057241 |
| Connector Term. Plug 15-Pin | WAT078793 |

### **Service Tools**

|                         |           |
|-------------------------|-----------|
| Torx (tm) Driver (T-10) | WAT057348 |
| Torx (tm) Driver (T-20) | WAT057387 |

## **LCZ/ZMD - Limited Parts and Service**

### **Screws/Nuts/Ferrules/Fuses**

|                                   |           |
|-----------------------------------|-----------|
| ESI Ferrule 1/16 x .3 Bore, GVF   | 415000110 |
| ESI GVF 16-16 Ferrule             | 700000343 |
| APCI GVF-004 Ferrule              | 700000344 |
| Thermal Fuse Assy                 | 700000347 |
| PEEK Union, 2pk                   | 415000106 |
| Nut/Ferrule Upchurch F300 (5/pkg) | 405000155 |
| M2 Plain Washer 20/pkg            | 700000107 |
| APCI M 2x2 Grub Screw             | 5316014FL |
| Adapter, 10/32 UNF Union          | 700000481 |

## LCZ/ZMD - Limited Parts and Service

### Screws/Nuts/Ferrules/Fuses - continued

|                                     |            |
|-------------------------------------|------------|
| E-clip 4mm RS289-477, 10pk          | 700000109  |
| Screw, M3X6 CH HD 10pk              | 700000116  |
| M 2x2 APcl Grub Screw Slotted 10 Pk | 700000967  |
| Screw M4X30, Ion Block Support      | 700001045  |
| Screw M4X25 - Ion Block 10pk        | 700001044  |
| Attach Screw ESI Probe              | M955734BC1 |
| Attachment Screw APCI               | 700000577  |
| APCI Knob Grub Screw 20pk           | 700000579  |
| Screw M2 x 5 mm CH HD 10pk          | 700000868  |
| Support Pillar                      | M955117BD1 |

### Printed Circuit Boards

|                          |           |
|--------------------------|-----------|
| TPC PCB                  | 700000279 |
| High Mass RF/DC PCB      | 700000280 |
| Analog PCB               | 700000283 |
| Digital PCB              | 700000284 |
| RF/DC PCB (for ZMD 2000) | 700000331 |
| Generator, RF LCZ2000    | 700000330 |
| 32 Pin Extender Card     | 700000350 |
| 96 Pi Extender Card      | 700000351 |

### Power Supplies

|                              |           |
|------------------------------|-----------|
| Coutant PSU CA600 28G, 24D   | 700000270 |
| Coutant PSU CA600 5B, 28/284 | 700000271 |
| Power Supply                 | 700005922 |
| RF Generator Assy 4000       | 700000275 |
| Relay - Power Supply         | 700000965 |

### O-Rings

|                               |           |
|-------------------------------|-----------|
| Extraction Cone O-Ring        | 700000353 |
| Ion Block, O-Ring AS016 10/pk | 700000355 |
| O-Ring PTFT (AS017) 1/pk      | 700000451 |

## LCZ/ZMD - Limited Parts and Service

### O-Rings - continued

|                                |           |
|--------------------------------|-----------|
| O-Ring Viton (AS010)           | 700000452 |
| O-Ring Viton (AS254)           | 700000453 |
| O-Ring Viton (2.2 x 1.6)       | 700000454 |
| O-Ring Viton (AS019)           | 700000455 |
| O-Ring Viton (AS129)           | 700000456 |
| O-Ring, APC/ESI Coupling       | 700000968 |
| O-Ring, 2.6 IDX1.9 C/S Viton   | 700000943 |
| O-Ring, Viton, AS039           | 5711130   |
| O-Ring 42IDX1.5 C/S Viton 5/pk | 700001056 |
| O-Ring 6.1IDX1.6 Kalrez 1/pk   | 700000902 |

### Tubing, Fittings & Capillaries

|                                               |            |
|-----------------------------------------------|------------|
| PTFE Liner Tube (PTFE)                        | 700000296  |
| 4mm PTFE Tubing 5 meters -                    | 6060733-S5 |
| 6mm PTFE Tubing, 5 meters                     | 6060754-S5 |
| 10mm PTFE Tube 5M                             | 6060752-S5 |
| PEEK Union 2/pk                               | 415000106  |
| Tubing, PEEK 1/16 x .007 X 1m                 | 6436004-S1 |
| Silica, Fused, 300mm x 100mm x 200mm, 1 meter | 430000109  |
| 4mm-to-6mm Union                              | 700000465  |
| Nitrogen Union Fittings                       | 700000466  |
| Port PEEK Rheodyne Inj.                       | 700000472  |
| Restrictor, Fix Flow, .3 Orifice              | 700000476  |
| Restrictor, Fix Flow, 1.0 Orifice             | 700000477  |
| Tee, PEEK w/3 Comp Screws                     | 700000606  |
| Union, PEEK, .010                             | 700000607  |
| Nozzle, Hose 3/8"                             | 700000633  |
| Tube, Liner I2203 (normal flow) 10pk          | 700000640  |
| ESI Probe Assy Spares Kit                     | 700000336  |

## LCZ/ZMD - Limited Parts and Service

### Kits

|                               |           |
|-------------------------------|-----------|
| ESI Probe Assy Spares Kit     | 700000336 |
| APCI Probe Assy Spares Kit    | 700000338 |
| Source Assy Spares Kit        | 700000339 |
| Z-Spray Source Consumables    | 700000461 |
| Ion Block Support Consumables | 700000462 |
| ESI Probe Consumables         | 700000463 |
| APCI Probe Consumables        | 700000464 |
| Ion Block Spares Kit          | 700000467 |
| Edwards Oil Return Kit        | 700000573 |
| Kit, Contact Refurb           | 700000639 |
| ESI Probe Kit Conversion      | 700000873 |
| API Test Solutions Kit        | 700000889 |
| MS Chemical Kit               | 700002157 |

### Vacuum Components

|                          |           |
|--------------------------|-----------|
| EXT255hi Turbo Pump      | 700001058 |
| EXDC160 Turbo Controller | 700000299 |
| EXDC80 Turbo Controller  | 700000300 |
| Edwards Q45 Oil 1 Gallon | 700000870 |
| Jubilee Hose Clamp       | 700000468 |
| ESI Probe                | 700000289 |

### Probe Components

|                                  |            |
|----------------------------------|------------|
| APCI Probe                       | 700000290  |
| ESI Probe Tip Assy               | 700000337  |
| Ferrule Liner, ESI Probe         | 430000110  |
| PTFE Tube ESI Probe              | 6060743-S1 |
| 34 SWG SS Capillary Tube         | 700000341  |
| O-ring, Viton, AS132, 5/PKG, PLC | 700000106  |
| Feed through, 10KV, PLC          | 279000102  |



## LCZ/ZMD - Limited Parts and Service

### Probe Components - continued

|                             |           |
|-----------------------------|-----------|
| Filter Pad                  | 600000103 |
| Coupling, APCI/ESI          | 700000966 |
| O-Ring APCI/ESI Coupling    | 700000968 |
| Sleeve, Conductive, ESI     | 700000969 |
| Assy, Source Cable, NEW ZMD | 700001028 |
| APCI Heater Shroud Sub Assy | 700000441 |

### Source/Analyzer Components

|                                   |           |
|-----------------------------------|-----------|
| Z-Spray Source                    | 700000287 |
| Hexapole Assy                     | 700000288 |
| Extraction Cone                   | 700000292 |
| Glass Collar                      | 700000309 |
| Z-Spray Sample Cone               | 700000310 |
| Extractor Cone Insulator          | 700000346 |
| Thermal Fuse Assy                 | 700000347 |
| Probe Adjuster Assy               | 700000436 |
| Ion Block Assy                    | 700000437 |
| Ion Block Support Assy            | 700000438 |
| Ion Block Heater Assy             | 700000439 |
| Ion Block Support                 | 700000440 |
| Baffle Plate (Target)             | 700000457 |
| Blanking Plug                     | 700000458 |
| Corona Pin Plug                   | 700000459 |
| Z-Spray Source Consumables Kit    | 700000461 |
| Detector Assy                     | 700000475 |
| Ion Block Plug                    | 700000906 |
| Ion Block Seal                    | 700000907 |
| Thumb Nut Extension               | 700000913 |
| ION Block, Valve Stem             | 700001037 |
| Washer, Large Valve System        | 700001038 |
| Washer, Small Valve System        | 700001039 |
| Ion Block Support Consumables Kit | 700000462 |

## LCZ/ZMD - Limited Parts and Service

### Source/Analyzer Components - continued

|                      |           |
|----------------------|-----------|
| Ion Block Spares Kit | 700000467 |
| Photomultiplier      | 279000127 |
| Phosphor Lens        | T308102A  |

### Valves, Etc.

|                             |           |
|-----------------------------|-----------|
| Honeywell Flowmeter         | 700000301 |
| Pilot Valve                 | 700000302 |
| Valve, Solenoid, KV N2      | 700000632 |
| Rheodyne Automatic Injector | 6060796   |
| Valve, AVS Shutoff, WATer   | 700000479 |

### Cables/Fans

|                                       |           |
|---------------------------------------|-----------|
| Cooling Fan (RF Generator)            | 700000277 |
| Cooling Fan (Small - RF) Generator    | 700000278 |
| TDAT Cable                            | 441000118 |
| FAN, Cooling Main Chassis, PLC        | 279000119 |
| Feed through 10Kv Fischer DEE 102Z025 | 279000102 |

### Miscellaneous

|                                       |           |
|---------------------------------------|-----------|
| Harvard Syringe Pump                  | WAT241506 |
| 500ul Syringe                         | WAT033385 |
| Replacement Needles for 250ul & 500ul | WAT033387 |
| 10mm O. D. Bottle Trap                | 700000574 |
| M2 Box Spanner                        | 700000575 |
| Sample Cone Extraction Tool           | 700001043 |
| Metore Allen Wrench Set               | 700000882 |
| Glass Eye Loupe                       | 700000883 |
| API Test Solutions Kit                | 700000889 |
| Pilot Valve Stud 10-44 BSPT           | 700000956 |
| Pilot Valve Stud 4-1/6 BSPT           | 700000957 |

## LCZ/ZMD - Limited Parts and Service

### Spare Parts

|                                         |            |
|-----------------------------------------|------------|
| Oil Mist Filter Element                 | 6060142    |
| NW25 Tee                                | WAT240462  |
| NW25 Swing Clamp                        | WAT240696  |
| NW25 Flange, Lg. Butt                   | S100440AD1 |
| EMF20 Oil Mist Filter Housing w/Element | WAT241107  |
| NW25 Center Ring, Fluro                 | 6071207    |
| Vac Hose, PVC, 1" x 25'                 | WAT241165  |
| Pirani Gauge NW16                       | 700000867  |
| HV Corona CableAPCI                     | 700000572  |
| RF/DC PCB                               | 700000331  |

### Power Supplies

|                                  |           |
|----------------------------------|-----------|
| Assy, CA600, Coutant Supply, New | 700000929 |
| PSU CA 600 28G, 24G, (7992218)   | 700000270 |
| Assy, RF Gen 2000, New ZMD       | 700000930 |

### Printed Circuit Boards

|                              |           |
|------------------------------|-----------|
| Assy, Backplane PCB, New ZMD | 700000934 |
| TPC PCB (N920200A)           | 700000279 |
| Analog Board 3782201DC1      | 700000283 |
| Digital PCB 3782202DC1       | 700000284 |
| GPIO PCI Board & S/W         | 186000825 |
| Card, 32 Pin Extenders, PLCZ | 700000350 |
| Card, 96 Pin Extenders, PCLZ | 700000351 |

### Probe Components

|                                |            |
|--------------------------------|------------|
| Ferrulle 1/16x.3 Bore, GVF     | 415000110  |
| Silica, Fused, APCI Probe, PLA | 430000109  |
| Liner, Ferrulle ESI Probe      | 430000110  |
| PTFE Tube ESI Probe            | 6060743-S1 |
| Pad, Filter, PLC/PLC2          | 600000103  |

## LCZ/ZMD - Limited Parts and Service

### Probe Components - continued

|                                |           |
|--------------------------------|-----------|
| In-line Filter Anachem A314    | 600000106 |
| Coupling, APCI-ESI, Probe      | 700000966 |
| O-Ring, APCI,-ESI, Coupling    | 700000968 |
| Sleeve, ESI Conductive         | 700000969 |
| LCZ/ZMD Tube Liner (Normal FL) | 700000640 |
| LCZ/ZMD ESI Probe Kit, Convers | 700000873 |
| LCZ/ZMD HV Corona CableAPCI    | 700000572 |
| ESI Probe M955015DC1           | 700000289 |
| APCI Probe M955164DC1          | 700000290 |
| Assy, Heater Shroud, APCI LCZ/ | 700000441 |
| Ferrulle ESI-GVF16-16, PLCZ    | 700000343 |
| Ferrulle APCI-GV004, PLCZ      | 700000344 |
| Tip, Probe Assy, PLCZ          | 700000337 |
| Pin, Corona APCI, PLCZ         | 700000354 |

### Source/Analyzer Components

|                                            |           |
|--------------------------------------------|-----------|
| Assy, Ion Block, New ZMD                   | 700000908 |
| Block, Pumping, New ZMD                    | 700000910 |
| Cone, Extraction, New ZMD                  | 700000918 |
| Support, In Block, New ZMD (w/out O-Rings) | 700000911 |
| Block, Source Assy Switch, New ZMD         | 700000915 |
| Peg, Plunger Switch, New ZMD               | 700000916 |
| Assy, Z-Spray Source, New ZMD              | 700000920 |
| Kit, Source Spares, New ZMD                | 700000921 |
| Kit, Source Consumables, eZMD              | 700000922 |
| Assy, Cone Gase, New ZMD                   | 700000932 |
| Block, Ion Block Terminal, New ZMD         | 700000897 |
| Heater, Ion Block Cartridge New ZMD        | 700000898 |
| Clamp, T-Couple, Ion Block, New ZMD        | 700000946 |

## LCZ/ZMD - Limited Parts and Service

### Tubing, Fittings, Capillaries

|                                      |            |
|--------------------------------------|------------|
| LCZ/ZMD TEE, PEEK, W/3 Comp Scr      | 700000606  |
| LCZ/ZMD Union, ZVD PEEK, 010H        | 700000607  |
| Port, PEEK, Rheodyne Inj. LCZ/ZMD    | 700000472  |
| 4mm PTFE Tubing 5 meters             | 6060733-S5 |
| Nut/Ferrulle Upchurch, Platform      | 405000155  |
| Nut, Camozzi, No. 1703-6/4, Platform | 405000153  |
| Ferrulle 1/6 x .05 Bore, Platform    | 405000154  |
| Union, PEEK, 2 pkg, PLC/PLC2         | 415000106  |
| 6mm Tube One 5M Roll                 | 6060754-S5 |
| Tubing, PEEK 1/16 x .007 X 1m        | 6436004-S1 |
| Fused Silica, .375 x.75 x 1mm        | 6490512-S1 |
| Tube ESI-SS Capillary, PLCZ          | 700000341  |
| Ferrule 1/16X.3 Bore, GVF            | 415000110  |
| Union Adapter 10/32, UNF             | 700000481  |
| Union, Double Y 4-6,                 | 700000960  |
| Elbow 4-M5                           | 700000961  |
| Tee, 4mm, Equal                      | 700000962  |
| Hose, Int. WATer 1/4X1.4M            | 700000963  |
| Hose, Ext. WATer 3/8X7.5M            | 700000964  |

### Cables

|                             |           |
|-----------------------------|-----------|
| Cable, TDAT, Platform LC    | 441000118 |
| Assy, Source Cable, New ZMD | 700001028 |

### Vacuum Components

|                                |           |
|--------------------------------|-----------|
| EXT250i Turbo Pump             | 700001058 |
| LCZ/ZMD Edwards Oil, 1 Gallon  | 700000870 |
| EXDC160 Turbo Cont. 6061952    | 700000299 |
| EXDC80 Turbo Cont. 6061951     | 700000300 |
| LCZ/ZMD Oil Return Kit Edwards | 700000573 |
| Filter oil mist EMF 20 element | 6060142   |
| Gauge, Pirani ZMD              | 700000867 |
| LCZ/ZMD Nozzle, Hose 3/8"      | 700000633 |

## LCZ/ZMD - Limited Parts and Service

### Screws, Nuts & Washers

|                                       |            |
|---------------------------------------|------------|
| Washer, M2, Plain, 20pkg Platform     | 700000107  |
| E-Clip, 4mm, RS289-477 10pkg Platform | 700000109  |
| Screw, M3x6, CH HD, 10/pkg, Platform  | 700000116  |
| Screw, Grub M3x6, Sily Tip, eZMD      | 700000905  |
| Attach Screw ESI Probe                | M955734BC1 |
| LCZ/ZMD Attach Screw APCI Probe       | 700000577  |
| LCZ/ZMD APCI Knob Grub      Screw M   | 700000579  |
| M2x2 APCI Grub Screw SLTD             | 700000967  |
| Nut, Thumb Extension, New ZMD         | 700000913  |
| Screw, M2x5mm, CH HD, 10 PK           | 700000868  |

### O-Rings

|                                               |           |
|-----------------------------------------------|-----------|
| O-Ring, Sample Cone, eZMD                     | 700000900 |
| O-Ring, Extraction Lens, eZMD                 | 700000901 |
| O-Ring, Ion Block, eZMD                       | 700000904 |
| O-Ring, Viton, (AS010)                        | 700000452 |
| O-Ring, Viton, (AS254)                        | 700000453 |
| O-Ring, Viton O-Ring, Viton,      (2.2 x 1.6) | 700000454 |
| O-Ring, Viton, (AS019)                        | 700000455 |
| O-Ring, 6.1 Idx1.6 Kalrez, eZMD               | 700000902 |
| O-Ring, AS007 Kalrez, eZMD                    | 700000903 |
| Kit, O-Ring, Extrac, PLCZ                     | 700000353 |
| O-Ring, 2.6 IDx1.9 C/S Viton                  | 700000943 |

### Nitrogen Fittings, Components

|                                |            |
|--------------------------------|------------|
| Flowmeter, Honeywell, Cone Gas | 700000924  |
| Honeywell Flowmeter 6072006    | 700000301  |
| 10mm PTE Tube 5M               | 6060752-S5 |
| Stud 10-1/4 BSPT, Pilot Valve  | 700000956  |
| Stud 4-1/8 BSPT, Pilot Valve   | 700000957  |
| Stud 6-1/4 BSPT, Pilot Valve   | 700000958  |

## LCZ/ZMD - Limited Parts and Service

### Nitrogen Fittings, Components - continued

|                               |           |
|-------------------------------|-----------|
| Union, Double Y, 4-6, eZMD    | 700000960 |
| Elbow, 4-M5, New ZMd          | 700000961 |
| Tee, 4MM Equal, New ZMd       | 700000962 |
| LCZ/ZMD 10MM O.D. Bottle Trap | 700000574 |

## Platform LC - Limited Parts and Service

### Screws/Nuts/Washers

|                                           |           |
|-------------------------------------------|-----------|
| M2x3 Screw CH HD Skimmer/Skimmer lens     | 410000110 |
| M2 Washer Plain 20pk Skimmer/Skimmer lens | 700000107 |
| Nylon Bolt Skimmer lens                   | 410000115 |
| Washer Nylon, PLC                         | 700000108 |
| E-clip 4mm RS289-477 5pk                  | 700000109 |
| Thumb Nut WDS 8151-217                    | 410000118 |
| Screw M2x16 CH Pepper Pot 2 pk            | 700000114 |
| Screw M3X10 CH HD ST STL 20 pk            | 700000115 |
| Screw, M3x6 CH HD, 10/pkg, PLC            | 700000116 |
| Nut Camozzi 1703-6/4                      | 405000153 |
| Screw M4x16 CAP HD ST STL                 | 410000119 |
| Screw, M3X12, CH HD, PLD, Qty 10          | 405000156 |
| Screw M2x2 Grub 10/pkg                    | 5316014FL |
| M2x14 Screw Ch Hd                         | 410000108 |

### O-Rings

|                             |           |
|-----------------------------|-----------|
| Viton AS224                 | 425000110 |
| Viton AS256                 | 425000111 |
| Viton AS039 Sample Cone     | 5711130   |
| Viton 105 x 2.0 C/S         | 425000113 |
| Viton AS032 Heater/PEEK 5pk | 700000110 |
| Viton AS030 5/pk            | 700000111 |
| Viton S232 Adj Flange 5pk   | 700000112 |
| Viton AS046 5/pk            | 700000113 |

## Platform LC - Limited Parts and Service

### O-Rings - continued

|                                        |           |
|----------------------------------------|-----------|
| Teflon AS243 PTFE Encapsulated         | 425000114 |
| Viton AS006 5pk                        | 700000121 |
| O-Ring, VIT, 18x2.0 CS, DET end flange | 425000107 |
| Viton AS132 5pk                        | 700000106 |
| Viton AS127                            | 425000106 |

### Tubing / Ferrules / Etc.

|                                 |            |
|---------------------------------|------------|
| Sample Cone                     | 405000149  |
| Ferrule Liner                   | 430000110  |
| PTFE Tube                       | 6060743-S1 |
| Tubing PEEK 1/16 x .007 I/D     | 6436004-S1 |
| Ferrule 1/16 x .3 bore GVF      | 415000110  |
| Fused Silica .375 x .75         | 430000109  |
| GVF 005 Ferrule 1/16 x .05 Bore | 405000154  |
| Fused Silica 300umx100um X400mm | 430000109  |
| Nut & Ferrule UpchurchF300      | 405000155  |
| PEEK Union                      | 415000106  |

### Probe Parts

|                     |           |
|---------------------|-----------|
| Probe Needle 250 mm | 430000106 |
| APCI Probe Heater   | 279000112 |
| Corona Pin-Assembly | 279000113 |

### Miscellaneous

|                    |           |
|--------------------|-----------|
| Valve, Needle, PLC | 6060893   |
| Filter Pad         | 600000103 |

### Tools

|                              |           |
|------------------------------|-----------|
| .2mm drill bit               | 410000123 |
| 1200 Grade Emery Paper 12x10 | 600000104 |
| 600 Grade Micromesh          | 600000105 |
| Interdental Brush            | 600000101 |



## Platform LC - Limited Parts and Service

### Valves & Fans

|                                      |           |
|--------------------------------------|-----------|
| Fan Cooling Main Chassis /Back Panel | 279000119 |
| Cooling Fan Source Turbo             | 279000129 |
| Rheo Injector Automatic              | 6060796   |

### Cables

|            |           |
|------------|-----------|
| TDAT Cable | 441000118 |
|------------|-----------|

### Analyzer/Detector

|                             |           |
|-----------------------------|-----------|
| Ceramic Dowel               | 415000108 |
| Contact Spring              | 410000120 |
| Photomultiplier             | 279000127 |
| Phosphor Lens               | T308102A  |
| Edwards EXT250Hi Turbo Pump | 700001058 |

### Edwards Parts

|                                       |           |
|---------------------------------------|-----------|
| Feedthrough 10KV Fischer DEEE 102Z025 | 279000102 |
|---------------------------------------|-----------|

## 743 Data Module - Limited Parts and Service

### Other Replacement Parts

|                          |           |
|--------------------------|-----------|
| Z-Fold Paper             | WAT054083 |
| Ink Jet Cartridge, 10/Pk | WAT054072 |
| Carriage w/mylar Cable   | WAT054084 |

## MILLENNIUM - Limited Parts and Service

### Millennium<sup>32</sup> v4.0 Workstation Options (RA Only)

|        |           |
|--------|-----------|
| ELSA32 | 176001928 |
|--------|-----------|

## PM KITS

### Instrument

|                          |           |
|--------------------------|-----------|
| PM Sticker               | WAT053502 |
| 2690D PM Kit             | 700000201 |
| Platform 2K-4K           | 176002051 |
| 2790                     | 201000107 |
| 2796                     | 201000169 |
| 2487                     | WAS081142 |
| 996                      | WAT052586 |
| 474                      | WAT052665 |
| 2475                     | 201000131 |
| 486                      | WAT052666 |
| 2420/2424                | 201000159 |
| 717                      | WAT052669 |
| 515                      | WAT052587 |
| 510                      | WAT052670 |
| LC2000                   | WAT052671 |
| 616                      | WAT052672 |
| 626                      | WAT052673 |
| LCM1                     | WAT052674 |
| 600                      | WAT052675 |
| 2690/2695                | WAT270944 |
| 2700                     | WAT272045 |
| Reagent Mgr.             | 201000102 |
| Platform 2k-4k           | 176002052 |
| GPC2000                  | 201000111 |
| 1515                     | 201000113 |
| 1525                     | 201000114 |
| 1525 micro               | 201000161 |
| 1525EF                   | 201000160 |
| ACQUITY BSM with out I2V | 201000173 |
| ACQUITY BSM with I2V     | 201000197 |
| ACQUITY SM               | 201000174 |

## PM KITS - LC/MS

### Instrument - continued

|                          |           |
|--------------------------|-----------|
| ACQUITY TUV              | WAS081142 |
| ACQUITY ETUV             | 201000186 |
| ACQUITY 2996             | WAT052586 |
| ACQUITY PDA              | 201000186 |
| ACQUITY ELSD             | 201000159 |
| ACQUITY FLR              | 201000193 |
| ZQ2000/ZQ4000/EMD1000/QM | 176002050 |
| SQD/TQD/3100 Rotary      | 176002064 |
| SQD/TQD/3100 Oil Free    | 176002135 |
| Alliance Solvent Mgr     | 700004073 |
| 2777 PM Kit              | 201000162 |

## PUMPS - Reagent Manager

### Electronic Components

|                              |           |
|------------------------------|-----------|
| Front Panel PCB              | 700000138 |
| Front Panel Keypad Overlay   | 700002882 |
| Optical Switch Assy          | 700000176 |
| Front Panel CableAssy        | 700000177 |
| Power CableAssy              | 700000178 |
| Motor CableAssy              | 700000181 |
| PCR replacement Board Set    | 700002627 |
| Power Supply replacement Kit | 700002628 |
| 1A Main Fuse (5x20mm)        | 700002630 |
| Bezel Assy w/Keypad Overlay  | 700003727 |
| 3V Lithium Battery           | WAT080443 |
| I/O Terminal (10 Pin)        | WAT057112 |

### Fluidics

|                |           |
|----------------|-----------|
| Fan            | 700000188 |
| Pump Head Assy | 700001930 |

## PUMPS - Reagent Manager

### Fluidics - continued

|                                          |           |
|------------------------------------------|-----------|
| inlet Filter Assy                        | 700000157 |
| FrontPanelStickOn Overlay                | 700002882 |
| Filter Element for 700000157 (pk/2)      | 700000158 |
| BioClean Check ValveKit                  | 700000141 |
| BioClean Prime/Purge Valve w/lure STE PO | 700000148 |
| Seal Kit plastic purge valve (700000148) | 700000149 |
| 1/8 Check Valve Capsules                 | 700000175 |
| Piston Assy                              | 700000161 |
| Piston Seal Kit                          | 700000152 |
| In-line Filter 2u                        | 700000183 |
| Filter Element for 700000183             | 700000184 |
| Pump Head Nut                            | 700000186 |
| Pump Mechanism                           | 700000140 |
| Tee                                      | WAT070122 |
| Hose barb fitting - 10pk                 | 700005979 |
| Self Flush Diaphragm                     | 700000180 |

### Accessories

|                                  |           |
|----------------------------------|-----------|
| EZ Grip Ferrule Pk/10            | 700000145 |
| EZ Grip Nut, SS, Pk/10           | 700000146 |
| 5um Panel Mount Filter Assy 2/pg | 700000150 |
| Pulse Damper rebuild Kit         | 700000163 |
| Pulse Damper w/Xducer            | 700000147 |
| Self Flush Assy                  | 700000179 |
| Restrictor Coil                  | 700000182 |
| Metal Front Cover                | WAT025392 |

### Miscellaneous

|                                 |             |
|---------------------------------|-------------|
| Operator's Manual               | 71500010502 |
| IQ/OQ/MP Doc Set                | 71550010501 |
| PM Kit                          | 201000102   |
| Outlet Frit Assembly - pkg of 1 | 700000151   |
| Reagent Manager Startup Kit     | 200000106   |

## **PUMPS - Extended Flow Fluidics**

### **Pump Heads**

|                          |           |
|--------------------------|-----------|
| Pump Head                | WAT060303 |
| Extended Flow Update Kit | WAT094003 |
| Head Support Bushing     | WAT060305 |

### **Check Valves**

|                                |           |
|--------------------------------|-----------|
| inlet Check Valve              | WAT060307 |
| B & S Check Valve Kit          | WAT088223 |
| inlet Check Valve Housing      | WAT060308 |
| Outlet Check Valve             | WAT025216 |
| Outlet Check Valve Rebuild Kit | WAT026014 |
| Outlet Check Valve Housing     | WAT025207 |

### **Plunger Seals**

|                          |           |
|--------------------------|-----------|
| Plunger Seal Black 1/pkg | WAT026644 |
| Plunger Seal UP30 1/pkg  | 700002282 |
| Plunger                  | WAT060304 |

### **Plungers**

|                          |           |
|--------------------------|-----------|
| Ind. Rod Kit             | WAT069583 |
| Retaining Ring           | WAT025360 |
| Plunger Wash Kit (225ul) | WAT030852 |

### **Mechanical Components**

|                         |           |
|-------------------------|-----------|
| Motor                   | WAT021013 |
| Motor Seal O-Ring       | WAT025581 |
| Motor Mount Ring Gasket | WAT026573 |
| Oil Seal, 4/Pk          | WAT005081 |
| Lubricating Oil,150cc   | WAT025661 |
| Crank Arm Spring, 10/Pk | WAT025606 |

## PUMPS - Extended Flow Fluidics

### Electronic Components

|                      |           |
|----------------------|-----------|
| ON/OFF Switch        | WAT023220 |
| (Fuse, 2A, 250V 1qty | WAT022616 |
| Driver PCB           | WAT024625 |

## PUMPS - 515 Pump

### Electronics

|                                      |           |
|--------------------------------------|-----------|
| Assy, Front Bezel                    | WAS207035 |
| Assy, Motor & Shaft, Ext.            | WAS207066 |
| Assy, PCB, CPU (w/hardware)          | WAS207089 |
| Assy, Switch, On/Off                 | WAS207106 |
| Assy, Switch, On/Off                 | WAS207093 |
| CableAssy, Power Entry - Switch & PS | WAS207091 |
| CableAssy, CPU - Display             | WAS290234 |
| CableAssy, Gnd from Power            | WAS207092 |
| CableAssy, Gnd from CPU              | WAS207095 |
| CableAssy, LCD Backlight             | WAT207097 |
| CableAssy, Pressure Xducer           | WAS207098 |
| connector, Remote                    | WAT025376 |
| Fan, 24 VDC                          | WAS207065 |
| Line Cord, 110v                      | WAT097194 |
| Line Cord, 230v                      | WAT097410 |
| Power Supply                         | WAS207100 |

### Fluidics

|                             |           |
|-----------------------------|-----------|
| Seals Aqueous, Buffer, 2pk  | WAT025296 |
| Seals, Aqueous, Buffer, 4pk | WAT025297 |
| Assy, Filter, HP            | 700002742 |
| Assy, Drawoff Valve         | WAS207085 |

## PUMPS - 515 Pump

### Fluidics - continued

|                                      |           |
|--------------------------------------|-----------|
| Assy, Plunger                        | WAS207069 |
| Pump Head Screws                     | WAT040595 |
| Head Support Screw, pk2              | 700001899 |
| Assy, Pump Head (w/Check Valves)     | WAS207006 |
| Assy, Pump Mechanics (515)           | WAS207033 |
| Assy, Solvent Filter                 | WAT025531 |
| Comp. Fitting -Screws, Ferrules 5pk  | WAT025604 |
| Kit, Plunger Seals (clear 4/pk)      | WAT022946 |
| Kit, Plunger Seals (clear 2/pk)      | WAT022934 |
| Pressure Transducer                  | WAT270966 |
| Otlr Chck Vlv Rbld Kt B & S          | WAT026014 |
| Solvent inlet Manifold               | WAS207074 |
| Outlet Chck Vlv Assy, B&S, w/housing | WAT025216 |
| Assy, Tubing, inlet, LH              | 430001253 |
| Assy, Tubing, inlet, RH              | 430001256 |
| Assy, Tubing, Outlet, LH             | 430001254 |
| Assy, Tubing, Outlet, RH             | 430001255 |
| Plunger retaining ring               | WAT025360 |

### Miscellaneous

|                          |           |
|--------------------------|-----------|
| Container, Shipping      | WAT207122 |
| Cover, Top Panel         | WAS207041 |
| Extended Flow Update Kit | WAT207119 |
| Head Support             | 700002895 |
| Indicator Rod Kit        | WAT069583 |
| Kit, Fuse                | WAT207116 |
| Kit, Start Up            | WAS207007 |
| Maintenance Kit          | WAT052587 |
| Motor Mount Gasket       | WAT026573 |
| SCR 8-32 Shoulder        | WAT026574 |

## **PUMPS - 515 Pump**

### **Miscellaneous - continued**

|                                                |           |
|------------------------------------------------|-----------|
| Oil Seal 4pk                                   | WAT005081 |
| Reference Valve Kit                            | WAT207144 |
| Performance Plus Check Valve Cartridge         | 700000254 |
| Performance Plus Ceramic Check Valve Cartridge | 700002399 |
| Performance Plus Cartridge w/ Housing (2)      | 700000253 |
| Performance Plus Housing                       | 700001108 |
| Brass Plunger Seat                             | WAT023060 |
| Inlet/Outlet Bracket Assy                      | WAT207071 |
| I/O Bracket Assy Screws                        | WAT046613 |

## **PUMPS - 600 Pump**

### **Pump Fluidics (100 ul System) - Pump Heads**

|                        |           |
|------------------------|-----------|
| Pump Head w/Check Vlvs | WAT026550 |
| Head Support           | 700002895 |
| Head Screw             | WAT040595 |
| Head Support Screw     | 700001899 |
| High Pressure Filter   | WAT025552 |

### **Check Valves**

|                           |           |
|---------------------------|-----------|
| Inlet Check Valve         | WAT033679 |
| Inlet Check Vlv Rbld Kit  | WAT060495 |
| Inlet Check Vlv Housing   | WAT025203 |
| Outlet Check Valve        | WAT025216 |
| Outlet Check Vlv Rbld Kit | WAT026014 |
| Outlet Check Vlv Housing  | WAT025207 |

### **Plungers**

|                        |           |
|------------------------|-----------|
| Plunger, Sapphire, 1/8 | WAT025656 |
| Plunger, Oriented      | WAT069511 |
| Indicator Rod Kit      | WAT069583 |
| Plunger Wash Kit       | WAT031870 |
| Plunger spring         | WAT025236 |



## **PUMPS - 600 Pump**

### **Gradient Proportioning Valves**

|                                           |           |
|-------------------------------------------|-----------|
| 33 Ohm, for IEEE Systems (red Wires)      | WAT034423 |
| 51 Ohm, for Non-IEEE System (Green Wires) | WAT034426 |
| Delta Prep Kit                            | WAT073614 |

### **Plunger Seal**

|                                    |           |
|------------------------------------|-----------|
| Plunger Seal, Black                | WAT026613 |
| Plunger Seal, Tan (Rulon)          | WAT025384 |
| Plunger Seal, Clear                | WAT022934 |
| Plunger Seal, Clear, 4pk           | WAT022946 |
| Buffer Plunger Seal Kit w/Springs  | WAT069581 |
| AQ Seal Repl. 2pk                  | WAT025296 |
| AQ Seal Kit (100ul) 4pk            | WAT025297 |
| Spurge Valves Complete Spurge Assy | WAT062010 |
| Air Valve Muffler                  | WAT062276 |
| Regulator, 0-50 PSI                | WAT062230 |
| Spurge Solenoid                    | 700001319 |

### **Other Replacement Parts**

|                                |           |
|--------------------------------|-----------|
| Interconnect Board             | WAT062032 |
| Solvent/Spurge Tubing Assy     | WAT062047 |
| Fan, FHU, 24VDC                | WAT062148 |
| Brass Fitting for Helium Reg.  | WAT050337 |
| Accumulator Tube               | WAT062219 |
| Accumulator Tube Clamp         | WAT024448 |
| Drawer Cable, Flat             | WAT062022 |
| Cable, U6K to 600              | WAT062024 |
| Retainer Ring                  | WAT025360 |
| Rack For 1 Liter Bottles       | WAT062060 |
| HP Noise Filter (Rectangle)    | WAT025552 |
| Noise Filter Tested (Cylinder) | WAT026596 |
| Bottle Caps, 1L (4/Pkg.)       | WAT062479 |

## PUMPS - 600 Pump

### Other Replacement Parts - continued

|                                |           |
|--------------------------------|-----------|
| Bottle Caps, 4L (4/Pkg.)       | WAT062341 |
| Rheodyne 7725I w/600 Mount Kit | WAT024838 |
| Generic Pump Mech              | WAT005036 |
| FHU Quiet Fan Upgrade Kit      | WAT051012 |
| 610 Steel Column Heater        | WAT031970 |
| SS Column heater               | WAT062079 |
| Transducer (590)               | WAT060328 |
| Gradient Mixer (600)           | WAT051518 |
| Plunger Wash Kit 100ul         | WAT031870 |
| Helium connector Kit           | WAT023486 |
| Tube Assembly Hamilton-LH      | WAT036493 |
| Tube Assembly Hamilton-RH      | WAT036494 |
| 2.5 A Fuse (Interconnect FI)   | WAT072919 |
| Valve Mounting Plate           | 700002110 |
| BulkHead connector, Drawer     | WAT062189 |

## PUMPS - 600/616/626 - CRT Controller

### Software

|                               |           |
|-------------------------------|-----------|
| Powerline Rev P2.1            | WAT022562 |
| 600 Power Supply              | WAT025637 |
| ASSY, I/O Panel, CPU w/o Silk | WAT227-02 |

**Note: To make the 625 & Action Analyzer CPU PCB, you need to order both the MS600 Silk Bd the Rev. 2.1 Prom Set.**

### Electrical

|                                                       |           |
|-------------------------------------------------------|-----------|
| Powner Entry Module (short board low profile control) | WAT069543 |
| 600 LP Controller (cost reduction 1996) 12 Volt fan   | WAT069538 |
| Terminal connector Assembly (pair)                    | WAT069563 |
| ON/OFF Switch                                         | WAT023220 |
| 600E PCB Zener Repl. Kit                              | WAT062819 |
| Connector at Rear of FHU Drawer                       | WAT062189 |

## PUMPS - 600/616/626 - CRT Controller

### Cables

|                            |           |
|----------------------------|-----------|
| Interconnect Cable(Ralph)  | WAT088972 |
| Stand-off, Cablemount      | WAT089113 |
| Nut, Stand-off             | WAT024660 |
| Washer                     | WAT024646 |
| Cable, RS-232, 600E to 900 | 441000294 |

### Other Replacement Parts

|                                  |           |
|----------------------------------|-----------|
| 600MS Xducer Assy                | WAT062529 |
| Cable, RS-232 600E to 815/825    | WAT062761 |
| Cable, RS-232, 600E to 745B/746  | WAT062699 |
| Chart Mark Cablew/relay          | WAT062031 |
| 717 Inter CBL F/P to CPU         | WAT078786 |
| 90 Degree 600E Intc Cable(Ralph) | WAT088972 |
| Low Pro 600S Silk CableAssy      | WAT062672 |

### Fuses

|                                     |           |
|-------------------------------------|-----------|
| Fuse, 1A (5/Pkg.)                   | WAT005064 |
| 3A, 250V (Fuse 3)                   | WAT022626 |
| 4A, 250V (Fuse 2)                   | WAT071406 |
| 2.5A, 250V (Fuse 1)                 | WAT072919 |
| 6.0A 5x20                           | WAT162-23 |
| 4.0A 5X20mm Line Fuse 5pk           | WAT055631 |
| 2A SLO-BLO 5X20MM Fuse 5/PK         | WAT055628 |
| 1.5A 250V 5X20mm Fuse 5pk           | WAT055632 |
| 4A 125V 5X20mm Fuse 5pk             | WAT055631 |
| 0.8A SLO-BLO 5X20mm Fuse 5pk        | WAT055629 |
| 1.25A 250V 5X20mm Fuse 5pk          | WAT055633 |
| Fast ^a 125V, 5X20MM                | WAT162-23 |
| 0.25A, 250V, SLO-BLO, for wash pump | WAT042200 |
| Power Entry Module                  | WAT069543 |

## PUMPS - 600E/600S LCD Controller

### Boards

|                                                     |           |
|-----------------------------------------------------|-----------|
| Displ. Trans. Bd. Assy, Low Pro 600/717             | WAT025896 |
| 600S (short PCB) CPU Assy, Rev. 4.2 w/Silk          | WAT227-01 |
| 600E (short PCB) CPU Assy, w/S/W (Rev 4.2) w/o Silk | WAT227-02 |
| Keypad Assy                                         | WAT069003 |
| Bezel Assy (600E)                                   | WAT033298 |
| Bezel Assy (600s)                                   | WAT033299 |
| Power Supply                                        | 700001662 |
| *Power Supply Daughter PCB                          | WAT025637 |

**\*Order when updating Long Board low profile controller CPU to Short Board CPU**

### Software

|                                        |           |
|----------------------------------------|-----------|
| 600E Prom Kit rev. 3.5                 | WAT069559 |
| Prom Kit Rev 4.2                       | WAT069560 |
| Low Pro 600S Silk, Rev.2.2 for 616/626 | WAT025078 |

## PUMPS - 616 Fluidics

### Pump Heads

|                                         |           |
|-----------------------------------------|-----------|
| Pump Head                               | WAT055501 |
| Pump Head Support                       | WAT023061 |
| Check Valve Cartridge                   | WAT024960 |
| Inlet or Outlet Housing                 | WAT055845 |
| Plunger w/rod, 50ul Hd 616/625/626      | WAT031788 |
| Plunger 2 Wash Seal Kit (2) 616/625/626 | WAT031790 |
| Spring Energized Seal Kit               | WAT034515 |
| 616 Pump Head                           | WAT047635 |
| 616 New Seal Pkg 2                      | WAT034515 |

### Plunger Wash

|                    |           |
|--------------------|-----------|
| Pump Solenoid Assy | WAT022571 |
|--------------------|-----------|

## PUMPS - 616 Fluidics

### Rheodyne

|                             |           |
|-----------------------------|-----------|
| Injector Cable Assembly     | WAT055897 |
| Rheodyne Injector, 7725I    | WAT055840 |
| Rotor Seal, Vespel, 7725I   | WAT055946 |
| Stator Face Seal Assy 7725I | WAT055947 |
| Isolation Seal, 7725I       | WAT055948 |
| Vent Vlive 7033             | WAT055841 |
| Rotor Seal, 7033            | WAT055972 |
| Sensing Switch              | WAT055960 |

### Other Replacement Parts

|                                               |           |
|-----------------------------------------------|-----------|
| Startup Kit                                   | WAT055825 |
| Pressure xdcer Assy w/Cover                   | WAT055850 |
| Gradient Proportioning Valve Assy 616/625/626 | WAT034430 |
| SS Gradient Mixer Assy                        | WAT055847 |
| Sparge Valve Assy 616/625/626                 | WAT062010 |
| Pump Motor 616/625/626                        | WAT021013 |
| Inlet Manifold Assy, 616/626                  | WAT035135 |
| Mounting Screws                               | WAT046327 |
| Seal Insertion Tool, 616/625/626              | WAT088726 |
| Interconnect Board                            | WAT030554 |
| Torque Wrench                                 | WAT025178 |
| Luer lock Fitting (Hamilton)                  | WAT024934 |
| Luer lock ring (Hamilton)                     | WAT024933 |
| Seal Extraction Tool                          | WAT039803 |

## PUMPS - 625/626 & ACTION Analyzer Flu

### Pump Components

|                           |           |
|---------------------------|-----------|
| Pump Head w/o Check Valve | WAT030540 |
| Pump Head Support         | WAT023061 |
| Check Valve Cartridge     | WAT024120 |

## PUMPS - 625/626 & ACTION Analyzer Flu

### Pump Components - continued

|                                                    |           |
|----------------------------------------------------|-----------|
| Inlet Check Valve Housing                          | WAT030541 |
| Inlet Manifold to Right Pump Head                  | WAT055927 |
| Inlet Manifold to Left Pump Head                   | WAT055926 |
| Left Pump Head to Pressure Transducer              | WAT055928 |
| Outlet Check Valve Housing                         | WAT030543 |
| Right Pump Head to Pressure Transducer             | WAT055929 |
| Plunger w/Indicator Rod                            | WAT031788 |
| Plunger & Wash Seal Kit (inc. for both pump Heads) | WAT031790 |
| Seal Insertion Tool                                | WAT088726 |
| Inlet Manifold Assy, 616/626                       | WAT035135 |
| Pump Motor                                         | WAT021013 |
| Xducer w/Cover                                     | WAT088718 |
| Inlet Manifold to Pump Head Tubing (626)           | WAT055620 |
| Gasket                                             | WAT088757 |
| Prop. Valve Assy (Action) (.040)                   | WAT034429 |
| Grad. Prop. Valve Assy, 616/625/626 (.020)         | WAT034430 |

### Injector Components

|                     |           |
|---------------------|-----------|
| 9725; Injector      | WAT055030 |
| 9125 Rheo. Injector | WAT033446 |
| Tefzel Rotor Seal   | WAT015781 |
| Teflon Gasket       | WAT030514 |
| Injector Stator     | WAT030518 |
| Rotor               | WAT033442 |

### Injector Rebuild Parts (for p/n 88724)

|        |           |
|--------|-----------|
| O-Ring | WAT021660 |
|--------|-----------|

## PUMPS - 625/626 & ACTION Analyzer Flu

### Vent Valve Rebuild Parts

|                   |           |
|-------------------|-----------|
| Teflon Gasket     | WAT030539 |
| Vent Valve        | WAT088727 |
| Vent Valve Stator | WAT030507 |
| Rotor             | WAT033443 |
| O-Ring            | WAT021660 |

### Tubing - PEEK (1/16 OD)

|                               |           |
|-------------------------------|-----------|
| PEEK Tubing .005 x 7/16 x 60" | WAT022995 |
| NA5 ID, 5 ft                  | WAT022995 |
| 0.010 x 1/16 x 60"            | WAT022996 |
| 0.010 ID, 5 ft                | WAT022996 |
| 0.015 ID, 5 ft                | WAT022997 |
| 0.020 x 1/16 x 60"            | WAT022998 |
| 0.020, 5 ft                   | WAT022998 |

### TEFZEL (1/8 OD)

|                 |           |
|-----------------|-----------|
| 0.020 ID, 10 ft | WAT088430 |
| 0.040 ID, 10 ft | WAT088432 |

### Fittings - PEEK (for 1/16 OD Tubing)

|                       |           |
|-----------------------|-----------|
| Long Comp Screw, 10pk | WAT021812 |
| Short Comp Screw 10pk | WAT021815 |
| Ferrule 1/16, PEEK    | WAT021817 |
| Union PEEK 0.020      | WAT026-04 |
| Knurled Knob          | WAT021816 |

### Plastic (for 1/8 OD Tubing)

|                         |           |
|-------------------------|-----------|
| Reverse Comp Screw 5pkg | WAT005148 |
| Reverse Ferrule         | WAT088466 |

## PUMPS - 625/626 & ACTION Analyzer Flu

### Other Replacement Parts

|                                     |           |
|-------------------------------------|-----------|
| Gradient Mixer, (150, Non Metallic) | WAT031785 |
| Gradient Mixer Gasket               | WAT031784 |
| High Flow Rate Kit                  | WAT022449 |
| 626 Startup Kit                     | WAT055980 |
| Non Metallic Fitr Kit               | WAT077152 |
| Filter Assy Inert                   | WAT021693 |
| Sparge Valve Assy, 616/625/626      | WAT062010 |
| Interconnect Board                  | WAT030554 |
| DifFuser                            | WAT007272 |

## 2535 Quaternary Gradient Module

### PCB

|                              |           |
|------------------------------|-----------|
| ASSY, PCB, PERSONALITY 25X5Q | 700004455 |
|------------------------------|-----------|

### Assembly

|                                       |           |
|---------------------------------------|-----------|
| Assy tube left xdc to out cv manifold | 430002119 |
| Assy tube right xdc to out cv man     | 430002121 |
| Assy tube inlet man valve to cv       | 430002269 |
| Assy, sapphire plunger .280           | 700001532 |

### Tubing

|                                          |           |
|------------------------------------------|-----------|
| ASSY, TUBE VV P1TO MIXER OUTLET          | 430002392 |
| ASSY, TUBE VV P4 TO MIXER INLET          | 430002394 |
| ASSY, TUBE, VV OUTLET TO FILTER IN, 2535 | 430002395 |
| ASSY, TUBE, MIXER TO VV INLET 2535       | 430002396 |
| ASSY, TUBE VV P3-P6 2335 QGM             | 430002397 |
| Tubing Sparge valve to bulkhead          | 430002104 |
| Solvent Inlet tubes (pkg 4)              | 430002315 |
| Assy tube outlet cv to mixer Left 2535   | 430002073 |
| Assy tube outlet cv to mixer right 2535  | 430002030 |



## 2535 Quaternary Gradient Module

### Cables

|                                        |           |
|----------------------------------------|-----------|
| ASSY, CABLE, SPARGE, HUMPHREY          | 441000916 |
| ASSY, CABLE, LEAK SENSOR TO PCB        | 441000888 |
| ASSY, CABLE, ANALOG OUT & EVENTS I/O   | 441000892 |
| ASSY, CABLE, QSPI                      | 441000895 |
| ASSY, CABLE, VENT VALVE, 2545Q         | 441000880 |
| ASSY, CABLE, AC MODULE TO POWER SUPPLY | 441000882 |
| ASSY, Cable, 60V VDC Pwr               | 441000883 |
| ASSY, CABLE, 60 VDC TO POWER DIST. PCB | 441000894 |
| ASSY, CABLE, GPV VALVES                | 700004433 |

### Kits

|                                              |           |
|----------------------------------------------|-----------|
| 2535 Quaternary Gradient Module Start UP Kit | 200000643 |
| KIT, TUBING GPV, 2535Q                       | 700004798 |
| 2535 QGM PERFORMANCE MAINTENANCE KIT         | 201000209 |
| Plunger Seal Kit:                            | 700004160 |
| Check Valves, cartridge kit                  | 700001493 |
| KIT, INLET MANIFOLD, 25X5                    | 700004431 |

### Miscellaneous

|                                       |           |
|---------------------------------------|-----------|
| Housing, Inlet check valve            | 700001530 |
| Ferrule set 1/8                       | 410000251 |
| PM Label                              | Wat053502 |
| Grease Kit, BGM                       | 700001678 |
| Fitting 1/8 OD tube to 1/8 male npt   | 410002865 |
| FILTER FRAME, DRIP CONTROLLING, 25X5Q | 400003346 |
| Filter, Lower                         | 700003202 |
| Assy, Filter, 19mm, Symmetry 5 Micron | WAT033350 |
| Battery                               | 700001834 |
| Vent valve rotor seal, 8 port         | 425000799 |
| Assy, Solvent Filters                 | WAT025531 |

## 2535 Quaternary Gradient Module

### Miscellaneous - continued

|                                          |           |
|------------------------------------------|-----------|
| Solvent Filters (pk 4)                   | 700005083 |
| ROTOR SEAL, VALCO VALVE, C75ST           | 425000799 |
| Tubing 3/16 OD x 1/16 ID tygon           | 700003751 |
| Solvent Filters (pk 4)                   | 700005083 |
| ASSY, TUBE, SYSTEM OUTLET, 2535Q         | 430002273 |
| FITTING 1/8 OD to 1/8 MALE NPT           | 700004870 |
| NUT, .280 DIA.PLUNGR RETNR, 1.25-18 UNEF | 405006983 |
| C- clip                                  | 410000570 |
| PUMP HEAD, .280 ID, CV BACK              | 700004454 |
| .280 ID HEAD SUPPORT PLATE, 2545         | 700004613 |
| HOUSING, SEAL WASH, .280 DIA             | 700004611 |

## 2545 Quaternary Gradient Module

### PCB

|                              |           |
|------------------------------|-----------|
| ASSY, PCB, PERSONALITY 25X5Q | 700004455 |
|------------------------------|-----------|

### Assemblies

|                                                 |           |
|-------------------------------------------------|-----------|
| ASSY, MIXER, 2545Q 1.1                          | 700004436 |
| ASSY, SPARGE, UNIVERSAL, 25X5Q                  | 700004435 |
| ASSY, ACTUATOR, W/O FLUIDIC/MOTOR, 2545         | 700004662 |
| VALVE, HUMPHREY, MINI, 24V, 1W                  | 700004608 |
| PRESSURE SWITCH, 150PSI MAX, 7PSI SET           | 700004610 |
| ASSY, DISPLAY, LCD                              | 700004448 |
| VALVE 4-2 WAY, NC, REDU. NOISE, TPE SEAT<br>GPV | 700004426 |
| ASSY, X-DUCER, 2545Q & 2555Q                    | 700004469 |
| POWER SUPPLY, 500W, XP POWER                    | 700005087 |
| VALVE, INLET MANIFOLD, 25X5Q                    | 700004432 |
| Assy, sapphire plunger .280                     | 700001532 |

## 2545 Quaternary Gradient Module

### Tubing

|                                          |           |
|------------------------------------------|-----------|
| ASSY, TUBE, PRIMING, INLET MAN. VALVE    | 430002124 |
| ASSY, TUBE, SPARGE                       | 700005085 |
| ASSY, TUBE, OUTLET CV TO MIXER, RIGHT    | 430002030 |
| ASSY, TUBE, OUTLET CV TO MIXER, LEFT     | 430002073 |
| ASSY, TUBE, X-DUCER INLET                | 430002149 |
| ASSY, TUBE, LEFT XDUCER TO OUT. CV MAN   | 430002119 |
| ASSY, TUBE, RIGHT XDUCER TO OUT. CV MAN  | 430002121 |
| ASSY, TUBE, MIXER TO VV PORT 2           | 430002032 |
| ASSY, TUBING BGM WASTE LINES             | 430002175 |
| ASSY, CABLE, INTERIM, SEAL WASH          | 441000904 |
| ASSY, TUBING, SEAL WASH INLET            | 430002131 |
| ASSY, TUBE, INLET MAN. VALVE TO CV       | 430002190 |
| ASSY, TUBE, SPARGE TO FRONT BULKHEAD     | 430002104 |
| ASSY, TUBES, 1/4" SOLVENT INLET          | 700004607 |
| GPV Valve Inlet Tubes pkg 5              | 700004614 |
| Assy, Tube, Sample Loading .096 ID x 36" | 430002144 |
| BGM/QGM Seal Wash Pump Outlet Tube       | 700005707 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| ASSY, CABLE, SPARGE, HUMPHREY          | 441000916 |
| ASSY, CABLE, LEAK SENSOR TO PCB        | 441000888 |
| ASSY, CABLE, ANALOG OUT & EVENTS I/O   | 441000892 |
| ASSY, CABLE, QSPI                      | 441000895 |
| ASSY, CABLE, VENT VALVE, 2545Q         | 441000880 |
| ASSY, CABLE, AC MODULE TO POWER SUPPLY | 441000882 |
| ASSY, Cable, 60V VDC Power             | 441000883 |
| ASSY, CABLE, GPV VALVES                | 700004433 |
| ASSY, CABLE, 60 VDC TO POWER DIST. PCB | 441000894 |

## 2545 Quaternary Gradient Module

### Kits

|                             |           |
|-----------------------------|-----------|
| KIT, Plunger Seal, 25X5 QGM | 700004160 |
| 2545 QGM PM Kit             | 201000199 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| C- clip                                  | 410000570 |
| NUT, .280 DIA.PLUNGR RETNR, 1.25-18 UNEF | 405006983 |
| Bracket, Mixer, Inlet Manifold, 25X5Q    | 700004439 |
| Manifold, Check Valve, 25X5Q             | 700004445 |
| GASKET FILM, MIXER, 2545Q                | 425000686 |
| Connector, .25 OD TUBE, TO .125 MALE NPT | 410002442 |
| HOUSING, SEAL WASH, .280 DIA             | 700004611 |
| BLOCK, STOP, VALVE POSITIONING           | 700004425 |
| DRIP TRAY, 25X5Q, LEAK SENSOR READY      | 700004430 |
| DRIP TRAY, GPV-SPARGE, 25X5Q             | 700004437 |
| PLATE, GPV, ISOLATION, 25X5Q             | 700004427 |
| MOUNT, ISOLATION, VIBRATION .62OD X .62L | 700004434 |
| PLATE, FRONT, CHASSIS, 25X5Q             | 700004428 |
| PLATE, GPV, FRONT, 25X5Q                 | 700004429 |
| PUMP HEAD, .280 ID, CV BACK              | 700004454 |
| BRACKET, TRANSDUCER PCB, BGM W/DOOR      | 700004456 |
| .280 ID HEAD SUPPORT PLATE, 2545         | 700004613 |
| MANIFOLD, INLET, 25X5Q                   | 700004431 |

## 2555 Quaternary Gradient Module

### PCB

|                              |           |
|------------------------------|-----------|
| ASSY, PCB, PERSONALITY 25X5Q | 700004455 |
|------------------------------|-----------|

## 2555 Quaternary Gradient Module

### Assemblies

|                                       |           |
|---------------------------------------|-----------|
| Assy, Plunger .395                    | 410002205 |
| Assy Mixer 7.4                        | 700005084 |
| ASSY, SOLVENT FILTER, 20 UM, 1/8 TUBE | 700005083 |
| Assy Solvent filter                   | WAT025531 |

### Tubing

|                                      |           |
|--------------------------------------|-----------|
| assy tube inlet manifold to inlet cv | 430002190 |
| GPV Tuving Kit, 25 x 5               | 700004868 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| ASSY, CABLE, SPARGE, HUMPHREY          | 441000916 |
| ASSY, CABLE, LEAK SENSOR TO PCB        | 441000888 |
| ASSY, CABLE, ANALOG OUT & EVENTS I/O   | 441000892 |
| ASSY, CABLE, QSPI                      | 441000895 |
| ASSY, CABLE, VENT VALVE, 2545Q         | 441000880 |
| ASSY, CABLE, AC MODULE TO POWER SUPPLY | 441000882 |
| ASSY, CABLE, 60V VDC POWER             | 441000883 |
| ASSY, CABLE, 60 VDC TO POWER DIST. PCB | 441000894 |
| ASSY, CABLE, GPV VALVES                | 700004433 |

### Kits

|                                      |           |
|--------------------------------------|-----------|
| Plunger seal kit, 2555               | 700004796 |
| KIT, CARTRIDGE, CHECK VALVE, 2555    | 700004867 |
| START UP KIT, 25X5 QGM               | 200000243 |
| GPV TUBING KIT, 25X5                 | 700004868 |
| 2555 QGM PERFORMANCE MAINTENANCE KIT | 201000210 |
| KIT, CARTRIDGE, CHECK VALVE, 2555    | 700004867 |

## 2555 Quaternary Gradient Module

### Miscellaneous

|                                       |           |
|---------------------------------------|-----------|
| Spring , washer                       | 410002175 |
| Nut, plunger retainer .395            | 405006596 |
| Plate, Head Support                   | 405006414 |
| Label, PM                             | WAT053502 |
| Grease kit, BGM                       | 700001678 |
| Assy, Seal wash housing               | 700005082 |
| Pump head .395                        | 405008440 |
| Assy, Actuator                        | 700004662 |
| manifold , Tee 2555                   | WAT070122 |
| Gasket , mixer 7.4                    | 425000787 |
| ferrule , set 1/8 Front Back          | 410000251 |
| Assy, Filter, 19mm, Xymmetry 5 Micron | WAT033350 |
| Battery                               | 700001834 |
| Filter , lower                        | 700003202 |
| Vent Valve rotor seal, 8 port         | 700001483 |

## PUMPS - Delta Prep 2000

### Fluidic Components

|                                  |           |
|----------------------------------|-----------|
| Pump Head Assembly #7            | WAT052235 |
| Pump Head Support                | WAT052114 |
| Bearing Seal Back-up             | WAT052120 |
| Retainer, Seal                   | WAT052113 |
| O-Ring TFlon                     | WAT076152 |
| Seal, Wash                       | WAT052117 |
| 1/8 - 1/16 Adapter               | WAT082732 |
| Outlet CV Assy #5                | WAT033326 |
| Outlet CV Housing                | WAT060308 |
| inlet Check Valves #7            | WAT052230 |
| Check Valve Reb. Kit (in/out) #7 | WAT052231 |

## PUMPS - Delta Prep 2000

### Fluidic Components - continued

|                             |           |
|-----------------------------|-----------|
| Outlet Check Valve w/TEE #7 | WAT052220 |
| Plunger Insertion Tool #5   | WAT037483 |
| Indicator Rod Kit           | WAT037293 |
| Plunger Seal                | WAT052119 |
| Seal Insertion Tool #7      | WAT052225 |
| Gradient Prop. Valve        | WAT082823 |
| Sparge Valve Assy           | WAT089598 |
| inlet Manifold #7           | WAT052201 |
| Air Pump Assy 100V          | WAT024819 |
| Air Purge, Prep Assy        | WAT036232 |
| Plunger (2 piece) #7        | WAT052111 |
| Outlet CV Assy #5           | WAT033326 |
| DP Pump Mechanics           | WAT037112 |
| 2-piece plunger Assy (#5)   | 405001420 |
| Assy, FHU motor driver      | 700002641 |

### Fuses

|                          |           |
|--------------------------|-----------|
| 1A                       | WAT022615 |
| 3A                       | WAT022626 |
| 4A                       | WAT071406 |
| 2.5A                     | WAT072919 |
| .5A                      | WAT022628 |
| .25A Slo-Blo             | WAT042200 |
| Strain Gauge Xducer Assy | WAT045400 |
| Transducer pump Cable    | WAT036142 |

### Electronic & Other Components

|                          |           |
|--------------------------|-----------|
| Stepper motor            | WAT037231 |
| Controller PCB 3.1       | WAS073669 |
| Rev. 2.1 PROM Set 2K/4K) | WAT052280 |
| Slammer PCB              | WAT089597 |
| Interconnect PCB         | WAT037221 |

## PUMPS - Delta Prep 2000

### Column Rack

|                                            |           |
|--------------------------------------------|-----------|
| Rotor Vespel Low pH 7010L                  | WAT037491 |
| Rotor Tefzel High pH 7010L                 | WAT037492 |
| Fraction Selector/Function Valve SS 8-Way, | WAT024772 |
| 1/4 - 28 Fittings Purge Valve, 3 Way       | 700001309 |
| Prep Gradient Mixer                        | WAT088453 |
| Analytical Gradient Mixer                  | WAT051518 |
| Solvent Filters - 4pk                      | WAT082861 |
| 1/8" Hex Nut Fitting                       | WAT022366 |
| 1/8" Nut Ferrule                           | WAT022367 |

## PUMPS - Delta Prep 4000

### Fluidic Components

|                                |           |
|--------------------------------|-----------|
| Pump Head w/Check Valves       | WAT031029 |
| inlet Check Valve #5           | WAT033325 |
| Outlet Check Valve #7          | WAT033326 |
| Check Valve Rebuild Kit #5     | WAT037495 |
| inlet Check Valve Housing      | WAT089691 |
| Outlet Check Valve Housing     | WAT060308 |
| Plunger                        | WAT031005 |
| Plunger Insertion Tool         | WAT037483 |
| Indicator Rod Kit              | WAT037293 |
| Plunger Seal Kit               | WAT037490 |
| Plunger Seal Insertion Tool #7 | WAT037279 |
| Plunger Wash Pump Assy         | WAT022578 |
| Gradient Prop. Valve Assy      | WAT082823 |
| 3-way valve                    | 700001309 |



## **PUMPS - Delta Prep 4000**

### **Electronic & Other Components**

|                             |           |
|-----------------------------|-----------|
| Delta Prep 4000 Shelf       | WAT037410 |
| (590) Xducer                | WAT060328 |
| Valve Slammer PCB           | WAT089597 |
| Interconnect PCB            | WAT037221 |
| Sparge Valve Assy           | WAT089598 |
| Transformer (Fluidics Unit) | WAT037233 |
| Transformer Controller      | WAT043554 |
| Prep Grad Mxrr              | WAT088453 |
| Analytical Gradient Mixer   | WAT051518 |
| Promset Rev. 2.1 (2K)(4K)   | WAT052280 |
| FHU Interface Cable         | WAT037218 |

### **Fuses**

|                                        |           |
|----------------------------------------|-----------|
| 2A Slo-Blo, PCB Mount                  | WAT037212 |
| 1A                                     | WAT022615 |
| 3A                                     | WAT022626 |
| 4A                                     | WAT071406 |
| 2.5A                                   | WAT072919 |
| 0.5A                                   | WAT022628 |
| W600E to 745B RS232 t725B/746          | WAT062699 |
| Interconnect System Interface          | WAT088972 |
| Injector Switch Assy FHU Internal Assy | WAT037218 |

## **PUMPS - Delta Prep 4000, LC2000, LC4000**

### **Enhancement to Low Profile - Boards**

|                    |           |
|--------------------|-----------|
| CPU Rev. 3.1       | WAS073669 |
| P/S Daughter Board | WAS073670 |
| Bezel Assembly     | WAS073678 |
| Transition PCB     | WAT025896 |
| Keypad             | WAT069003 |

## **PUMPS - Delta Prep 4000, LC2000, LC4000**

### **Modules**

|                                     |           |
|-------------------------------------|-----------|
| System Interface Cable(CE Approved) | WAT088972 |
| Fan                                 | WAT069538 |
| Transformer                         | WAT043554 |

### **Optional Rheodyne 3725i**

|                      |           |
|----------------------|-----------|
| Rheodyne Valve       | WAT073571 |
| Rheodyne 3725 PM Kit | 201000116 |

### **Rheodyne Loops**

|      |           |
|------|-----------|
| 5ml  | WAS073703 |
| 20ml | WAS073705 |

### **Miscellaneous**

|                             |           |
|-----------------------------|-----------|
| AC Filter inlet             | WAT062345 |
| 3725; S.S. #16 Gauge Needle | 600000111 |
| Prep LC Bezel               | WAS073678 |
| Adapter 1/8 - 1/16          | WAT073574 |
| 1/8 comp Screw              | WAT050254 |
| 1/8 comp nut                | WAT022329 |
| 1/8 Ferrule                 | WAT022367 |

### **Fuses**

|                 |           |
|-----------------|-----------|
| 4 amp slo-blo   | WAS037497 |
| 4 amp 5x20 mm   | WAT165-17 |
| 1 amp           | WAT022615 |
| 3 amp           | WAT022626 |
| 2.5 amp         | WAT072919 |
| Adapter Y8-1/16 | WAT073574 |
| Y8 Comp Screw   | WAT050254 |
| Y8 Ferrule      | WAT022367 |

## **PUMPS - Prep Pack 1000**

### **Miscellaneous**

|                                  |           |
|----------------------------------|-----------|
| End Cap Ferrulle 40 Polyethylene | WAT050247 |
| Ferrulle SS                      | WAT022330 |
| Brass Fitting for Helium Reg.    | WAT050337 |
| Compression Screw                | WAT025313 |
| Cup Filter, SS, 10 Micron        | WAT025495 |
| O-Ring, Filter                   | WAT075490 |
| O-Ring, Filter, 10pk             | WAT005129 |
| O-Ring BulkHead connector        | WAT075464 |
| O-Ring, 2pk Kalrez               | WAT023401 |
| Tubing Assy                      | WAT089609 |
| Interface CableAssy              | WAT089610 |
| Union                            | WAT089801 |
| 3-Way Ball Valve                 | WAT089736 |
| BulkHead Fitting                 | WAT078134 |
| Gauge                            | WAT089735 |
| Flow Control Tube (Radial)       | WAT089773 |
| Quick Disconnect                 | WAT089770 |
| Muffler                          | WAT051250 |
| Pressure Switch                  | WAT089601 |
| Relief Valve (800psi)            | WAT050221 |
| Burst Disc (1000-1100psi)        | WAT051251 |
| Linear Actuator                  | WAT051205 |

## **PUMPS - 1500 Series**

### **Electronic**

|                      |           |
|----------------------|-----------|
| CPC 2000             | 700001518 |
| Personality pcb      | 700002247 |
| Corcom               | WAS207063 |
| 1500 Pump fan, 24VDC | 700001077 |

## PUMPS - 1500 Series

### Electronic - continued

|                                  |           |
|----------------------------------|-----------|
| 1500 pump CPU Assy               | 700001200 |
| Assy, Switch, On/Off             | WAS207106 |
| Pres. Xducer                     | WAT270966 |
| Power Supply                     | WAS081266 |
| Fuse, 3.15A (250V, 5X20MM), 2 pk | 700001800 |
| Assy, motor & shaft, Ext.        | WAS207066 |

### Fluid Components

|                                          |           |
|------------------------------------------|-----------|
| Performance plus Check Valves w/housings | 700000253 |
| Performance plus CV Cartridges           | 700000254 |
| Performance Plus CV Housing              | 700001108 |
| Kit, Plunger Seal (clear 4/pk)           | WAT022946 |
| Kit, Plunger Seal (clear 1/pk)           | WAT022934 |
| Seals Aqueous, Buffer, 2pk               | WAT025296 |
| Seals, Aqueous, Buffer, 4pk              | WAT025297 |
| Plunger Seat, Brass                      | WAT023060 |
| Retainer, Spring (white plastic)         | WAT023059 |
| Seal Retainer (316SS)                    | WAT033250 |
| Assy, Filter, HP                         | 700002742 |
| Assy, Drawoff Valve                      | WAS207085 |
| Assy, Plunger                            | WAS207069 |
| Assy, Pump Mechanics New                 | WAS207033 |
| Assy, Pump Head (w/CV's)                 | WAS207006 |
| Assy, Solvent Filter                     | WAT025531 |
| Comp. Fitting (Screws, Ferrules 5pk)     | WAT025604 |
| Head Support                             | 700002895 |
| Indicator Rod Kit                        | WAT069583 |
| Lower Drip Tray                          | 700001091 |
| Injector valve Drip Tray                 | 700001092 |

## PUMPS - 1500 Series

### Tubing

|                                   |           |
|-----------------------------------|-----------|
| Tube Assy, tee-Transducer         | 430001257 |
| Tube Assy, Transducer – ref valve | 430001266 |
| Tube Assy, ref valve – Waste      | 430001242 |
| sovent inlet Manifold             | WAS207074 |
| Assy, Tubing inlet, LH            | 430001253 |
| Assy, Tubing, inlet, RH           | 430001256 |
| Assy, Tubing, Outlet, LH          | 430001254 |
| Assy, Tubing Outlet, RH           | 430001255 |
| Tube Assy, Xducer – Mixer         | 430001258 |
| Tube Assembly Mixer – ref. Valve  | 430001259 |
| Tube Assy, Mixer – Mixer          | 700001164 |
| Tube, Ref Valve – Man Inj         | 700001165 |
| Tube, Man Injector – Column       | 700001166 |
| Tube, Man Injector – Waste        | 700001169 |

### Cables

|                                         |           |
|-----------------------------------------|-----------|
| Motor extension CableAssy               | 700001096 |
| AC Power CableAssy                      | 700001097 |
| PCM-CPU CableAssy                       | 700001098 |
| PS – CPU CableAssy                      | 700001099 |
| Transducer CableAssy                    | 700001101 |
| Event Interconnect Cable Assy           | 700001100 |
| Assy, Cable, Seal Wash Solenoid Harness | 441000499 |
| Cable, Power Switch to PS               | 700001226 |
| Cable, AC to Power Switch               | 700001227 |
| CableAssy, Gnd from power               | WAS207092 |
| Line cord, 110v                         | WAT097194 |
| Line cord, 230v                         | WAT097410 |

## PUMPS - 1500 Series

### Miscellaneous

|                                  |           |
|----------------------------------|-----------|
| Motor mount Gasket               | WAT026573 |
| SCR 8-32 Shoulder                | WAT026574 |
| Oil Seal 4pk                     | WAT005081 |
| Foot Plastic BGM                 | 700001548 |
| 1500 pump front door Assy        | 700001078 |
| 1500 pump Top panel              | 700001079 |
| 1500 pump Right Side panel       | 700001080 |
| 1500 pump Left Side panel        | 700001081 |
| 1500 pump front door hinge       | 700001082 |
| 1500 pump PCM PCB bracket        | 700001083 |
| 1500 pump injector valve bracket | 700001084 |
| 1500 pump Support bracket        | 700001085 |
| 1500 pump HP Filter Cover        | 700001087 |
| 1500 pump face Plate             | 700001088 |
| 1500 pump inj. Face Plate        | 700001089 |
| 1500 pump 3pos Bottle bracket    | 700001090 |
| 1500 pump panel standoff, 2pk    | 700001109 |
| 1500 Pump Shipping box           | 290000242 |
| 1500 C/H Shipping box            | 290000243 |
| Event Connector (12-Pin)         | WAT270868 |

### 1515 Micro Pump Spare Parts

|                                   |           |
|-----------------------------------|-----------|
| 1525, Check Valve, 2/Pk           | 700002275 |
| 1525M Seal Kit                    | 205000202 |
| Pump Head Assembly w/ CV          | 700002250 |
| Pump Head                         | 700002249 |
| 50ul Mixer Assy ASi               | 700002306 |
| Tee, backflow Check Valve housing | 700002246 |
| Bracket, Tee                      | 400001188 |
| Bracket, 50ul Mixer               | WAT271474 |
| Bracket, 150ul Mixer              | 400000532 |

## PUMPS - 1500 Series

### 1515 Micro Pump Spare Parts - continued

|                                     |           |
|-------------------------------------|-----------|
| Drip Tray Bottom                    | 405001188 |
| Cable, DC Power                     | 441000368 |
| Cable, Main Injector                | 441000366 |
| Cable, Xducer                       | 441000365 |
| 1500 Personality PCB                | 700002247 |
| PBC Rear Panel                      | 700002248 |
| Cable, Event                        | 441000369 |
| Cable, Ribbon, Rear Panel PCB       | 441000367 |
| Tube Assy, Mixer – Vent Valve, .005 | 430001243 |
| Tube Assy, Vent Valve- Waste .040   | 430001244 |
| Tube Assy, tee - Xducer, .005       | 430001262 |
| Tube Assy, Xducer to Mixer, .012    | 430001251 |
| Uplunger                            | WAT030547 |
| Uplunger spring                     | WAT023058 |
| Plunger Kit & rod                   | WAT031788 |

### 1500 Series Kit

|                                  |           |
|----------------------------------|-----------|
| 1500 pump manual injector Option | 186000872 |
| Start up Kit 1525                | 200000130 |
| Start up Kit 1515                | 200000135 |
| Start up Kit Column heater       | 200000133 |
| PM Kit 1515                      | 201000113 |
| PM Kit 1525                      | 201000114 |
| PM Kit for 7725i                 | 201000119 |
| Flex Injector                    | 205000237 |

### Specialty Tooling

|                        |           |
|------------------------|-----------|
| Plunger Insertion Tool | WAT011042 |
| Snap ring pliers       | WAT025263 |
| Seal Insertion Tool    | WAT024765 |

## PUMPS - 1500 Series

### Specialty Tooling - continued

|                                 |           |
|---------------------------------|-----------|
| Interface tool Assy             | 700001205 |
| CableAssy, interface tool       | 700001225 |
| CableAssy, interface tool       | 700001225 |
| GM150 SS Mixer                  | WAT055847 |
| GM150 Inert Mixer               | WAT031785 |
| Analytical Mixer SS 1.2ml       | WAT051518 |
| Prep Mixer 7.5ml 20-180 4000psi | WAT088453 |

### 1500 Series Column heater Spare Parts

|                                       |           |
|---------------------------------------|-----------|
| 1500 CHM Rear Panel update ENET, Kit  | 700004184 |
| RS-232 connector & Cable              | 700001628 |
| 1500 C/H Personality PCB Assy         | 700001103 |
| 1500 C/H DC power CableAssy           | 700001104 |
| 1500 C/H RS232 CableAssy              | 700001628 |
| 1500 C/H power Switch to PS CableAssy | 700001226 |
| 1500 C/H IEEE CableAssy               | WAT080653 |
| 1500 C/H AC to power Switch CableAssy | 700001227 |
| 1500 C/H door Switch CableAssy        | WAT271059 |
| 1500 C/H PS                           | WAS081266 |
| Internal Fan                          | WAT270829 |

### Degasser

|                                |           |
|--------------------------------|-----------|
| Degasser Kit 1525/1525EF       | 205000253 |
| Degasser Chamber, 1525 micro   | 700002506 |
| PCB, deg, QSPI multi pers      | 700002511 |
| Tubing Assy, degasser - pump A | 430001269 |
| Tubing Assy, degasser - pump B | 430001268 |
| CableAssy, power degasser      | 441000513 |
| CableAssy, QSPI serial         | 441000514 |
| Switch/LED CableAssy           | 441000516 |
| Fuse 3.15a 2/pk                | 700001800 |



## **PUMPS - 1500 Series**

### **Active Seal/Wash**

|                                     |           |
|-------------------------------------|-----------|
| Active Seal wash Kit 1525u          | 205000250 |
| Active Seal wash Kit 1525           | 205000251 |
| Active Seal wash Kit 1525EF         | 205000252 |
| Wash pump, solenoid                 | 700002535 |
| Mounting bracket, wash pump         | 400001417 |
| Seal wash Tubing, pharmed, 36in     | 700002505 |
| Barbed Fitting, wash valve & u Head | 405003016 |
| Barbed Fitting, Head Support        | 405002915 |
| Wash Seals & Spaces                 | WAT031875 |
| Wash Seal Retainer                  | WAT025654 |

## **1525 EF Tube Assy**

### **1525 EF Kit**

|                              |           |
|------------------------------|-----------|
| Tube Assy, tee - Xducer      | 430001245 |
| Tube Assy, Xducer - Mixer    | 430001246 |
| Tube Assy, Mixer - ref valve | 430001247 |
| Tube Assy, ref valve - Waste | 430001248 |
| Tube Assy, man inj - column  | 700001166 |

## **PCM2/TCM2**

### **PCM2**

|                      |           |
|----------------------|-----------|
| PCM2                 | 186002449 |
| Personality PCB/ PCM | 700002471 |
| Display, PCM         | 700002475 |
| Bezel Assy, PCM      | 700002516 |

### **TCM2**

|                               |           |
|-------------------------------|-----------|
| TCM2                          | 186002441 |
| Personality PCB/ TCM          | 700002472 |
| Keypad, TCM                   | 700002474 |
| LCD MOD, 93X70MM EL BACKLIGHT | 700001114 |
| Bezel Assy, TCM               | 700002515 |

## PCM2/TCM2

### Common parts for PCM2/TCM2

|                            |           |
|----------------------------|-----------|
| CableAssy, AC - Switch     | 441000467 |
| CableAssy, DC power        | 441000468 |
| CableAssy, Switch - P/S    | 441000469 |
| Power Supply               | WAS081266 |
| Power Switch               | WAT055722 |
| POwner Entry Module        | WAS207063 |
| Event Cable, shielded      | WAT048918 |
| CableAssy, PCM2 - Pump 15' | 441000470 |
| Cable, PCM - pump          | 441000470 |

## ALLIANCE - Alliance 2695

### Solvent Management System

|                                  |           |
|----------------------------------|-----------|
| Start Up Kit                     | 200000155 |
| Seal Wash Pump                   | WAT270926 |
| Assy, GPV                        | WAT270927 |
| Housing, Check Valve, PPT        | 700002332 |
| Assy, Plunger (Standard)         | WAT270959 |
| Washer, Plunger                  | WAT271020 |
| Pump Tray                        | 700001030 |
| Assy, Plunger Drive w/ Seal Wash | 700001031 |
| Housing Seal Wash                | WAT270962 |
| Manifold                         | WAT270963 |
| Nut, Head                        | WAT270964 |
| Prime/Vent Valve                 | WAT270965 |
| Inline Filter                    | WAT035190 |
| Filter Insert                    | WAT088084 |
| Pressure Transducer              | WAT270966 |
| Plunger Oriented (Optional)      | WAT271067 |
| Garter Spring                    | WAT271169 |
| Plunger                          | WAT270959 |

## ALLIANCE - Alliance 2695

### Solvent Management System - continued

|                         |           |
|-------------------------|-----------|
| J-Tube Head Assy        | WAT270961 |
| PPT Check Valve Housing | 700002332 |
| Ceramic Check Valve     | 700002333 |

### Power Supplies

|                  |           |
|------------------|-----------|
| Power Supply600W | WAT270923 |
|------------------|-----------|

### Sample Management System

|                                   |           |
|-----------------------------------|-----------|
| 2500ul Syringe                    | WAT077342 |
| 250ul Syringe                     | WAT073109 |
| 25ul Syringe                      | WAT077343 |
| Assy, Carousel / Carrier Drive    | WAT270928 |
| Assy, Carousel Rotary Drive Motor | WAT270929 |
| Assy Carriage Drive Motor         | WAT270930 |
| Assy, HPMV, V1 & V2               | WAT045438 |
| Assy, Injector                    | 700002789 |
| Phase II injector upgrade Kit     | 700002790 |
| Union Needle to Loop              | WAT079003 |
| Assy, Pump Needle Wash            | WAT078979 |
| Assy, Syringe w/Drive             | 700000239 |
| Optical Switch, Injector          | WAT270933 |
| Valve, Sol. V3                    | 700001229 |
| Valve, Sol. V4                    | WAT078800 |
| Base Plate Carousel Compartment   | WAT270116 |
| Heater/Chiller Assembly           | WAT270804 |
| Black Frit Retainer               | WAT212043 |
| Performance Plus Needle)          | 700001247 |
| Needle Wash, Filter (5pk) Lower   | 700001318 |
| High PSI Seal pkg (2)             | 700002760 |
| Syringe clamp knurled nut         | WAT072055 |
| Syringe Door                      | WAT271183 |
| Needle Wash Frit (10pk) Upper     | WAT035191 |

## ALLIANCE - Alliance 2695

### Cables

|                                              |           |
|----------------------------------------------|-----------|
| Assy, Y- Cable Transducer                    | 441000454 |
| Assy, Cable, AC Power & Switch               | WAT270895 |
| Assy, Cable, Carousel Optical Fence          | WAT270896 |
| Assy, Cable, Carousel ID Sensor              | WAT270901 |
| Assy, CableHome POS Sensor                   | WAT270897 |
| Assy, CablePlunger Driver Motor              | WAT270898 |
| Assy, CableBar Code Reader Assy, Cable, LCD  | WAT270899 |
| Assy, Cable, Power Degas/CH                  | WAT270900 |
| Assy, CableChassis Gnd                       | WAT078842 |
| Assy, Cable, CPU to Fluidic pcb              | WAT270903 |
| Assy, CableDC Power PS - CPU                 | WAT270905 |
| Assy, CableCPU - Pump Driver. Bd             | WAT270904 |
| Assy, CableEvent (pkg. 2)                    | WAT020321 |
| Assy, CableH/C - Plunger Driver Bd           | WAT271015 |
| Assy, CableColumn heater Mod External        | WAT271016 |
| Assy, CableDisk Drive to CPU                 | WAT078786 |
| Assy, CablePressure Transducer               | WAT270906 |
| Cable, Pressure Transducer New Style (RS232) | 441000454 |
| Assy, CableZ Drive Home Sensor               | WAT270907 |
| Assy, CableOptional Control                  | WAT270908 |
| Cable, H/C DC Power                          | WAT271075 |
| 2690 H/C-Plunger Drv PCB Cable               | WAT271015 |

### Circuit Boards

|                                          |           |
|------------------------------------------|-----------|
| Assy, PCB Degasser                       | 700002511 |
| PCB Dual Opti Sens, Carrier              | WAT270914 |
| Assy, PCB, CPU                           | 700004462 |
| Assy, PCB, Keypad                        | 700004465 |
| Assy, PCB Fluidics Driver (Injector PCB) | WAT270917 |
| Assy, PCB Plunger Driver                 | WAT270919 |

## ALLIANCE - Alliance 2695

### Circuit Boards - continued

|                                                      |           |
|------------------------------------------------------|-----------|
| Assy, PCB Column heater Interconnect                 | WAT270920 |
| Assy, PCB, 2690 Column heater (first generation old) | WAT270921 |
| Boot Prom Kit                                        | 700004496 |
| Kit, Alliance LCD & Front Panel PCB                  | 700005499 |
| Battery                                              | WAT080443 |
| 7A Fuse (plunger driver pcb)                         | WAT290188 |
| 5A Fuse (Interconnect pcb)                           | 700001840 |
| 160mA Fuse (col heater)                              | 330000127 |

### Maintenance KITS and Tools

|                                                 |           |
|-------------------------------------------------|-----------|
| Head, Plunger Seal Kit (clear)                  | 700001326 |
| Head, Plunger Seals Repl. Kit (Std-Yellow)      | WAT270938 |
| Head, Face Seals replacement Kit (4)            | WAT270939 |
| Wash Tubes Seals replacement Kit,S/W            | WAT270940 |
| Seal Wash Face Seal replacement Kit             | WAT271017 |
| Head Plunger Seal Kit, 2 per Package, (clear)   | 700001326 |
| Head, GFP Plunger Seal Kit (Optional Black)     | WAT271066 |
| Seal Wash Plunger Seal, replacement Kit         | WAT271018 |
| HPMV Rebuild Kit                                | WAT045424 |
| Spare, Seal Pack Assy                           | 700002791 |
| Seal Pack Rebuild Kit w/Needle                  | WAT271019 |
| Back Pressure Regulator, 500 psi                | 700002469 |
| High Pressure Seal Pack Seals                   | 700002760 |
| Alliance Solvent Manager PM Kit                 | 700004073 |
| Check Valve Cartridge replacement Kit (2 cart.) | WAT270941 |
| Seal Wash Upgrade Kit                           | WAT270872 |
| Seal Wash Adapter                               | WAT270586 |
| Maintenance Kit                                 | WAT270944 |
| Kit, Carousel Set, 5pk                          | WAT270328 |

## **ALLIANCE - Alliance 2695**

### **Maintenance KITS and Tools - continued**

|                                        |           |
|----------------------------------------|-----------|
| HPMV & Seal Tool Kit                   | WAT045427 |
| Plunger Seal Insertion Tool            | WAT270969 |
| Fuse Kit (Universal)                   | WAT270935 |
| Prime/Vent ValveRebuild Kit (Rheodyne) | WAT270936 |
| Start Up Kit w/ carousells             | 200000204 |
| Seal Extraction Tool                   | WAT039803 |
| Screw M3x12, CH HD Platform LC, Qty 10 | 405000156 |

### **Degasser Chamber**

|                      |           |
|----------------------|-----------|
| Degasser Chamber     | 700001218 |
| Vacuum Manifold Tube | 700001333 |
| Vacuum Pump          | 700001352 |
| GPC Chamber, stented | 700005508 |
| Degasser Tray        | 700001219 |
| Degasser PCB         | 700002511 |
| Vac DegasTube Pkg    | WAT073630 |

### **Heater Chiller**

|                              |           |
|------------------------------|-----------|
| Heater/Chiller Assembly      | WAT270804 |
| Heater/Chiller Upgrade       | WAT270802 |
| H/C PCB                      | 700001065 |
| H/C engine                   | 700001066 |
| H/C External Fan             | 700001067 |
| H/C Thermal Probe            | WAT270821 |
| Optional Control Cable       | WAT270908 |
| H/C Plunger Driver PCB Cable | WAT271015 |
| H/C DC Power Cable           | WAT271075 |

## ALLIANCE - Alliance 2695

### Vials

|                                                                                                          |            |
|----------------------------------------------------------------------------------------------------------|------------|
| LVI (300 ul insert) 6x29 mm with pre-installed poly plastic spring (100 qty)                             | WAT094170  |
| LVI (150 ul insert (with pre-installed plastic (kim) spring (100 qty)                                    | WAT094171  |
| Polypropylene vial (250 ul) Screw neck (100 qty)                                                         | WAT094172  |
| One step plastic crimp cap and PTFE septa (100 qty)                                                      | 186000328  |
| 12x32 Gls Srw Cap VI w/Bnd pre-slt septa                                                                 | 186000307C |
| 2 ml vial, 12x32 Glass Screw Neck vial with Assy (100 qty) Vial is type 1, class A Neck opening = 7.0 mm | WAT270946C |
| 2ml vial, 12x32 clear glass vial, neck opening mm Glass is type 1, class A, Recommended for GPC          | WAT094219  |
| 2 ml amber glass vial, 6.0 mm opening (100 qty) Type 1 glass, class A                                    | WAT094220  |
| 2ml Vial, 12x32 clear glass vial, 6.0 mm opening (100 qty)                                               | WAT094222  |
| 2 ml amber glass vial, 6.0 mm opening (Qty 100)                                                          | WAT094223  |

### Tubing

|                                                     |           |
|-----------------------------------------------------|-----------|
| Assy, Tubing L. Head - Top Transducer               | WAT270970 |
| SS Tubing, Filter – V1                              | WAT270975 |
| Assy, Tubing - Lower Transducer - Accum Head        | WAT270971 |
| Assy, Tubing Top Transducer Vent Valve              | WAT270972 |
| Assy, Tubing, Vent Left-in Line                     | WAT270974 |
| Assy, Low Flow IGPV-inlet Tubing (.020 SS)          | WAT270976 |
| Assy, High Flow, GPV- inlet Tubing (.040 SS)        | WAT270968 |
| Assy, Standard Flow, GPV-inlet Tubing (.030 SS) BLK | WAT270986 |

## ALLIANCE - Alliance 2695

### Tubing - continued

|                                                                     |           |
|---------------------------------------------------------------------|-----------|
| SS Tubing Primary Head Lower Transducer                             | WAT270978 |
| CU Tubing Helium Tank Sparge Regulator                              | WAT270977 |
| Phase I SS Tubing, red, Seal Pack – Col.                            | WAT270979 |
| Phase II Injectors Assy, PEEK Tubing (red) outlet<br>.005, 20" long | 430000922 |
| Assy, Tubing, Restrictor Loop                                       | 700003725 |
| SS Tubing, Sample Loop, 2 ml                                        | WAT096106 |
| Phase I Tubing Sample Loop (100ul) Std                              | WAT270981 |
| Phase II Tubing Sample Loop (100ul) Std                             | 430001194 |
| Phase I SS Tubing Sample Loop, 200ul                                | WAT045584 |
| Phase II SS Tubing Sample Loop, 200ul                               | 430001630 |
| SS Tubing, Syringe – V2                                             | WAT270983 |
| SS Tubing, Syringe – V3                                             | WAT270984 |
| SS Tubing, V1 – V2                                                  | WAT078565 |
| SS Tubing, Transducer – V2                                          | WAT270985 |
| Assy, Tubing solvent inlet – Sparge                                 | WAT270987 |
| Tubing, Seal Wash PTFE                                              | WAT270988 |
| Assy, Tubing, solvent inlet – Vac. Degas                            | WAT271022 |
| Assy, Tube Vac. Degas - GPV, A                                      | WAT271175 |
| Assy, Tube Vac. Degas GPV, B                                        | WAT271176 |
| Assy, Tube Vac. Degas - GPV, C                                      | WAT271177 |
| Assy, Tube Vac. Degas - GPV, D                                      | WAT271178 |
| Assy Tubing, Sparge Lines                                           | WAT270989 |
| Tubing, TFE 1/16 Clear (25ft)                                       | WAT077043 |
| Tubing, TFE 1/16 Grn (25ft)                                         | WAT077044 |
| Tubing, TFE 1/16 Yellow (25ft)                                      | WAT077040 |
| Tubing Poly, Waste 5/16 x3/16 (10 ft)                               | 700000550 |
| Tray Solvent Btle. Large                                            | WAT271082 |
| ASSY, Sample Loop, 200ul 2695                                       | 430001630 |
| Sample Loop 2ml                                                     | WAT096106 |



## ALLIANCE - Alliance 2695

### Fittings

|                                         |           |
|-----------------------------------------|-----------|
| Ferrule 2 pc, 1/16                      | WAT271023 |
| Screw, Comp, PEEK                       | WAT271024 |
| Ferrule 2 pc, 1/8                       | WAT271027 |
| Screw, Comp., 1/8 PEEK                  | WAT271028 |
| Flangeless Comp Screw 1/8 (PEEK pkg 15) | WAT037372 |
| Union Needle to Loop                    | WAT079003 |
| Reverse Ferrule (yellow)                | WAT037373 |
| Rev Ferrule (25965) (Blue 1/16)         | WAT077058 |
| Flangeless Comp Screw (Blk) 1/16 Tube   | WAT025964 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Assy, Detector Drip Tray 2690            | WAT271040 |
| Assy Fan, Solvent Management Compartment | WAT270909 |
| Assy, Fiber Optics                       | WAT270910 |
| Assy, Motor Linear Actuator              | WAT270912 |
| Drive, Floppy Disk, 3.5 1.44mb           | WAT270922 |
| RS232/BCD Option                         | WAT271200 |
| Door Access, Pump                        | WAT270954 |
| Door Access Solvent                      | WAT270955 |
| Assy, Dust Kit                           | 700002265 |
| Rear Panel with fan                      | 700001060 |
| Terminal Green                           | WAT270868 |
| Kit,Boot Pron,2690, v1.20                | 700004496 |
| Panel, Left Side                         | WAT270956 |
| Panel, Right Side                        | WAT270957 |
| Front Bezel                              | WAT271184 |
| Panel, Top Enclosure                     | WAT270958 |
| Drip Tray Plunger Drive                  | WAT270951 |
| Assy, Carrier, 5 Position                | WAT270945 |
| Assy, Filter                             | WAT035190 |

## ALLIANCE - Alliance 2695

### Miscellaneous - continued

|                              |           |
|------------------------------|-----------|
| Assy, Carousel ID Sensor     | WAT270901 |
| Assy, Carrier dog pin Sensor | WAT270902 |
| C/H door latch Switch        | WAT271059 |
| Kit, Carousels, A-E          | WAT270328 |
| Box, shipping                | WAT270182 |
| Screws, Seal Pack            | WAT270609 |
| 1/8A Micro Fuse              | WAT290145 |
| 5A Micro Fuse                | WAT290197 |
| 7A Micro Fuse                | WAT290188 |
| Z axis guage tool            | 700001022 |
| Z axis RAM Height Guage      | 700001022 |

## ALLIANCE - 2795

### Spare Parts Description

|                                               |           |
|-----------------------------------------------|-----------|
| XYZ Drive Assembly                            | 700000357 |
| Degasser Assembly 2790                        | 700001220 |
| Belt, Y Traverse                              | 700000358 |
| Belt, X Traverse                              | 700000359 |
| Sensor Assy, Y or Z Drive Home                | 700000360 |
| Sensor Assy, X Drive Home                     | 700000361 |
| Sensor Assy, Carrier Lock Pin                 | 700000362 |
| Sensor Assy, Carrier Position Home            | 700000363 |
| CableAssy, Flex, Fluidics PCB to Y Module PBC | 700000364 |
| CableAssy, Flex, Fluidics PCB to Z Module PCB | 700000365 |
| Motor Assy, Carrier Lock Pin Drive            | 700000368 |
| CableAssy, Flex, Z Module PCB to Needle PCB   | 700000366 |
| Motor Assy, Carrier Drive                     | 700000369 |
| Motor Assy, Z Axis Drive                      | 700000370 |
| Motor Assy, Y Axis Drive                      | 700000371 |

## ALLIANCE - 2795

### Spare Parts Description - continued

|                                          |           |
|------------------------------------------|-----------|
| Motor Assy, X Axis Drive                 | 700000372 |
| 2790 Fluidic Driver PCB                  | 700000373 |
| 2790 Membrane Keypad                     | 700000872 |
| PCB Assy, Breakaway XY and Needle Bottom | 700000374 |
| 2790 Bezel, Front Panel                  | 700000375 |
| Side Panel, Left (Same as 2690)          | WAT270956 |
| 2790 Side Panel, Right                   | 700000376 |
| 2790 Top Panel, Cover                    | 700000377 |
| Magnetic Reed Switch                     | 700001475 |
| Carrier Plate Assy, 2790                 | 700000379 |
| Injector, 2790                           | 700000380 |
| Stator Face Srew, Hex                    | WAT072638 |
| Stator, 7 Port, SS Stamped               | 700001666 |
| Housing, Needle Wash Station             | 700000381 |
| Riser, Needle Wash                       | 700000382 |
| Inject Port                              | 700000383 |
| Seat, Inject Port                        | 700000384 |
| Seal, Inject Port Washer                 | 700000385 |
| Retaining Nut, Wash Housing              | 700000386 |
| Drain Elbow, Wash Housing                | 700000387 |
| 2790 Needle w/housing and motor          | 700001321 |
| 2790 Needle                              | 700000389 |
| Needle Wash Pump Solenoid                | 700000390 |
| Wash Valve                               | 700000391 |
| Purge Valve                              | 700000392 |
| Waste Valve                              | 700000393 |
| Bypass Valve                             | 700000394 |
| 2790 Syringe Drive Assy                  | 700000395 |
| Plate Positioning Spring                 | 700001605 |
| Reverse Comp Screw 5/pk                  | WAT005062 |
| Needle Assy                              | 700000388 |

## ALLIANCE - 2795

### Syringes

|                                      |           |
|--------------------------------------|-----------|
| Syringe, 100 ul                      | 700000564 |
| Syringe, 250 ul                      | WAT073109 |
| Syringe, 500 ul (Std)                | 700000565 |
| Syringe, 1000 l                      | 700000611 |
| Syringe, 2500 ul                     | WAT077342 |
| Tube Assy, Wash Valve to Purge Valve | 700000397 |
| Tube Assy, Solvent 1 to Wash Pump    | 700000398 |

### Tubing

|                                               |           |
|-----------------------------------------------|-----------|
| Tube Assy, Inline Filter to Inj               | 700000396 |
| Tube Assy, Wash Valve to Needle Wash Pump     | 700000399 |
| Tube Assy, Purge Valve to Degass Chamber #5   | 700000400 |
| Tube Assy, Purge Solvent to Degass Chamber #5 | 700000401 |
| Tube Assy, Purge Vlv to Syringe               | 700000402 |
| Tube Assy, Injector Port 2to Bypass Valve     | 700000404 |
| Tube Assy, Injector Port 4 to Waste           | 700000405 |
| Tube Assy, Waste Valve to Waste               | 700000406 |
| Tube Assy, red, Injector Port 7 to Column     | 700000409 |
| Tubing, Conv, 9/32"ID, TFE, 48"               | 430000249 |
| Tube, Syringe to Waste Valve                  | 700000403 |
| Tubing, Conv, PTFE, 1/4 ID x 12"              | 700002859 |

### Loops

|                            |           |
|----------------------------|-----------|
| Holding Loop, 128 ul (std) | 700000555 |
| Holding Loop, 500 ul       | 700000556 |
| Holding Loop, 3000 ul      | 700000557 |
| Sample Loop, 5 ul 2790     | 700000558 |
| Sample Loop, 20 ul, 2790   | 700000559 |
| Sample Loop, 100 ul, 2790  | 700000561 |
| Sample Loop, 500 ul, 2790  | 700000562 |
| Sample Loop, 2000ul, 2790  | 700000563 |
| Sample Loop, 50ul (std)    | 700000560 |

## ALLIANCE - 2795

### Miscellaneous

|                                     |           |
|-------------------------------------|-----------|
| 2790 Performance Maintenance Kit    | 201000107 |
| Rotor/Stator, 2790 Injector Rebuild | 201000124 |
| 3/16" Open End Wrench               | 700000610 |
| XYZ Calibration Tool                | 700000986 |

### Column heater Components - First Generation

|                                              |           |
|----------------------------------------------|-----------|
| Door Gasket                                  | 415000713 |
| CableAssy, Thermostat                        | WAT271014 |
| Intrnal C/H Fan Assy                         | WAT270829 |
| C/H Thermistor Probe                         | WAT270821 |
| C/H Heater Coil                              | WAT270685 |
| CableAssy, Door Switch                       | WAT271059 |
| Pre-Heat Plate Assy                          | WAT271064 |
| CableAssy, Internal Column heater Rear Panel | WAT270858 |
| Pre-Heat Tube                                | WAT271074 |
| Shoulder Screw                               | WAT080217 |
| Spring                                       | WAT271054 |
| Column Holder                                | WAT271061 |
| Valve Driver PCB                             | 700001072 |
| 2790 C/H PCB (Internal for all 2790 C/H's)   | 700000426 |

### 2790 C/H 2 Position Reagent (186000267)

|                                       |           |
|---------------------------------------|-----------|
| Rebuild Kit, 2 Pos Regeneration Valve | 700000424 |
| 2 Position Regeneration Valve         | 700000425 |
| Signal Cable(Common to all 3 w/valves | 700000428 |
| Start Up Kit, Regeneration            | 200000110 |

### 2790 C/H 3 Column Select (186000266)

|                              |           |
|------------------------------|-----------|
| Rebuilt Kit, 3 Column Select | 700000431 |
| Pre Heat Tube Assy           | 205000297 |

## ALLIANCE - 2795

### 2790 C/H 3 Column Select (186000266) - continued

|                               |           |
|-------------------------------|-----------|
| 3 Column Select Valve         | 700000432 |
| Start Up Kit, 3 Column Select | 200000109 |
| Restrictor loop               | 700001598 |
| Rebuild Kit, 6 Column Select  | 700000434 |
| 6 Column Select Valve         | 700000435 |
| Start Up Kit, 6 Column Select | 200000111 |
| Mounting stand-off 1/pk       | WAT270649 |

## ALLIANCE - 2796

### Tubing

|                                   |           |
|-----------------------------------|-----------|
| Tubing, outlet to column          | 430000820 |
| Tubing, prime v to Filter         | 430000728 |
| Tubing, Xducer to vent v.         | 430000713 |
| Tubing, acc pump to Top Xducer    | 430000679 |
| Tubing, acc pump to bottom Xducer | 430000681 |
| Tubing, Primary to Xducer         | 430000680 |
| Tubing, Filter to inj valve       | 430000734 |
| Tubing, wash to purge PEEK        | 430000796 |
| Tubing, purge to syringe PEEK     | 430000797 |
| Tubing, syringe to Waste PEEK     | 430000798 |
| Tubing Kit, gpv to degasser PEEK  | 430000741 |
| Tubing, NW pump to wash v PEEK    | 430000822 |

### Sample Loops

|                          |           |
|--------------------------|-----------|
| std loop, 50ul, 2796     | 430000788 |
| sample loop, 20ul, 2796  | 430000787 |
| sample loop, 500ul, 2796 | 430000790 |
| sample loop, 2ml, 2796   | 430000791 |
| sample loop, 10ul, 2796  | 430000786 |

## ALLIANCE - 2796

### Sample Loops - continued

|                           |           |
|---------------------------|-----------|
| sample loop, 100ul, 2796  | 430000789 |
| sample loop, 200ul, 2796  | 430000718 |
| sample loop, 5ul, PEEK    | 430000781 |
| sample loop, 20ul, PEEK   | 430000782 |
| sample loop, 50ul, PEEK   | 430000762 |
| sample loop, 100ul, PEEK  | 430000783 |
| sample loop, 200ul, PEEK  | 430000698 |
| sample loop, 500ul, PEEK  | 430000784 |
| sample loop, 2ml, PEEK    | 430000785 |
| Head Support Plate        | 405001661 |
| plunger Seal, std (Qty 2) | 700002257 |

### Solvent Management

|                                |           |
|--------------------------------|-----------|
| Sealwash, plunger Seal (Qty 4) | 700002258 |
| Check Valve, 2 pkg             | 700002255 |
| housing, Check Valve           | 405001922 |
| Xducer                         | 279000549 |
| housing, Sealwash, Head        | 405001658 |
| sovent inlet lines             | 430000725 |
| PumpHead                       | 405001660 |
| valve, Prime/vent              | 289001074 |
| Assy, Filter                   | 405002117 |
| 2um Filter PEEK                | 415000506 |
| Tubing, gpv to Primary, std    | 430000692 |
| Tubing, GPV to Primary, .020   | 430000814 |
| Tubing, GPVto Primary, .040    | 430000815 |
| Plunger drive Assy             | 700002337 |
| Assy, inject valve             | 279000590 |
| Injector port - Trade In       | 700002343 |
| Housing, Needlewash station    | 700000381 |

## ALLIANCE - 2796

### Solvent Management - continued

|                            |           |
|----------------------------|-----------|
| Tee, syringe PEEK          | 405002112 |
| 2796, Needle, MP-35N       | 700002256 |
| 2796, Assy, Needle, MP-35N | 700002264 |
| 2796, XYZ Drive Assy       | 700002267 |
| 2796, rebuild, Injector    | 425000327 |
| Syringe drive Assy PEEK    | 700002260 |

### Electronics

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| Extended Cable, jumper, injector v                                     | 441000325 |
| Pcb, C/H Interconnect, 2796                                            | 700002271 |
| Cable, interface (441000440 same as in C/H/C also for pH/Cond monitor) | 700002146 |
| keypad                                                                 | 420000115 |

### Eluent Monitor

|                          |           |
|--------------------------|-----------|
| pH/Cond manifold Assy    | 700002430 |
| Cond manifold Assy       | 700002266 |
| pH measurement electrode | 700002268 |
| pH reference electrode   | 700002270 |
| temperature electrode    | 700002316 |
| pH/Cond plugs (2)        | 700002342 |
| Manifold Luer Cap        | 410000979 |
| pcb, pH/Cond Assy        | 700002409 |
| Cable, pH/Cond internal  | 441000414 |
| pcb, pH/Cond rear        | 210000236 |

### Miscellaneous

|                        |           |
|------------------------|-----------|
| Panel, Right Side      | 700002259 |
| wrench, T-27, T-handle | 605000104 |
| clips, holding         | WAT078831 |



## ALLIANCE - 2796

### Miscellaneous - continued

|                                                 |           |
|-------------------------------------------------|-----------|
| latch, access door                              | WAT033119 |
| UNION, PEEK, .020 ID, 10-32 THREADS             | 410000872 |
| 2796, Ferrulle LT-135X, 10pk                    | 410000901 |
| 2796, Fitting, deadend, 5pk PEEK                | 289000341 |
| 2796, Fitting, compression, 1-piece 10-32 PEEK  | 410000890 |
| valve, select, PEEK, 6pos 7port                 | 417000139 |
| Inert 2pos 10port, C/H/C upgrade Kit - Trade In | 700002261 |
| Cable, multi-CSV                                | 441000459 |
| BPR, 500PSI                                     | 700002469 |
| clip adapters (for Glass Columns)               | 700002446 |

## ALLIANCE - COLUMN/HEATER COOLER

### 2nd Generation Column Heater

|                                      |           |
|--------------------------------------|-----------|
| Assy, PCB C/H/C & C/H                | 700002137 |
| P/S heater/cooler                    | 700002138 |
| engine, heater/cooler                | 700002139 |
| Rail, Column Support                 | 405001728 |
| Standoff, Exterior Mounting          | WAT270649 |
| Thermistor                           | WAT270821 |
| Drip Tray Valve                      | 700002140 |
| Door Gasket                          | 415000713 |
| Power Supply Module                  | WAS207063 |
| Fitting, 1/4 Barbed to 1/8-27 NPT    | 415000221 |
| FAN, EXTERNAL 24VDC                  | 700005104 |
| Column Clip, 4/pk                    | 700002143 |
| ASSY,CABLE,AC SWITCH TO POWER SUPPLY | 700001226 |
| ASSY,CABLE,AC POWER ENTRY TO SWITCH  | 700001227 |
| CableAssy, Encoder Extender          | 441000403 |
| CableAssy, Motor Extender            | 441000404 |

## ALLIANCE - COLUMN/HEATER COOLER

### 2nd Generation Column Heater - continued

|                                      |           |
|--------------------------------------|-----------|
| Cable, Thermostat                    | 441000405 |
| CableDC to Heater Cooler             | 441000416 |
| CableAssy, Door Switch               | WAT271059 |
| Gasket, ColHtr Door w/ cutout        | 415000713 |
| Column Drip Tray                     | 415000360 |
| Plate, Column Mounting               | 400000893 |
| Heater Coil C/H                      | 700002144 |
| Jumper Assy, Heater C/H              | 441000419 |
| CableAssy, Heater Coil C/H           | 441000421 |
| Fan, Internal, long Cable connection | 700002145 |
| Interface Cable                      | 700002146 |
| Start up Kit, Column heater          | 200000181 |
| Start up Kit, Column heater/cooler   | 200000184 |
| 3 Column Select Valve Kit            | 205000162 |
| Rebuild Kit, 3 Column Select Valve   | 700000431 |
| Valve, 3 Column Select               | 700000432 |
| 2 Position Valves Kit                | 205000163 |
| Rebuild Kit, 2 Position Valve        | 700000424 |
| Valve, 2 Position                    | 700000425 |
| 6 Column Select Valve Kit            | 205000164 |
| Rebuild Kit, 6 Column Select Valve   | 700000434 |
| Valve, 6 Column Select               | 700000435 |

## ALLIANCE - 2695D

### Uni Probe: Hanson

|                          |           |
|--------------------------|-----------|
| S/U Kit: 6 or 8 Needle   | 200271886 |
| PM Kit 8 Needle          | 700000201 |
| Universal Uniprobe Kit8  | 725000122 |
| Universal Uniprobe Kit 6 | 725000123 |
| Uniprobe Kit 8 (Vankel)  | 725000124 |

## ALLIANCE - 2695D

### Uni Probe: Hanson - continued

|                               |           |
|-------------------------------|-----------|
| Uniprobe Kit 6 (Vankel)       | 725000125 |
| Universal Uniprobe spare      | 700000242 |
| Cover, Uniprobe Hanson        | 700000243 |
| Cover, Uniprobe (Vankel)      | 700000244 |
| Plug, adapter Knob            | 700000245 |
| Female adapter                | 700000246 |
| Male adapter                  | 700000247 |
| O-Ring                        | 700000248 |
| Gelman Glass Filter 25 mm1 ul | WAT200818 |
| Tefzel Com Scr 5/Pk           | WAT037372 |
| Tefzel Ferrule 5/Pk           | WAT037373 |
| Comp. Screw 1/16S.S>          | WAT025964 |
| Ferrule 1/16                  | WAT077058 |

### Dispenser: Waters

|                                     |           |
|-------------------------------------|-----------|
| Cable& Sensor Diss. Home            | 700000189 |
| Lienar Actuator, Motor & Lead Screw | 700000190 |
| Cartridge, complete 1               | 700000191 |
| Screw, retainer bottom              | 700000192 |
| Screw, retainer Top                 | 700000193 |
| Washer, large SS (8 pkg)            | 700000194 |
| EPDM o-ring (20 pkg)                | 700000195 |
| Dispenser, Needle                   | 700000196 |
| Ferrule PEEK                        | WAT021817 |
| Disp. Assy 6                        | 700000250 |
| Disp. Assy 8                        | 700000251 |
| Comp, Screw PEEK                    | WAT021815 |
| Fittings Kit:                       | 700000197 |
| Height Tool                         | 700000198 |
| Valve Wrench (comp nut knurl)       | 700000199 |
| Tubing Kit                          | 700000200 |

## ALLIANCE - 2695D

### Dispenser: Waters

|                                               |            |
|-----------------------------------------------|------------|
| Cable, 2690/TM COM1                           | 441000144  |
| 12x32 Glass Srw Cap Valve w/Bnd pre-slt septa | 186000307C |
| Pre-slit Septa                                | WAT058876  |
| Uniprobe Check Valve                          | 700000263  |

### Waters Transfer Module

|                                       |             |
|---------------------------------------|-------------|
| TM Main Drive Bd Complete             | 700000202   |
| TM Back Panel                         | 700000206   |
| Nut Plate                             | 700000208   |
| Valve Screw, bottom & back 4-40 x 3/8 | 700000209   |
| Valve Screw, panHead                  | 700000210   |
| Angle Syringe Mount                   | 700000211   |
| PS 24V                                | 700000217   |
| Motor Assy                            | 700000218   |
| Vlvs, Manifold, Tubing & Bracket      | 700000221   |
| Power Switch                          | 700000225   |
| Fuse 3.0 amp                          | 700000257   |
| TM Power Cord                         | 700000264   |
| Dis. Samp Transf Mod QWBK Doc Set     | 71550010301 |

### Tubing

|                              |           |
|------------------------------|-----------|
| Tubing Kit 30" (single bath) | 430000131 |
| Tubing Kit 60" (dual bath)   | 430000130 |
| 2690D tube kit, 8 Needle     | 700000200 |

## INJECTORS - 717+ Auto Injector

### Electrical Assemblies

|                                                         |           |
|---------------------------------------------------------|-----------|
| 717+CPU w. Rev. 3.1 software (Set JP6 to 717E Position) | WAT055702 |
| 717 UPGRADE KIT                                         | 205000568 |

## INJECTORS - 717+ Auto Injector

### Electrical Assemblies - continued

|                                 |           |
|---------------------------------|-----------|
| Display LCD                     | WAT025894 |
| Power Supply                    | 700001663 |
| Strain Gauge Xducer Assy        | WAT045400 |
| Fan 2", 12V H/C Coldsink        | WAT078529 |
| Fan 5", 24V H/C Heatsink        | WAT078534 |
| Rear Fan Kit Assy, 3", Internal | WAT078845 |
| Battery, Lithium                | WAT080443 |
| 717+ Transition Board           | WAT025896 |

### Cable/Sensor Assemblies

|                           |           |
|---------------------------|-----------|
| CableAssy, F/P to CPU     | WAT078786 |
| CableAssy, Xducer         | WAT078766 |
| CableAssy, Door Switch    | WAT078779 |
| Carriage Sensor w/Bracket | WAT078847 |
| Injector Sensor w/Bracket | WAT078846 |
| Carriage Reader Assy      | WAT078584 |
| Thermistor Probe          | WAT078574 |

### Fluid Assemblies/Parts

|                         |           |
|-------------------------|-----------|
| LP Valve Rebuild Kit    | WAT045436 |
| LP Valve Shaft          | WAT045272 |
| HP Valve Assy           | WAT045438 |
| HPMV Rebuild Kit        | WAT045424 |
| HPMV Tool Kit           | WAT045427 |
| Wash Pump Assy          | WAT078979 |
| V4, Solenoid Valve Assy | WAT078800 |
| Injector Assy           | WAT078949 |
| Injector Shroud         | WAT049688 |
| Syringe Drive Assy      | 700000239 |
| Syringe 250ul           | WAT073109 |

## INJECTORS - 717+ Auto Injector

### Fluid Assemblies/Parts - continued

|                               |           |
|-------------------------------|-----------|
| Seal Pack Repl. Kit           | WAT045559 |
| V3 Solenoid                   | WAT025892 |
| V3 Solenoid & Bracket Assy    | WAT025893 |
| LCD / Transition Cable        | WAT026241 |
| Tube Assy, V2 to Syringe      | WAT078567 |
| Tube Assy, V2 to Xducer       | WAT078568 |
| Tube Assy, Xducer to SPL      | WAT078571 |
| Pump inlet Tube               | WAT045418 |
| Tube Assy Outlet to Column    | WAT072215 |
| Tube Assy, V3 to Syringe      | WAT078569 |
| Tube Assy, Tube to Waste      | WAT044873 |
| Sample Loop                   | WAT045584 |
| Restrictor Loop               | WAT078824 |
| Seal Pack out Tube            | WAT045310 |
| Performance Plus Needle       | 700001247 |
| Nut Fitting 01 x 05 Hex (5pk) | WAT005062 |

### Vial Parts

|                                                          |            |
|----------------------------------------------------------|------------|
| Glear Glass Vials/Caps 4ml 100pk                         | WAT025051  |
| Vial 3ml, plastic w/ snap-on caps, 100 pk                | 186004031  |
| Amber Glass Vials/Caps 4ml 100pk                         | WAT025050  |
| Clear Glass Vials/Caps 1ml 250pk                         | WAT025054C |
| 700ul Plastic Vial, Conical, 96pk                        | WAT022476  |
| LVI for 4ml Scr Cap Vial, Round Bottom                   | WAT015199  |
| 1ml Shell Vial Glass w/Caps Instld, 500pk                | WAT022479  |
| Caps, 250/ PKLVI for 4ml Scr Cap Vial, Glass, Pull Point | WAT072704  |

## INJECTORS - 717+ Auto Injector

### Mechanical Assemblies

|                       |           |
|-----------------------|-----------|
| Cooler/Heater Assy    | WAT078563 |
| 717 H/C Repair Kit    | WAT080104 |
| Carriage Drive Assy   | WAT078933 |
| Carriage Drive Shroud | WAT049685 |
| Latches (H/C)         | WAT010135 |
| Vial Striper          | WAT045482 |

### Other Replacement Parts

|                                                |           |
|------------------------------------------------|-----------|
| Startup Kit, 717+                              | WAT070981 |
| Front Door Assy                                | WAT078936 |
| Feet                                           | WAT036017 |
| Syringe Door                                   | WAT078910 |
| Top Cover                                      | WAT078937 |
| 48 Vial Carousel                               | WAT078723 |
| 96 Vial Carousel                               | WAT078727 |
| BCD Option                                     | WAT271200 |
| Rear Terminal Strip                            | WAT078793 |
| 717 to 717+ Upgrade Kit Rev 3.1 2 EPROM, 1 RAM | WAT078880 |
| 717+ 2 Prom Kit, Rev 3.1                       | WAT024778 |
| 717+ 1 Prom Kit, Rev 3.1                       | WAT024792 |
| 717+ Bezel Assy                                | WAT025891 |
| 717+ Membrane Keypad (gray)                    | WAT026402 |
| Ring Stripper                                  | WAT078997 |
| Injector Needle, Union                         | WAT079003 |

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| Std Volume Inert Tubing Kit           | WAT055872 |
| Low Volume Intert Tubing Kit          | WAT055858 |
| Low Volume Stainless Steel Tubing Kit | WAT055886 |

## INJECTORS - 717+ Auto Injector

### Tubing - continued

|                             |           |
|-----------------------------|-----------|
| .125a Fuse                  | WAT040310 |
| Syringe Clamp               | WAT072055 |
| Inert Inline Filters (10pk) | WAT038806 |
| 2ml Sample Loop             | WAT096106 |
| 2.5ml Syringe               | WAT077342 |
| Union                       | WAT097332 |

## INJECTORS - 2707

### Prep Kit

|                                 |           |
|---------------------------------|-----------|
| Prep Kit                        | 205000550 |
| Needle Assy, 60 uL, Prep        | 700004085 |
| AIR NEEDLE, 50mm, YELLOW        | 700003921 |
| BUFFER TUBING 2000ul            | 700004151 |
| SYRINGE, 2500 uL                | 700003920 |
| Injector Valve, Prep, Valco     | 700004084 |
| ROTOR SEAL for PREP VALCO VALVE | 700005097 |
| STATOR for PREP VALCO VALVE     | 700005098 |
| Sample Loop, 10 mL Prep         | 700004086 |
| Vial Holder Tray, 12 pos. 10ml  | 700004082 |
| Prep Vials                      | 186001420 |
| Prep Vial caps                  | 186001421 |
| Prep Vial Septa                 | 186001422 |

### Bio Kit

|                            |           |
|----------------------------|-----------|
| Bio Kit                    | 205000564 |
| NEEDLE ASSY, BIO, 15ul     | 700003843 |
| NEEDLE, AIR, 62mm, NATURAL | 700003833 |
| TUBING, BUFFER, 1000uL     | 700003847 |
| SYRINGE, 500UL             | 700000862 |



## INJECTORS - 2707

### Bio Kit - continued

|                                       |           |
|---------------------------------------|-----------|
| SYRINGE PLUNGER TIP - 500uL (1PK)     | 700005792 |
| Injector Valve, Bio-Compatible, Valco | 700004083 |
| ROTOR SEAL for BIO COMPATIBLE VALVE   | 700005099 |
| STATOR for BIO COMPATIBLE VALVE       | 700005100 |
| Sample Loop Bio Compatible, 10 uL     | 700004088 |
| Sample Loop Bio Compatible, 20 uL     | 700004089 |
| Sample Loop Bio Compatible, 200 uL    | 700004091 |
| Sample Loop Bio Compatible, 1000 uL   | 700004096 |
| Sample Loop, Bio Compatible, 50 uL    | 700004090 |

### Analytical

|                                |           |
|--------------------------------|-----------|
| 2707 PM KIT, Analytical        | 201000196 |
| NEEDLE ASSY, STD, 15ul         | 700003842 |
| NEEDLE, AIR, 62mm, NATURAL     | 700003833 |
| TUBING, BUFFER, 1000uL         | 700003847 |
| SYRINGE, 500UL                 | 700000862 |
| ROTOR SEAL, Analytical         | 700003851 |
| Stator, Analytical             | 700003852 |
| INJECTOR VALVE, SS W/ FITTINGS | 700003850 |
| SAMPLE LOOP, 5uL, SS           | 700000683 |
| SAMPLE LOOP, 10uL, SS          | 700003872 |
| SAMPLE LOOP, 50uL, SS          | 700003928 |
| SAMPLE LOOP, 100uL, SS         | 700000685 |
| SAMPLE LOOP, 200ul, SS         | 700000681 |
| SAMPLE LOOP, 500ul, SS         | 700000682 |
| SAMPLE LOOP, 1000ul, SS        | 700003926 |
| SAMPLE LOOP, 2000ul, SS        | 700004087 |
| SAMPLE LOOP, 5000ul, SS        | 700004609 |

## INJECTORS - 2707

### Common Parts

|                                    |           |
|------------------------------------|-----------|
| SYRINGE VALVE                      | 700003846 |
| AIR NEEDLE, 50mm, YELLOW           | 700003921 |
| AIR NEEDLE, 56mm, RED              | 700003922 |
| AIR NEEDLE, 62MM, NATURAL, (STD)   | 700003833 |
| AIR NEEDLE, 68mm, BLUE             | 700003923 |
| AIR NEEDLE, 74mm, GREEN            | 700003924 |
| AIR NEEDLE, 80mm, BLACK            | 700003925 |
| LOCK NUT, AIR NEEDLE               | 700003932 |
| O-RING, AIR NEEDLE                 | 700003966 |
| Bottle, wash solvent, 250ML, glass | 700004063 |
| ADAPTER, SQUARE WASH BOTTLE        | 700004064 |
| WASH STATION W/ SCREWS             | 700003845 |
| WASH POSITION PLATE                | 700003946 |
| DRIP TRAY, INJECTOR                | 700003948 |

### Tubing and Fittings

|                                      |           |
|--------------------------------------|-----------|
| ASSY, TUBE, COLUMN OUTLET            | 430001925 |
| ASSY, TUBE, PUMP INLET, .030 ID      | 430002067 |
| TUBING, BUFFER, 1000UL               | 700003847 |
| TUBING, BUFFER, 2000UL, prep         | 700004151 |
| ASSY, TUBING, WASTE LINE, PKG OF TWO | 430001996 |
| Air tubing, 1M                       | 700004097 |
| T , air tubing connector             | 700004098 |
| SYRINGE VAVLE waste/wash tube        | 700004004 |
| FERRULE, VALCO, 10/PK                | 700003834 |
| COMPRESSION SCREW, 10/PK             | 700003835 |
| FERRULE, FLANGELESS, 1/8"            | 700003977 |
| NUT, FLANGELESS, 1/8" PEEK           | 700003976 |
| FERRULE, PEEK W/SS LOCK RING         | 410000763 |

## INJECTORS - 2707

### Major Assemblies

|                               |           |
|-------------------------------|-----------|
| NEEDLE MODULE ASSEMBLY        | 700003840 |
| INJ VALVE DRIVE ASSY. W/O INJ | 700003838 |
| Syringe drive assembly        | 700003839 |
| TRAY DRIVE ASSEMBLY           | 700003841 |
| COOLER ASSEMBLY               | 700003859 |

### Electronics

|                                    |           |
|------------------------------------|-----------|
| PCB, MAIN BOARD                    | 700003849 |
| PCB, COOLER                        | 700003844 |
| POWER SUPPLY, 200W-24V             | 700003860 |
| OPTICAL SENSOR, 2707               | 700003861 |
| FUSE, 2.5 AMP                      | 700003863 |
| FUSE 5A                            | 700004044 |
| CABLE ASSY, INJ VALVE DRIVE        | 700003962 |
| CABLE ASSY, NEEDLE MODULE          | 700003958 |
| CABLE ASSY, SAMPLE TRAY            | 700003960 |
| CABLE ASSY, SYRINGE DRIVE          | 700003961 |
| CABLE ASSY, SYRINGE VALVE          | 700003959 |
| CABLE, I/O, 2707 AUTOSAMPLER       | 441000874 |
| STEPPER MOTOR, NEEDLE              | 700003975 |
| STEPPER MOTOR, SAMPLE TRAY         | 700003972 |
| STEPPER MOTOR, SYRINGE / INJ VALVE | 700003974 |
| STEPPER MOTOR, SYRINGE DRIVE       | 700003973 |
| AIR PUMP                           | 700003837 |
| LIGHT PIPE, FRONT PAENL            | 700003971 |
| MAINS INLET AND FUSE HOLDER        | 700003970 |

## INJECTORS - 2707

### Belts and Pulleys

|                                                           |           |
|-----------------------------------------------------------|-----------|
| BELT, 824 MXL 012, Needle Lead Screw Serial# < G10707021Z | 700003857 |
| Belt, Needle Lead Screw Serial# > G10707021Z              | 700005086 |
| BELT, 840 MXL 025, NEEDLE SPLINE                          | 700003856 |
| BELT, PLUNGER DRIVE                                       | 700003854 |
| BELT, SAMPLE TRAY                                         | 700003853 |
| BELT, SYRINGE VALVE                                       | 700000660 |
| PULLEY, NEEDLE LEAD SCREW                                 | 700003935 |
| PULLEY, SAMPLE TRAY MOTOR                                 | 700003965 |
| PULLEY, SPLINE SHAFT                                      | 700003934 |
| PULLEY, SYRINGE VAVLE                                     | 700003938 |
| PULLEY, Valve, Plunger & Needle Motors                    | 700003964 |
| PULLEY, PLUNGER DRIVE                                     | 700003940 |
| SET SCREW, LEAD SCREW PULLEY                              | 700003978 |
| SET SCREW, PULLEY                                         | 700003979 |
| SET SCREW, SPLINE PULLEY                                  | 700004009 |
| Set Screw, Needle Motor Pulleys                           | 700004005 |

### Covers and Panels

|                             |           |
|-----------------------------|-----------|
| COOLING SAMPLE COVER ASSY   | 700003957 |
| Front Door & Bezel Assembly | 700004074 |
| SWING DOOR ASSY, DOOR ONLY  | 700003950 |
| FINGER SNAPS, FRONT BEZEL   | 700003951 |
| PANEL, FRONT BOTTOM         | 700003949 |
| PANEL, LEFT                 | 700003953 |
| PANEL, REAR                 | 700003956 |
| PANEL, RIGHT                | 700003954 |
| PANEL, TOP                  | 700003952 |

## INJECTORS - 2707

### Miscellaneous

|                               |           |
|-------------------------------|-----------|
| Start Up Kit                  | 200000242 |
| 2707 PM KIT, Analytical       | 201000196 |
| TOOL, NEEDLE STRIPPER         | 415001026 |
| Assy, Box, 2707, with inserts | 290001027 |
| VALVE SENSOR HOOD             | 700003937 |
| COLUMN HOOK                   | 700003947 |
| DRAIN CHANNEL, CLEAR          | 700003944 |
| FOOT                          | 700003963 |
| HOME FLOG, SYRINGE            | 700003939 |
| INSULATION, BOTTOM            | 700003942 |
| INSULATION, TOP               | 700003943 |
| MOTOR INSULATION COVER        | 700003936 |
| SEAL, H/C FOAM                | 700003941 |
| STRIPPER SPRING, LARGE        | 700003967 |
| STRIPPER SPRING, SMALL        | 700003968 |
| PLUNGER MOUNTING SPACER/NUT   | 700003929 |
| PLUNGER MOUNTING SPRING/CLIP  | 700003931 |
| PLUNGER SCREW                 | 700003930 |
| BRACKET, STRIPPER SPRING, TOP | 700003933 |
| MOUNTING CLIP, FRONT GLASS    | 700003982 |

## INJECTORS - Rheodyne

### Rheodyne PM KITS

|              |           |
|--------------|-----------|
| 3725 PM Kit  | 201000116 |
| 7010 PM Kit  | 201000117 |
| 7125 PM Kit  | 201000118 |
| 7725 PM Kit  | 201000119 |
| 8125 PM Kit  | 201000120 |
| 9125 PM Kit  | 201000121 |
| 7750E PM Kit | 201000122 |

## INJECTORS - Rheodyne

### Rheodyne PM KITS - continued

|               |           |
|---------------|-----------|
| RV 102 PM Kit | 201000124 |
| 25 ul         | WAT033381 |
| 50 ul         | WAT033382 |
| 100 ul        | WAT033383 |

### Rheodyne Syringes

|        |           |
|--------|-----------|
| 10 ul  | WAT033380 |
| 500 ul | WAT033385 |

### Rheodyne Needles

|                               |           |
|-------------------------------|-----------|
| 10 ul - 100 ul Syringes, 3pk  | WAT033386 |
| 250 ul & 500 ul Syringes, 3pk | WAT033387 |
| Needle Leur 22AWB (.016 ID)   | WAT052256 |
| Needle Leur 22AWG (.006 ID)   | WAT033388 |
| Needle Leur 16 GA, SST        | 600000111 |

### Model 7010

|                                |           |
|--------------------------------|-----------|
| Injector Rheodyne 3725i-119    | WAT073571 |
| Rheodyne 7010 Loop Filler Port | WAT007016 |

### Other Replacement Parts

|                            |           |
|----------------------------|-----------|
| Ferrules, 10pk             | WAT005058 |
| Extra Long Comp Screw, 1   | WAT060051 |
| Long Comp Screw, 10pk      | WAT005060 |
| Short Comp Screw, 10pk     | WAT005059 |
| Tefzel Rotor Seal          | WAT037488 |
| Needle Port Fitting, Luer  | WAT082749 |
| Loop Filler Port           | WAT007016 |
| Plastic Syringe, 1ml, Luer | WAT033371 |
| Magnetic Swtch Cbl Assy    | WAT089365 |
| LabPro & EV Power Supply   | 700002729 |

## INJECTORS - Rheodyne

### Other Replacement Parts - continued

|                               |           |
|-------------------------------|-----------|
| Tefzel Rotor Seal             | WAT015781 |
| Vespel Rotor Seal Std.        | WAT055946 |
| Needle Port Cleaner           | WAT089384 |
| Rotor Seal, Vespel Std. 7125I | WAT055946 |
| Rotor Seal, Tefzel            | WAT015781 |
| Stator Face                   | WAT055947 |
| Ferrulle 1/16 PEEK            | WAT021817 |
| Long Comp Screw, 10pk         | WAT021812 |
| Short Comp Screw, 10pk        | WAT021815 |
| 3725i Adaptor 1/8-1/16        | WAT073574 |
| Isolation Seal                | WAT055948 |
| RS232 Cable                   | 700001628 |

### Sample Loops for 7010 & 7125

|        |           |
|--------|-----------|
| 5 ul   | WAT096223 |
| 10 ul  | WAT007041 |
| 20 ul  | WAT096224 |
| 50 ul  | WAT096225 |
| 100 ul | WAT096226 |

### Model 7725I

|                             |           |
|-----------------------------|-----------|
| Rheodyne. Injector, 7725I   | WAT055840 |
| 600 Installation Kit w/Inj. | WAT024838 |

### Model 9125 - Sample Loops

|        |           |
|--------|-----------|
| 5ul    | WAT034-01 |
| 10 ul  | WAT034-02 |
| 20 ul  | WAT034-03 |
| 50 ul  | WAT034-04 |
| 100 ul | WAT034-05 |
| 200 ul | WAT034-06 |
| 500 ul | WAT034-07 |

## INJECTORS - Rheodyne

### Lab Pro PM KITS

|                                            |           |
|--------------------------------------------|-----------|
| Solvent Select PM Kit (6 position, 7 port) | 417000104 |
| 3 Col. Rebuild kit(3 position, 8 port)     | 700000431 |
| 6 Col. Rebuild kit (6 position, 14 port)   | 700000434 |
| 2 col. PM Kit (2 position, 6 port)         | 417000107 |
| 10 SSV PM Kit (10 position, 11 port)       | 417000109 |

## CONTROLLERS - Temperature Control Module

### Replacement Parts

|                              |           |
|------------------------------|-----------|
| CPU Board                    | WAT038170 |
| IEEE Update                  | WAT038194 |
| ON/OFF Switch                | WAT023220 |
| 10 Ext. Cable                | WAT038131 |
| Fuse, 1A (5Pkg.)             | WAT005064 |
| TCM Prom v2.1                | WAT038213 |
| TCM2                         | 186002441 |
| Personality PCB/ TCM         | 700002472 |
| Keypad, TCM                  | 700002474 |
| LC Mod, 93X70mm EL Backlight | 700001114 |
| Bezel Assy, TCM              | 700002515 |

### Common parts for PCM2/TCM2

|                       |           |
|-----------------------|-----------|
| CableAssy, AC -Switch | 441000467 |
| CableAssy, DC power   | 441000468 |
| CableAssy, Switch P/S | 441000469 |
| Power Supply          | WAS081266 |
| Power Switch          | WAT055722 |
| POwner Entry Module   | WAS207063 |
| Event Cable, shielded | WAT048918 |



## CHM - COLUMN HEATER MODULE

### Replacement Parts

|                           |           |
|---------------------------|-----------|
| Column Htr Ext. Cord, 10' | WAT038131 |
| inlet Tubing Pc.          | WAT038159 |
| Silicon Gasket            | WAT043094 |
| Solid State Relay         | WAT070278 |
| Platinum RTD              | WAT038079 |
| Fuse, 2.5A                | WAT072919 |
| CHM Latch                 | WAT010135 |

### Column heater Blocks - Old Column Design

|                      |           |
|----------------------|-----------|
| 4 mm x 25 cm columns | WAT038122 |
| 4 mm x 30 cm columns | WAT038123 |
| 8 mm x 25 cm columns | WAT038124 |
| 8 mm x 30 cm columns | WAT038125 |
| 7 mm x 30 cm columns | WAT038126 |

### New Column Design

|                                              |           |
|----------------------------------------------|-----------|
| Column heater Insets 4 mm x 15 cm columns    | WAT019886 |
| C Column heater Inserts 4 mm x 30 cm columns | WAT019887 |

## WATERS IN-LINE DEGASSER

### Phase I & II

|                                |           |
|--------------------------------|-----------|
| Vacuum Chamber                 | 700001218 |
| Vacuum Pump                    | 700001352 |
| Control Board                  | 700001351 |
| Vacuum Manifold Tube Assy      | 700001333 |
| LED, Multi-colored             | 700001353 |
| Cable Assy, Vacuum Pump        | 700001775 |
| Compression Screw, Tefzel 5/pk | WAT037372 |
| Ferrule Tefzel 5/pk            | WAT037373 |
| 1/8 Barb Fitting back panel    | WAT079767 |
| Tygon Tubing, 2 ft             | WAT079794 |

## WATERS IN-LINE DEGASSER

### Phase II

|                                    |           |
|------------------------------------|-----------|
| Cover, Degasser                    | 700001717 |
| CableAssy, DC to PCB               | 700001718 |
| CableAssy, AC to PS                | 700001719 |
| CableAssy, Ground                  | 700001720 |
| Bezel Assy                         | 700001721 |
| Power Supply                       | 700001722 |
| Power Switch / Receptacle Assembly | 700001774 |
| Barbed Plug, 1/8 ID                | 700001776 |
| Barbed Tee, 1/8 ID                 | 700001777 |
| Prep vacuum chamber                | 700002519 |
| Prep vacuum pump                   | 700002520 |
| ASSY, PCB, DEGASSER AF             | 700001351 |
| TUBE .149X.119X48 TEFLON           | WAT055109 |

## DETECTORS - 2410

### Electrical

|                           |           |
|---------------------------|-----------|
| Spare, Keypad Assy        | 700000130 |
| Spare, CPU Assy           | 700000134 |
| Power Dist. PCB           | 700000173 |
| Fan, 12 VDC               | WAT070224 |
| Low Volt. Power Supply    | WAS081266 |
| Heater Element W/Plate    | 700000171 |
| Resist, Probe Thermometer | 700000170 |
| Fan, Elec 24VDC           | WAS207065 |
| Thermal Snap Switch       | 700000172 |
| Fuse Fast-Blo 2.0A 250V   | WAT163-14 |

### Cables

|                         |           |
|-------------------------|-----------|
| Spare CablePS to Switch | 700000132 |
| Spare CablePower PCB    | 700000131 |

## DETECTORS - 2410

### Cables - continued

|                          |           |
|--------------------------|-----------|
| Spare CableHeater        | 700000128 |
| Spare CablePCB to Power  | 700000129 |
| Spare CableFront Panel   | 700000126 |
| Spare CableAC Mod. To PS | 700000127 |

### Mechanical

|                          |           |
|--------------------------|-----------|
| Spare, Manifold Assembly | 700000133 |
| Relief Valve             | WAT070377 |
| Solenoid Valve           | WAT070376 |
| Colimating Lens          | WAT070146 |
| Mirror                   | WAT031008 |
| Start-up Kit             | 200000104 |
| Rear I/O connector       | WAT270868 |

### Optical

|                          |           |
|--------------------------|-----------|
| Counter Current Heat Ex  | WAT070220 |
| Optics Bench Assy        | WAT070124 |
| Flow Cell Assy w/End cap | WAT070195 |
| LED Assembly             | WAT070323 |
| Photodiode Assembly      | WAT070230 |

## DETECTORS - 2414

### Electronics

|                               |           |
|-------------------------------|-----------|
| Keypad                        | 700004616 |
| LCD Display                   | 700001114 |
| Personality PCB               | 700001115 |
| CPU PCB                       | 700005763 |
| 3V Battery for CPU            | WAT080443 |
| 3.0 V Battery, older CPU 2000 | 700001834 |
| Front End Amp PCB             | 700001116 |
| Low Voltage Power Supply      | WAS081266 |

## DETECTORS - 2414

### Optics and Oven Items

|                                                |           |
|------------------------------------------------|-----------|
| Optics Bench Assy                              | 700001177 |
| Temperature RTD sensor                         | 700001172 |
| Photodiode                                     | 700001112 |
| LED                                            | 700001174 |
| Heater Element                                 | 700001175 |
| Gasket, Heater Plate                           | 700001690 |
| Thermal Snap Switch for heater                 | 700000172 |
| Assy, End Cap Heat Exchanger (incl. flow cell) | 700001178 |
| Insulation kit for end cap heat exchanger      | 700001685 |
| Counter Current Heat Exchanger                 | 700001179 |
| Gasket, CCHE Tray                              | 700001691 |
| Internal Spill Guide                           | 700001692 |
| Internal Drip Tray                             | 700001693 |
| Union, .020                                    | WAT097332 |
| Union, .040                                    | WAT089801 |

### Inert Valve Configuration

|                                        |           |
|----------------------------------------|-----------|
| 2414 Valve upgrade Kit                 | 700002670 |
| 2-Way Solenoid Purge Valve             | 700002360 |
| Pressure Relief Valve                  | 700002361 |
| 3-Way Recycle Valve                    | 700002362 |
| Tubing, Union to Relief Valve          | 700002363 |
| Tubing, Union to Purge Valve           | 700002364 |
| Tubing Assy (blue sleeved)             | 700002377 |
| Tubing, 2-Way valve to 3-Way Valve     | 700002378 |
| Sample inlet tubing, red, insulated    | 700001710 |
| Teflon insulator sleeve for inlet tube | 700002859 |

## DETECTORS - 2414

### Cables

|                                        |           |
|----------------------------------------|-----------|
| 2414 CPU to Front Panel Cable          | 700001188 |
| ASSY, CABLE, DC POWER                  | 700001104 |
| Cable, Photodiode to Front End Amp PCB | 700002481 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| 2414 Start Up Kit         | 200000129 |
| IO Connector, 13 position | 700002054 |
| Rear Main Fan             | WAS207065 |
| AC inlet Module           | WAS207063 |
| Top Cover                 | WAS053926 |
| Front bezel               | WAT054130 |
| Front door                | 700001631 |
| 2414' label               | 615002106 |
| Detector feet             | 700005764 |
| Tee, .040                 | WAT075215 |

### Service Tools

|                             |           |
|-----------------------------|-----------|
| Temperature Monitoring Tool | 700001890 |
| Optics Simulator Box        | 700001920 |

### Tubing spares for original stainless steel valves

|                                                          |           |
|----------------------------------------------------------|-----------|
| Tubing assembly Solenoid valve to manifold for SS valves | 700001687 |
| Tubing assembly manifold to Relief Valve for SS valves   | 700001688 |
| Valve to Waste Tube                                      | WAT053956 |

## DETECTORS - 2420

### Boards

|                               |           |
|-------------------------------|-----------|
| 2420 Personality Board        | 700002371 |
| Front End Amplifier Board     | 700001470 |
| CPU PCB                       | 700005763 |
| 3V Battery for CPU            | WAT080443 |
| 3.0 V Battery, older CPU 2000 | 700001834 |
| KEYPAD, DETECTOR, 2424        | 700004618 |
| DC Power Supply 130W          | 279000669 |

### Optics and Oven Components

|                                                     |           |
|-----------------------------------------------------|-----------|
| PM Kit                                              | 201000159 |
| Desolvation Oven No Sheath Flow, SN D04 or Less     | 700002374 |
| Desolvation Oven with Sheath Flow, SN D04 or Higher | 700002976 |
| Condensor Lens                                      | 402000183 |
| Relay Lens                                          | 402000184 |
| Collector Lens                                      | 402000185 |
| M1 mirror                                           | 402000187 |
| Photodiode Assembly                                 | 700002375 |
| Optics Bench Assembly                               | 700002803 |
| Photomultiplier Tube                                | 402000182 |
| Optics Thermistor Assembly                          | 700002853 |
| Exhaust Cap Heater                                  | 700002849 |

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| Tubing nebulizer to Pnuematics 22 in. | 700002792 |
| Exhaust Hose 5 ft.                    | 700002682 |
| Convolutd Tubing 72 inches            | 430001556 |
| Bottle Trap Assembly                  | 700002682 |
| Waste Tubing                          | 700002533 |

## DETECTORS - 2420

### Cables

|                                 |           |
|---------------------------------|-----------|
| CableDC Supply to Personality   | 441000439 |
| CableAC inlet to DC supply      | 441000395 |
| CableLamp to Personality board  | 441000386 |
| 10 FT. Ethernet Crossover Cable | 700003423 |
| nebulizer quick connect         | 410000817 |

### Nebulizer

|                                                  |           |
|--------------------------------------------------|-----------|
| High Flow nebulizer                              | 205000458 |
| Low Flow nebulizer                               | 205000459 |
| Nebulizer Packing Ring                           | 425000326 |
| Quick Disconnect, Fitting 5/32 Tube to 10-32 UNF | 410000817 |

### Pneumatics

|                          |           |
|--------------------------|-----------|
| 2420 Pneumatics Assembly | 700002788 |
| Pressure Relief Valve    | 410000815 |
| 6mm gas line T           | 700002499 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| Fuse FAST 3.15A, 250V     | 700001800 |
| Startup Kit 2424          | 200002420 |
| Startup Kit               | 200242400 |
| Siphon Tube Drain Bracket | 400002052 |
| Detector Feet (Qty 4)     | 700005764 |

## DETECTORS - 2424

### Boards

|                            |           |
|----------------------------|-----------|
| Front End Amplifier Board  | 700001470 |
| CPU PCB                    | 700005763 |
| 3V Battery for CPU         | WAT080443 |
| 3V Battery, older CPU 2000 | 700001834 |

## DETECTORS - 2424

### Boards

|                        |           |
|------------------------|-----------|
| 2424 Personality Board | 700003260 |
| Key Pad                | 700004618 |
| DC Power Supply 200W   | 700002806 |

### Optics and Oven Components

|                                     |           |
|-------------------------------------|-----------|
| PM Kit                              | 201000159 |
| Desolvation Oven                    | 700003259 |
| nebulizer Heater Chiller            | 700002807 |
| Condensor Lens                      | 402000183 |
| Relay Lens                          | 402000184 |
| Collector Lens                      | 402000185 |
| M1 mirror                           | 402000187 |
| Photodiode Assembly                 | 700002375 |
| Optics Bench Assembly               | 700002803 |
| Photomultiplier Tube                | 402000182 |
| Optics Thermistor Assembly          | 700002853 |
| Exhaust Cap Heater                  | 700002849 |
| Assy, Socket, Photomultiplier, ELSD | 700002804 |

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| Tubing nebulizer to Pnuematics 22 in. | 700002792 |
| Exhaust Hose 5 ft.                    | 700002682 |
| Preformed Siphon Drain Tube           | 700003266 |
| Bottle Trap Assembly                  | 700002682 |

### Cables

|                                 |           |
|---------------------------------|-----------|
| Cable,DC Supply to Personality  | 441000621 |
| CableAC inlet to DC supply      | 441000624 |
| CableLamp to Personality board  | 441000386 |
| 10 FT. Ethernet Crossover Cable | 700003423 |



## DETECTORS - 2424

### Nebulizer

|                                |           |
|--------------------------------|-----------|
| High Flow nebulizer            | 205000458 |
| Low Flow nebulizer             | 205000459 |
| Nebulizer Packing Ring         | 425000326 |
| Fitting 5/32 Tube to 10-32 UNF | 410000817 |

### Pneumatics

|                                   |           |
|-----------------------------------|-----------|
| Pneumatics Assembly               | 700002805 |
| Pressure Relief Valve             | 410000815 |
| Bulkhead Fitting 1/4 Tube 1/8 NPT | 289001088 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| Fuse FAST 5.0A, 250V      | WAT163-18 |
| Startup Kit               | 200242400 |
| Siphon Tube Drain Bracket | 400002052 |
| Cover, Detector, 2424     | 400002274 |
| ELSD Test Solutions Kit   | 700002387 |
| Detector Feet (Qty 4)     | 700005764 |

## DETECTORS - 432

### Electronic Components

|                           |           |
|---------------------------|-----------|
| Dummy Cell                | WAT043079 |
| Main PCB                  | WAT043078 |
| Front Panel Bezel & Kybrd | WAT043067 |
| Transformer               | WAT043073 |
| Power Switch              | WAT043074 |
| Rear Panel Board          | WAT043077 |

## DETECTORS - 432

### Cables

|                                 |           |
|---------------------------------|-----------|
| Signal Cable, Cell to PCB (P12) | WAT043071 |
| Temp. Cable, Cell to PCB (P5)   | WAT043072 |
| Leak Sensor Cable               | WAT043070 |

### Fluidic Components

|                            |           |
|----------------------------|-----------|
| Flow Cell                  | WAT043069 |
| Cell Block Assy (w/o cell) | WAT043068 |

### Fuses

#### CE Mark Units (beginning w/ 432-0000342)

|            |           |
|------------|-----------|
| 1 amp Fuse | WAT165-11 |
| 2 amp Fuse | WAT165-14 |

#### Pre CE Mark Units

|            |           |
|------------|-----------|
| 1 amp Fuse | WAT022615 |
| 2 amp Fuse | WAT022616 |

## DETECTORS - 2465

### Flow Cells

|                                     |           |
|-------------------------------------|-----------|
| Kit, Flowcell 2MM GC WE ISAAC Ref.  | 205004215 |
| Kit, Flowcell 2MM GC WE SB Ref.     | 205004115 |
| Kit, Flowcell 3MM AU WE, HY Ref.    | 205004325 |
| Kit, Flowcell 2MM Ag WE HY Ref.     | 205004330 |
| Kit, Flowcell 3MM CGWE HY Ref.      | 205004340 |
| Kit, Flowcell 3MM CUWE HY Ref.      | 205004335 |
| Kit, flowcell, 3mm AU we, Isaac ref | 205004225 |
| Kit, flowcell, 3mm AU we, SB ref    | 205004125 |
| Kit, Flowcell 3MMPT, Isaac ref      | 205004220 |
| Kit, Cap .7mm GC, SB Ref.           | 205004100 |

## DETECTORS - 2465

### Flow Cell Components

|                                          |           |
|------------------------------------------|-----------|
| Spacer, 50 um                            | 700001953 |
| Spacer, 25 um                            | 700001952 |
| Spacer, 120 um                           | 700001951 |
| Working block 2 mm glAssy carbon         | 700001960 |
| Working block, 3 mm glAssy carbon        | 700002496 |
| Working block, 3 mm platinum             | 700001961 |
| Working block, 3mm copper                | 700002497 |
| Working block, 3 mm gold                 | 700001962 |
| Working block, 2 mm silver               | 700001963 |
| Working block, 0.7mm (cap.)              | 700002733 |
| ISSAC inlet block                        | 700002003 |
| Working block, G.C. 0.7 mm               | 700002733 |
| HY REF inlet block                       | 700001965 |
| Salt bridge inlet block                  | 700001964 |
| Flow cell Fitting, (finger tight)        | 700001950 |
| Inlet Tubing 0.01 inch ID X 1 meter      | 700002104 |
| Outlet Tubing 0.01 inch ID x 1 meter     | 700002105 |
| Capillary connector Kit (for micro cell) | 700002103 |
| Vyton rings, Pkg2, SB ref                | 700002175 |
| Salt Bridge AG/AGCl Ref Electrode, 2465  | 700001958 |
| Body for salt bridge ref                 | 700001957 |
| Swivel for salt bridge ref               | 700001956 |
| KCl solution for salt bridge ref (50 ml) | 700001959 |
| Polishing disc for working electrode     | 700001954 |
| Polishing disk for ISAAC ref electrode   | 700002069 |
| Ag/AgCl electrode and Fitting            | 700002254 |
| Diamond slurry, 1 um (10 ml)             | 700001955 |
| ISAAC solution (10 ml)                   | 700001949 |

## DETECTORS - 2465

### Flow Cell Components - continued

|                        |           |
|------------------------|-----------|
| Hex key for flow cell  | 700001985 |
| Flow cell bolts, qty 4 | 700002176 |
| Flow cell Cable        | 700001968 |
| Dummy flow cell        | 700001943 |

### Electronic Components

|                                   |           |
|-----------------------------------|-----------|
| Power supply, 2465                | 700001969 |
| Control board, 2465 with firmware | 700002664 |
| Sensor board, 2465 with firmware  | 700002665 |
| LCD display, 2465                 | 700001970 |
| Keypad, 2465                      | 700001972 |
| Keypad driver board               | 700001971 |
| POwner Entry Module, 2465         | 700001975 |
| Heater Assembly 2465              | 700001977 |
| Temperature Sensor, 2465          | 700001976 |
| Oven fan Assembly                 | 700001981 |
| Door Sensor                       | 700002173 |

### External Cables

|                                      |           |
|--------------------------------------|-----------|
| Integrator Cable (BNC to bare wires) | 700001994 |
| BNC to sat/in Cable                  | 441000333 |
| External I/O Cable,                  | 700001948 |
| RS-232 Cable(for Empower control)    | 700001942 |
| Flow cell Cable                      | 700001968 |

### Panels and External Hardware

|                  |           |
|------------------|-----------|
| Top Cover        | 700001980 |
| Left Side panel  | 700001979 |
| Right Side panel | 700001978 |
| Rear panel       | 700002311 |
| Hinge            | 700001947 |

## DETECTORS - 2465

### Panels and External Hardware - continued

|                     |           |
|---------------------|-----------|
| Door panel          | 700001974 |
| Inner door panel    | 700001983 |
| Bottom panel,       | 700001984 |
| Column clamp, 6 mm  | 700001944 |
| Column clamp, 12 mm | 700001945 |
| Flow cell clamp     | 700001946 |

### Fuses

|                             |           |
|-----------------------------|-----------|
| Line Fuse, 5X20, 2.5A 250V  | 700001004 |
| Fuse 6.3 AMP 5X20 Slow Blow | WAT270935 |

### Internal Cables

|                              |           |
|------------------------------|-----------|
| Primary Power Cable Assembly | 700001999 |
| Door Cable Assembly          | 700002000 |
| Internal cell CableAssy      | 700001995 |
| Opto CableAssembly           | 700001996 |
| Sensor CableAssembly         | 700001997 |
| Secondary Power CableAssy    | 700001998 |

### Other

|                       |             |
|-----------------------|-------------|
| 2465 Operator's guide | 71500246502 |
| 2465 Shipping box     | 290000602   |

## DETECTORS - 2475

### Electronics

|                                                      |           |
|------------------------------------------------------|-----------|
| Personality Board, new style (requires 2.2 firmware) | 700003692 |
| 3VC CPU board (new CPU)                              | 700005763 |
| Battery for 3VC CPU                                  | WAT080443 |
| Battery, 3.0V Zeropower Snapat (for CPU 2000)        | 700001834 |

## DETECTORS - 2475

### Electronics - continued

|                                                       |           |
|-------------------------------------------------------|-----------|
| 2A Fuse, personality F1, F2 Qty 2                     | 700001001 |
| 5A Fuse, Personality F3, Qty 2                        | 700001840 |
| Front End Amplifier Board                             | 700001470 |
| LCD Display                                           | 700001114 |
| Keypad                                                | 700004617 |
| Lamp Power Supply, NEW                                | 700004124 |
| Low Volt Power Supply                                 | 700001614 |
| PMT                                                   | 700001623 |
| Photodiode Assembly                                   | 700001624 |
| PMT Socket Assembly                                   | 700001625 |
| Solid State Relay                                     | 700001633 |
| Power Switch                                          | WAT055722 |
| Ferrite Suppressor Kit                                | 700000105 |
| 3.15in. Fan                                           | 700001615 |
| AC inlet module (does not incl. fuses or fuse drawer) | WAS207063 |
| Fuse, 3.15A (250V, 5X20MM),2pk                        | 700001800 |
| Fuse Drawer                                           | WAT055426 |

### Optics

|                         |           |
|-------------------------|-----------|
| 2475 PM Kit             | 201000131 |
| Flow Cell Assembly      | 700001618 |
| Gasket, Flow Cell       | 425000180 |
| M1 mirror               | 700001893 |
| Lamp Housing Window     | 700001619 |
| Filter Wheel Assembly   | 700001638 |
| EX Grating/Bushing Assy | 700001639 |
| EM Grating/Bushing Assy | 700001640 |
| EM Grating Motor        | 700001642 |
| EX Grating Motor        | 700001643 |

## DETECTORS - 2475

### Optics - continued

|                              |           |
|------------------------------|-----------|
| EM Cam and Pulley Assy       | 700001648 |
| EX Cam and Pulley Assy       | 700001649 |
| Assy, emission home sensor   | 700001646 |
| Assy, excitation home sensor | 700001647 |
| M2 mirror                    | 700001644 |
| M3 mirror                    | 700002884 |

### Cables and switches

|                                                      |           |
|------------------------------------------------------|-----------|
| Reed Switch, Magnetic                                | 700001473 |
| Reed Switch Magnet                                   | 700001475 |
| Thermal switch Assembly                              | 700001476 |
| ASSY, CABLE, DC POWER                                | 700001104 |
| New AC harness cable assy                            | 700002494 |
| Anode Cable (Lamp Power Supply to Lamp Housing)      | 700001627 |
| Internal Ethernet cable (CPU 2000 to rear panel)     | 700001626 |
| Internal RS-232 Cable (CPU 2000 to Real Panel)       | 700001628 |
| Anode cable (lamp power supply to lamp housing)      | 700001629 |
| Ribbon cable, front end amp to personality board     | 700001630 |
| Ribbon cable, front panel board to personality board | 700001632 |
| Adaptor, Equinox RJ45-D8-9                           | 700002036 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| Front Bezel               | 279000327 |
| Door                      | 700001631 |
| 2475' label               | 615002946 |
| Detector cover            | 400000661 |
| 10 Position I/O connector | 323000247 |
| Detector feet, (Qty 4)    | 700005764 |

## DETECTOR - 2487

### Electronic Components

|                                                         |           |
|---------------------------------------------------------|-----------|
| CPU PCB Assembly                                        | WAS081060 |
| Front End Amp w/Optic Cover                             | WAS081332 |
| Keypad/Display LCD Assembly                             | WAS081344 |
| Lamp Power Supply PCB                                   | WAS081324 |
| Low Voltage Power Supply                                | WAS081266 |
| Lamp PS Cable                                           | WAS081119 |
| Power Switch, On/Off Switch                             | WAT055722 |
| AC inlet Module (does not include Fuses or Fuse drawer) | WAS207063 |
| Fuse drawer                                             | WAT055426 |
| DC Harness (cable from LVP5 to CPU)                     | WAS081121 |
| 486 IEEE Cable Assy                                     | WAT080653 |
| Cable CPU-Lamp Pwr Supply                               | WAS081120 |

### Flow Cell Kit

|                           |           |
|---------------------------|-----------|
| Analytical Flow Cell      | WAS081140 |
| High Pressure Flow Cell   | WAT081321 |
| Inert Flow Cell           | WAT081157 |
| Semi-Prep Flow Cell       | WAT081158 |
| Microbore Flow Cell       | WAT081159 |
| Cuvette Holder Assembly   | WAS081333 |
| MS Flow Cell Rebuild Kit  | 700000168 |
| MS Gasket Kit             | 700000169 |
| Variable Path length cell | 700000923 |
| Dual Path Flow Cell       | 289000935 |
| AUTOPURIFICATION Flowcell | 289000614 |



## DETECTOR - 2487

### Optics

|                            |           |
|----------------------------|-----------|
| Filter Wheel Plate         | WAS081089 |
| Deuterium Lamp PM Kit      | WAS081142 |
| M1 mirror                  | 700001893 |
| Filter Wheel Assembly      | WAS081143 |
| Grating Drive Assembly     | WAS081145 |
| Grating w/Bushing & Tools  | WAS081257 |
| Grating Alignment Braker   | WAT081273 |
| Grating Alignment Pin      | WAT081337 |
| Spherical mirror M2/M3     | WAS081067 |
| Beam splitter Plate Assy   | WAS081271 |
| Photodiodes/Matched Pair 2 | WAS081100 |
| Reference Channel Lens     | WAS081071 |
| Thermal Switch w/Cable     | WAS081175 |
| Lamp Housing Window Assy   | WAS081341 |
| Optics Bench Assembly      | WAS081147 |
| Diode Cables Kit           | 700001442 |
| Grating Motor              | WAS081268 |
| Refurb Bench Assy          | 800000128 |
| Grating limit Sensor       | WAS081179 |

### Fuses

|                            |           |
|----------------------------|-----------|
| Fuse, 3.15A, 5 x 20mm      | 700001800 |
| Fuse, lamp PS (4A) Fuse, ) | WAT071406 |
| 2a Micro (F1 & F2 on CPU)  | WAS290423 |

### Flow Cell Components

|                             |           |
|-----------------------------|-----------|
| 10 mm Flow Cell Rebuild Kit | WAS081346 |
| 3mm Flow Cell Rebuild Kit   | WAS081347 |
| Gasket Kit (Set of 10)      | WAS081348 |

## DETECTOR - 2487

### Flow Cell Components - continued

|                                      |           |
|--------------------------------------|-----------|
| Var Prep Cell Quartz Rods & Seals    | 700000688 |
| Variable Prep cell ADJ SCR           | 700000689 |
| Variable Prep cell Entrance Lens SCR | 700000690 |
| Autopurification cell rebuild Kit    | 700002770 |

### Miscellaneous

|                                      |           |
|--------------------------------------|-----------|
| Rear panel Conn 12 pos.              | WAT270868 |
| Door Main Bezel (Plastic)            | WAS081189 |
| 2487 AC mod Switch Cable             | WAS081255 |
| Front Panel Bezel                    | WAS081334 |
| Fan                                  | WAS081212 |
| Battery, 3V Lithium                  | WAT080443 |
| Ground wire                          | WAT081335 |
| Nitrogen Purge Kit Tubing            | WAT077049 |
| Waters Two Cuvette Set               | 700004155 |
| Prom, V1.01                          | 700000125 |
| Wavelength Accuracy Sol.             | WAT042885 |
| Flowcell body, analytical + HP       | WAS081193 |
| Flowcell body, microbore + semi-prep | WAT081292 |
| 10mm Cell Linearity Sol.             | WAT042881 |
| Qual Doc Set                         | WAT520-01 |
| Top Cover                            | WAS053926 |
| Detector Feet (Qty 4)                | 700005764 |

## DETECTOR - 2488

### Optical Parts/Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Flow Cell Assembly w/ Manifold           | 700001786 |
| 2488 Flowcell microbore w/ manifold      | 205000321 |
| 2488, Flowcell multi UV/Prep w/ manifold | 205000322 |

## DETECTOR - 2488

### Optical Parts/Assemblies - continued

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Multi UV/Prep/Analytical w/ manifold                        | 205000323 |
| Flow Cell Module Assembly                                   | 700001787 |
| Microbore Flowcell                                          | 700002738 |
| Prep Flowcell                                               | 700002739 |
| Manifold Fitting for prep + prep/analytical                 | 700002740 |
| Union, 0.031" x 0.063"                                      | 700001789 |
| 2488 Optics Bench Assembly                                  | 700001788 |
| Bezel Cover & Bezel Cover Label                             | 700001816 |
| Detector Block MC UV Assy., with (4) photodiodes<br>& Cover | 700001803 |
| Flow Cell Block, Multi UV                                   | 700001818 |
| Fiber Optics 8 channel Assembly                             | 700001799 |
| M1 mirror, Diamond Turned*                                  | 700001893 |
| Deuterium Lamp Assy.*                                       | WAS081142 |
| Filter Wheel Assy.*                                         | WAS081143 |
| Grating Drive Assy.*                                        | WAS081145 |
| Grating with bushing and tools*                             | WAS081257 |
| Spherical mirror, M2/M3*                                    | WAS081067 |
| Beamsplitter Plate Assy.*                                   | WAS081271 |
| Reference Channel Lens*                                     | WAS081071 |
| Lamp Housing Window Assy.*                                  | WAS081341 |
| 2487/2488 Lamp PrEventive Maintenance Kit*                  | WAS081142 |

**Note: Spare parts designated with an \* are common  
to the 2487 detector.**

### PCBs/Assemblies

|                      |           |
|----------------------|-----------|
| Keypad               | 700001793 |
| Front Panel Assy.    | 700001801 |
| Preamp PCB           | 700001783 |
| CPU, 2488 PCB        | 700001784 |
| LCD Display Assembly | 700001785 |

## DETECTOR - 2488

### PCBs/Assemblies - continued

|                           |           |
|---------------------------|-----------|
| Lamp Power Supply PCB*    | WAS081324 |
| Low Voltage Power Supply* | WAS081266 |
| Fuse Holder*              | WAT055426 |
| Fan*                      | WAS081212 |
| Battery, 3.0 V Lithium*   | WAT080443 |
| Nitrogen Purge Kit*       | WAT077049 |

**Note: Spare parts designated with an \* are common to the 2487 detector.**

### Miscellaneous

|                                               |             |
|-----------------------------------------------|-------------|
| 2488 Operator's Guide                         | 71500248802 |
| Cable, Assy., Black Reference                 | 700001797   |
| Cable, Assy., White reference                 | 700001798   |
| Cable, Assy., Photodiode to Preamp (1 thru 4) | 700001806   |
| Cable, Assy., Photodiode to Preamp (5 thru 8) | 700001807   |
| Drip Tray small                               | 700001791   |
| Drip Tray with out Barb                       | 700001792   |
| Fuse, Lamp Power Supply (4A)                  | WAT071406   |

### Startup Kit

|                                                        |             |
|--------------------------------------------------------|-------------|
| 2488 Detector Startup Kit.                             | 200000142   |
| Event Cable                                            | WAT020321   |
| connector, male, 1/8"-npt, 1/4" ID Tube (Barb Fitting) | 700001826   |
| Cable, IEEE-488, 3.3 ft                                | WAT087198   |
| Fuse, 3.15A (250V, 5 x 20 mm)                          | 700001800   |
| connector, plug, 12 pin                                | WAT270868   |
| Comp. Screw, one piece, 1/16                           | 700001790   |
| Tube Peek 1/16" x.005" 10M RED                         | 6436005-S10 |
| Tubing, Peek, 0.06" x 0.010" x 50'                     | 700001795   |

## DETECTOR - 2488

### Startup Kit - continued

|                                           |           |
|-------------------------------------------|-----------|
| Tubing, 0.375" OD x 0.250" ID, Tygon 2705 | 700001796 |
| Key, Torx # T10                           | WAT410164 |
| Key, Torx # T20                           | WAT410165 |
| Screw driver, slotted, pocket-clip style  | 700001824 |
| M3 Allen Key                              | 700001825 |

## DETECTOR - 2489

### PCB'S and Electrical

|                                         |           |
|-----------------------------------------|-----------|
| Assy, PCB, TUV Personality              | 700003549 |
| CPU PCB                                 | 700005763 |
| 3V Battery for CPU                      | WAT080443 |
| 3V Battery, older CPU 2000              | 700001834 |
| Lamp Power Supply                       | 700002785 |
| PWR SUP DC 80W MULTI-OUTPUT RMT INHIBIT | 700002553 |
| Pre AM, Kit w/WAT241049 Gloves          | 700002797 |
| F1 and F2 microFuse for Personality PCB | WAS290423 |
| 5A microFuse for Personality pcb        | 700001840 |

### Optics

|                             |           |
|-----------------------------|-----------|
| Filter Wheel Plate          | WAS081089 |
| PM Kit, high bright lamp    | 201000186 |
| OPTICS BENCH                | 700003550 |
| PHOTO DIODES MATCHED PAIR   | 700002557 |
| 2487 M2/M3 mirror           | WAS081067 |
| 2487 REFERENCE CHANNEL LENS | WAS081071 |
| 2487 Filter WHEEL           | WAS081143 |
| 2487 Grating DRIVE          | WAS081145 |
| M1 mirror, DIAMOND TURNED   | 700001893 |
| LED HOLDER, 5MM, 1 PIECE    | 410000864 |

## DETECTOR - 2489

### Optics - continued

|                                |           |
|--------------------------------|-----------|
| 2487 Grating & BUSHING W/TOOLS | WAS081257 |
| 2487 BEAMSPLITTER Plate        | WAS081271 |
| 2487 LAMP HOUSING Window       | WAS081341 |
| Analytical Flowcell            | WAS081140 |
| High Pressure flowcell         | WAT081321 |
| Semi prep flowcell             | WAT081158 |
| Microbore flowcell             | WAT081159 |
| Autopure flowcell              | 289000614 |
| Dual path flowcell             | 289000935 |
| 10mm flowcell rebuild Kit      | WAS081346 |
| 3mm flowcell rebuild Kit       | WAS081347 |

### Cables

|                                            |           |
|--------------------------------------------|-----------|
| Lamp housing Thermal snap Switch           | 700002778 |
| Grating Home Sensor                        | WAT081179 |
| Assy CablePRE-AMP/CPU                      | 700002555 |
| power to Switch                            | 441000572 |
| Cross-over 5E Cable 10 FT.                 | 700003423 |
| DC SUPPLY Cable                            | 441000620 |
| Assy, CableEthernet 10 ft straight through | 441000372 |
| LAMP-LAMP PS Cable                         | 441000619 |
| 2487 DIODE Cables Kit                      | 700001442 |
| High Bright Lamp control Cable             | 441000623 |

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| Start up Kit              | 200000221 |
| Top Cover                 | 400001434 |
| Front door                | 700001631 |
| Switch Cover              | 415000556 |
| Detector Feet (Qty 4)     | 700005764 |
| Shipping box              | WAT080683 |
| 2489 label for front door | 615003885 |

## DETECTOR - 2489

### Other Electrical

|                                    |           |
|------------------------------------|-----------|
| FAN,                               | 441000617 |
| FUSE, 3.15A ( 250V, 5X20MM), 2 PKG | 700001800 |
| Power Entry Module, Filtered       | WAS207063 |
| CBM, Fuse DRAWER, AC               | WAT055426 |
| Display LCD                        | 700001114 |
| Keypad                             | 700004617 |
| Front Bezel                        | 700004845 |

## DETECTOR - 2996

### Optics Bench

|                                        |           |
|----------------------------------------|-----------|
| PM Kit for 2996/996                    | WAT052586 |
| 2996 Optics Bench                      | 700001348 |
| M1 mirror Assembly                     | WAT057783 |
| M2 mirror Assembly                     | 700002534 |
| Feedback reference diode               | WAT057914 |
| Beam Splitter Assembly                 | WAT057912 |
| Shutter Assembly                       | WAT057909 |
| 50u Aperture (slit) Assembly           | WAT057920 |
| 100u Aperture (slit) Assembly          | WAT057921 |
| 150u Aperture (slit) Assembly          | WAT057922 |
| Video Cablefrom Charge Amp to Main PCB | WAT057310 |
| Thermal Switch, threaded               | WAT057588 |

### Printed Circuit Boards

|                  |           |
|------------------|-----------|
| Main CPU PCB     | 700002428 |
| Interconnect PCB | 700001669 |
| Power Supply     | WAT057902 |

## DETECTOR - 2996

### New Style

|                                  |           |
|----------------------------------|-----------|
| Charge Amp PCB for N-Well Device | 700002429 |
| Spare PDA Device, N-Well         | 700002392 |

### Flow Cell Assemblies

|                                                    |           |
|----------------------------------------------------|-----------|
| Analytical Cell Assy w/Tubing, Ftng., & Hldr.      | WAT057919 |
| Core Body Analytical Cell                          | WAT057932 |
| Cell Lens Assy (2)                                 | WAT057923 |
| Cell Gasket (2)                                    | WAT057924 |
| Belleville Washer (2)                              | WAT057925 |
| Semi-Prep Lens Kit                                 | WAT057968 |
| Analytical HP Cell Assy w/Tubing, Ftng. & Hldr.    | WAT057460 |
| Inert (Titanium) Cell Assy w/Tbng., Ftngs., & Hldr | WAT057461 |
| AUTOPURIFICATION Flow Cell                         | 289000612 |
| Microbore Cell Assy w/Tbng., Ftngs., & Hldr.       | WAT057462 |
| Semi-Prep Rebuild Kit                              | WAT057968 |
| Semi-Prep Cell Assy w/Tbng., Ftngs., & Hldr.       | WAT057463 |

### Miscellaneous

|                                     |           |
|-------------------------------------|-----------|
| Cover Screws                        | WAT055820 |
| Start-up Kit                        | 200000134 |
| 2 meter IEEE Cable                  | WAT087141 |
| Cuvette holder, 996, 2996           | 289000409 |
| 2996 Quick Install Guide            | 715000353 |
| Detector Fee (Qty 4)                | 700005764 |
| Mercury Calibration Lamp Kit (110V) | WAT057790 |
| Mercury Calibration Lamp Kit (220V) | WAT057791 |
| LED's w/ Cablefront panel           | WAT057596 |
| Front Cover                         | 415000322 |
| "2996" Label                        | 615002670 |
| Internal RS-232 Cable               | 441000376 |
| Interconnect Cable                  | 441000375 |
| Internal IEEE Cable                 | WAT080653 |



## DETECTOR - 2998

### PCB'S and Electrical

|                             |           |
|-----------------------------|-----------|
| CPU PCB                     | 700005763 |
| 3V Battery for CPU          | WAT080443 |
| 3V Battery, older CPU 2000  | 700001834 |
| Personality PCB             | 700003761 |
| DC LOW VOLTAGE POWER SUPPLY | 700002553 |
| POWER SUPPLY HB LAMP        | 700002785 |
| CHARGE AMP PCB              | 700003769 |

### Optics Components

|                                       |           |
|---------------------------------------|-----------|
| M1 mirror                             | 700001893 |
| LAMP HOUSING Window Assembly          | 700003768 |
| Filter FLAG Assy                      | 700003767 |
| M2 mirror                             | 700003804 |
| M2 mirror MASK                        | 405003559 |
| APERTURE HOLDER Assy                  | 700003770 |
| PDA DEVICE Assy                       | 700003772 |
| ANALYTICAL FLOWCELL Assembly          | 205000399 |
| MICROBORE FLOWCELL Assembly           | 205000400 |
| SEMI-PREP FLOWCELL Assembly           | 205000401 |
| AUTO-PURIFICATION FLOWCELL Assembly   | 205000402 |
| Analytical flowcell rebuild Kit       | 700003798 |
| Semi prep flowcell rebuild kit        | 700005101 |
| Autopurification Flowcell Rebuild Kit | 700005102 |

### PM Kit

|                                     |           |
|-------------------------------------|-----------|
| D2, PDA HIGH BRIGHTNESS LAMP PM Kit | 201000186 |
|-------------------------------------|-----------|

### Cables

|                            |           |
|----------------------------|-----------|
| Assy, Cable, CPU to PreAMP | 441000580 |
| REAR ANALOG OUTPUT Cable   | WAT057235 |
| Lamp Power Supply Cable    | 441000619 |

## DETECTOR - 2998

### Cables - continued

|                                 |           |
|---------------------------------|-----------|
| DC POWER Cable                  | 441000620 |
| HB LAMP CONTROL Cable           | 441000623 |
| POWER STATUS LED Cable          | 441000579 |
| ASSY, Cbl, Internal RS-232, BGM | 700001520 |
| Thermal Switch CableAssy        | 700002778 |
| Internal Ethernet Cable         | 700001626 |

### Miscellaneous

|                        |           |
|------------------------|-----------|
| DETECTOR Drip Tray     | 415000681 |
| OPTICS BENCH Drip Tray | 415000597 |
| FLOWCELL POCKET Gasket | 425000364 |
| AIR FLOW PLENUM        | 400001460 |
| DETECTOR Cover 2998    | 400001465 |
| START UP Kit, 2998 PDA | 200000230 |
| Shipping box           | WAT080683 |
| Detector Feet (Qty 4)  | 700005764 |

### Other Electrical

|                                         |           |
|-----------------------------------------|-----------|
| Fuse,3.15A (250V, 5X20MM), 2pk          | 700001800 |
| I/O signal connectorys, 10 position     | 323000247 |
| I/O signal connector shell, 10 position | 323000446 |
| MAIN FAN Assy                           | 441000617 |

## ACQUITY BINARY SOLVENT MANAGER

### PCB and Electrical

|                                        |           |
|----------------------------------------|-----------|
| Assy, PCB, CPU2000                     | 700001518 |
| Assy, PCB, SMT DEGAS                   | 700002511 |
| Assy, PCB, Personality, I-2-V / LD BSM | 700003584 |
| Assy, PCB, Transducer Interconnect PCB | 700002591 |
| Assy, POWER SUPPLY, 350W, SSI          | 700002592 |

## ACQUITY BINARY SOLVENT MANAGER

### Pump

|                                                     |           |
|-----------------------------------------------------|-----------|
| UPLC Actuator with out CV                           | 700002985 |
| Transducer Assy, Head Mounted, 15KPSI               | 700002594 |
| 15KPSI Head                                         | 700002595 |
| Assy, Primary CV, Spring-loaded                     | 700002596 |
| Assy, Accumulator CV, Dual ball and seat            | 700002968 |
| Seal wash housing                                   | 700002597 |
| .0787 ID, Wash Seal, 2 Pack                         | 700002598 |
| .0787 ID, UP30 Head Seal & S/W Spacer, 2 Pack       | 700002599 |
| PLUNGER, .0787 DIA X 1.415, 2 Pack                  | 700002600 |
| O-RING,Teflon 2-016                                 | WAT076152 |
| Support Plate,Thickened,VHP Head                    | 700002601 |
| Assy, Mixer, 50UL, Zirconia                         | 700002911 |
| Assy, Mixer, 100UL, Zirconia                        | 205000404 |
| Assy, Filter Mixer, 425UL                           | 205000403 |
| Drain Waste Management DISK (old white)             | 700002675 |
| Drain Fitting, Barbed Fitting                       | 415000221 |
| Solvent Bottle Filter, Critical Clean SS, 7 Pack    | 700003616 |
| Solvent Bottle Filter, Critical Clean SS, 1 Pack    | 700003615 |
| Solvent Bottle Filter, Titanium 7 Pack              | 700003530 |
| Solvent Bottle Filter, Titanium 1 Pack              | 700003546 |
| Primary inlet Check Valve Filter Kit (2PK)          | 700002912 |
| Assy, Cartridge, Filter, SS FRIT (2PK)              | 700002913 |
| Kit, Primary Inline Filter, Titanium w/ Tubes (2PK) | 700003784 |
| Cartridge, Primary Filter, Titanium (2PK)           | 700003785 |

## ACQUITY BINARY SOLVENT MANAGER

### Intelligent Intake Valve Components

|                                              |           |
|----------------------------------------------|-----------|
| Assy, CV Cartridge, Intelligent Intake (2PK) | 700003563 |
| Assy, Intelligent Intake Actuator            | 700003557 |
| Assy, Tube Xducer to Check Valve, I2V        | 430001773 |
| Assy, Tube SSV to Intelligent Intake         | 430001443 |
| Fuse 0.5A 125V SLO-BLO LITTLEFuse (5PK)      | 700004470 |

### Degasser

|                                    |           |
|------------------------------------|-----------|
| Pump, Vacuum, Degasser AF          | 700001352 |
| Assembly Degasser Chamber          | 700002602 |
| Degasser Chamber, Stented, ACQUITY | 700003753 |

### Valves

|                                          |           |
|------------------------------------------|-----------|
| VALVE, SOLENOID, Solvent SELECT, BIOCHEM | 700002603 |
| VALVE, VENT, 6 PORT / 6 POS., V-DETAIL   | 700002659 |
| Assy, Cartridge, Vent Valve              | 700002660 |
| 2690 SEALWASH PUMP SOLENOID              | WAT270926 |

### Tubing

|                                                 |           |
|-------------------------------------------------|-----------|
| Assy, Tube ACCUM "B" Xducer - Vent Valve        | 430001199 |
| Assy, Tube ACCUM "A" Xducer - Vent Valve        | 430001200 |
| Assy, Tube Vent Valve PORT 5 TO TEE/Filter      | 430001207 |
| Assy, Tube Vent Valve PORT 2 TO TEE/Filter      | 430001208 |
| Assy, Tube Vent Valve PORT 1 TO Waste, 0.010"ID | 430001893 |
| Assy, Tube Vent Valve PORT 4 TO Waste, 0.010"ID | 430001894 |
| Assy, Tube Degasser Port B2 TO SSV B            | 430001113 |

## ACQUITY BINARY SOLVENT MANAGER

### Tubing - continued

|                                             |           |
|---------------------------------------------|-----------|
| Assy, Tube Degasser Port B1 TO SSV B        | 430001114 |
| Assy, Tube Degasser Port A1 TO SSV A        | 430001115 |
| Assy, Tube Degasser Port A2 TO SSV A        | 430001116 |
| Assy, Tube Head OUTLET TO Xducer inlet      | 430001120 |
| Assy, Tube Xducer OUTLET TO ACCUM CV inlet  | 430001121 |
| Tube Assy, PUMP OUT, .005" FOR OLD INJECTOR | 430001017 |
| Tube Assy, PUMP OUT, .010" FOR EVERFLOW INJ | 430001486 |
| Tube Assy, Solvent inlet, SDS               | 430001020 |
| Tube Drain, Top Tray TO BOTTOM Tray         | 430001080 |
| Tubing, Seal WASH replacement, 38"          | 700002505 |
| Tubing PHARMED 1/4"OD X 1/8"ID              | WAT073630 |
| Assy, Tubing, SSV TO Primary CV Filter      | 430001470 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| ASSY, CABLE ETHERNET                   | 700001626 |
| ASSY, Cable, Internal RS-232,BGM       | 700001520 |
| Assy, Cable, DC HARNESS, VHP           | 441000378 |
| Assy, Cable, VHP Transducer            | 441000379 |
| Assy, Cable, AC HARNESS, VHP           | 441000381 |
| Assy,Cable, Pump Motor VHP             | 441000382 |
| Assy, Cable, DEGASSER, DC POWER        | 441000383 |
| Assy, Cable, DEGASSER TO A Personality | 441000480 |
| Assy, Cable, Power Supply Inhibit      | 441000481 |
| ASSY, CABLE, POWER-STATUS LED'S        | 700002559 |
| Assy, Cable, ANALOG OUT & EventS I/O   | 441000488 |
| Assy, Cable, DSP SPI PORT              | 441000544 |

## ACQUITY BINARY SOLVENT MANAGER

### Panels, Etc.

|                                             |           |
|---------------------------------------------|-----------|
| ASSY, BOTTLE TRAY                           | 289002414 |
| Cover, Top, Painted, BSM                    | 400001032 |
| Cover, Left Side, Painted, BSM              | 400001060 |
| Cover, Right Side, Painted, BSM             | 400001150 |
| Assy, BSM DOOR                              | 289001625 |
| Drip Tray Actuator Drain                    | 415000974 |
| Drip Tray Front ACQUITY BSM, Black          | 700002851 |
| TAPE, ADHESIVE, FOAM, 1/8" X 1/2" X 60"     | 700003088 |
| FOOT PLASTIC, BGM                           | 700001548 |
| Foot, Instrument, short                     | 700004125 |
| LABEL, BSM, WATERS                          | 615003683 |
| Label, Degasser Manifold, BSM               | 615003703 |
| Screw, Panel, M4 X 10, Blue                 | 410001262 |
| SCREW, METRIC, M3 X 16 (4 PKG) - Transducer | 700004023 |
| SCREW,METRIC, M5X40 Hd                      | 410001296 |
| SCREW, METRIC Skt Cap M5x16 - Hd Support    | WAT413516 |
| FRAME, AIR Filter, HANDLE, BSM              | 405003487 |
| Filter, AIR, BSM                            | 700002632 |
| Filter, AIR, HANDLE, BSM                    | 700002633 |
| TUBE LABEL Kit                              | 700003102 |

### Other Electrical

|                                          |           |
|------------------------------------------|-----------|
| Power Entry Module with LINE Filter 10A  | 700000485 |
| Power Entry Module with Filter LS        | 700003763 |
| FAN, 92MM X 25MM, 49 CFM                 | 700001067 |
| Fuse 5A 250V 5X20 SLO BLO IEC VDE CSA UL | 700002604 |

## ACQUITY BINARY SOLVENT MANAGER

### Other Electrical - continued

|                                         |           |
|-----------------------------------------|-----------|
| Fuse DRAWER FOR 5X20MM FuseS            | 700001502 |
| Fuse 0.5A 125V SLO-BLO LITTLEFuse (5PK) | 700004470 |

### Fittings

|                                                |           |
|------------------------------------------------|-----------|
| Ferrulle1/8 TEFZEL yellow, 5 pk                | WAT037373 |
| COMP SCREW 1/8 PEEK                            | WAT046-12 |
| Comp crew w/ fer & lock ring, flangless (7 pk) | 700003797 |
| Ferrulle Flangeless, Tefzel, Lock Ring (1 pk)  | 700003796 |
| Comp screw, flangless PEEK 1/8' (1 pkg)        | WAT271028 |
| Screws, comp, pkg 10 gold, long                | 700002645 |
| Screws comp, pkg 10 gold, short                | 700002634 |
| Ferrule set, two-piece swagelock, pkg 10       | 700002635 |
| UNION, .020 ID, V-DETAIL                       | 700002636 |

### Intelligent Intake Valve Parts

|                                                 |           |
|-------------------------------------------------|-----------|
| Assy, Cartridge, Intelligent Intake VALVE (2PK) | 700003563 |
| Assy, Intelligent Intake Actuator               | 700003557 |
| Assy, Tube Xducer TO Check Valve, I2V           | 430001773 |
| Assy, Tube SSV TO Intelligent Intake VALVE      | 430001443 |
| Fuse 0.5A 125V SLO-BLO LITTLEFuse (5PK)         | 700004470 |

## ACQUITY BINARY SOLVENT MANAGER

### THF/HEXANE

|                                                 |           |
|-------------------------------------------------|-----------|
| THF/HEXANE Modification Kit, FOR Passive CV     | 205000464 |
| THF/HEXANE Modification Kit, FOR I-2-V CV       | 205000551 |
| Kit, Primary CV spring loaded, THF/HEX, (pkg 2) | 700003754 |
| Assy, Cartridge I-2-V HEXANE/THF (PKG 2)        | 700004139 |
| O-RING, SIMRIZ, PKG 2                           | 700003786 |
| Kit, Accumulator DUAL B/S CV, THF/HEX, (PKG2)   | 700003755 |
| Degasser Chamber, STENTED, ACQUITY              | 700003753 |
| Kit,TUBE SS,STD FLOW, TUV/PDA, 6" & 10"         | 700003756 |

### Miscellaneous

|                                                |           |
|------------------------------------------------|-----------|
| ACQUITY BSM I-2-V Parts Bundle (NO PCBS)       | 205000480 |
| Waste Management Adapter Kit                   | 700002821 |
| Start Up Kit, ACQUITY Binary Solvent Manager   | 200000188 |
| Seal Extraction/Insertion, Tool .0787 DIA, BSM | 700003521 |
| PM Kit, Binary Solvent Manager, Passive CV     | 201000173 |
| PM Kit, Binary Solvent Manager I-2-V           | 201000197 |
| Shipping Box, ACQUITY Binary Solvent Manager   | 290000457 |



## ACQUITY SAMPLE MANAGER

### PCB'S and Electrical

|                                              |           |
|----------------------------------------------|-----------|
| Assy, PCB, CPU2000                           | 700001518 |
| Assy, PCB, Personality SAMPLE MANAGER        | 700003576 |
| Assy, PCB, REAR PANEL, SAMPLE MANAGER        | 700003705 |
| Assy, PCB, BARRIER SAMPLE MANAGER            | 700002563 |
| Assy, PCB, Y-Z-Z' Interface, Sample Manager  | 700002564 |
| Assy, PCB Fluidics Interface, Sample Manager | 700002565 |
| POWER SUPPLY, 420 WATT, 24VDC                | 700002623 |
| HEATER COOLER engine, SAMPLE MANAGER         | 700002656 |

### Fluidic

|                                               |           |
|-----------------------------------------------|-----------|
| Assy, ACQUITY, XYZZ Mechanism                 | 700002579 |
| Assy, Y Carriage 12MM Effective, w/ grey knob | 700003897 |
| Assy, Syringe Drive, Metering                 | 700002581 |
| Assy, Metering Syringe Valve Head             | 700003743 |
| Assy, MANIFOLD, VALVE                         | 700002652 |
| Assy, Station, Needle Wash/Inject Station     | 700002582 |
| Cartridge Back Pressure Regulator             | 700002571 |
| Housing Back Pressure Regulator               | 700002888 |
| PUMP, VACUUM, BOS                             | 700002583 |
| Assy, DRAWER, FLUIDICS                        | 700002566 |
| Transducer, PRESSURE                          | 700002650 |
| Assy, Syringe Drive, Wash                     | 700002567 |
| WASH SYRINGE, 2.5 mL                          | 700002569 |
| Sample Syringe, 50 uL, HP                     | 410001348 |

## ACQUITY SAMPLE MANAGER

### Fluidic - continued

|                                                  |           |
|--------------------------------------------------|-----------|
| Sample Syringe, 100 uL, HP                       | 700002570 |
| Sample Syringe, 250 uL, HP                       | 410001347 |
| Syringe, 500 ul                                  | 410001647 |
| O-RING, Needle Wash/Inject Station               | 700002572 |
| Everflow Valve and Column Filter Upgrade Kit     | 700002772 |
| Everflow Valve Injector Assy                     | 700002764 |
| Everflow Valve POD/Cartridge                     | 700002765 |
| Puncture Needle Cartridge, 12MM Effective        | 700003898 |
| Puncture Needle Cartridge, 9MM Effective         | 700002773 |
| Puncture Needle, 9MM Effective                   | 700002758 |
| LOOP, SAMPLE, 1 uL                               | 430001516 |
| LOOP, SAMPLE, 2 uL                               | 430001264 |
| LOOP, SAMPLE, 5 uL                               | 430001311 |
| LOOP, Sample 10 uL, Std.                         | 430001326 |
| LOOP, SAMPLE, 20 uL                              | 430001320 |
| LOOP, SAMPLE, 50 uL                              | 430001325 |
| ASSY, Sample Loop, 100ul                         | 430002209 |
| ASSY, Sample Loop, 240ul                         | 430002211 |
| Kit, 250ul Syringe, 100ul Loop                   | 176001792 |
| Kit, 500ul Syringe, 250ul Loop                   | 176001780 |
| Kit, 250ul Syringe, 50ul Loop                    | 176000857 |
| Sample Needle Assy, 30UL, SS Needle Peek<br>SLV  | 205000362 |
| Sample Needle Assy, 15UL, SS Needle, Peek<br>SLV | 205000363 |
| Sample Needle Assy, 30UL, FEP/Metal              | 205000369 |
| Sample Needle Assy, 15UL, FEP/Metal              | 205000370 |
| Sample Needle Assy, 30UL, PEEK                   | 700002644 |
| Kit, ACQUITY UPLC Peptide Needle                 | 205000507 |

## ACQUITY SAMPLE MANAGER

### Tubing

|                                                 |           |
|-------------------------------------------------|-----------|
| Tube Drain, FRONT                               | 430001062 |
| Assy, Tube Wash Block to Union                  | 430001087 |
| Assy, Tube T23, WS2 TO VM/S-SY                  | 430000988 |
| Assy, Tube T22, WS1 TO VM/SY                    | 430000989 |
| Assy, Tube T17, DJ-B TO SSV/P-3, HPLC           | 430001166 |
| Assy, Tube T7, SSV P-2 TO VM/SSV, HPLC          | 430001167 |
| Assy, Tube VAC. Pump Out                        | 430000990 |
| Assy, Tube Vacuum Pump Inlet                    | 430001002 |
| Tubing .087X.055 YEL TFE                        | WAT077040 |
| TubePOLYETHYLENE                                | 700002589 |
| Assy, Tubing, Service Loops                     | 289001587 |
| Assy, Tube T18, SS TO VM/S-IN                   | 430000996 |
| Assy, Tube T20, WS TO VM/W-IN                   | 430000997 |
| Assy, Tube T11, WB TO VM/WB                     | 430000998 |
| Tubing,Drain,BI-PASS                            | 430000931 |
| Tubing,Drain,INNER                              | 430000933 |
| Tubing,Drain,BOSS PUMP                          | 430001002 |
| Tubing,Drain,WASH BLOCK                         | 430001008 |
| Tube Needle GUIDE                               | 430001086 |
| Assy, Tube Inject Outlet .005ID X 11", UPLC     | 430001084 |
| Assy, Tube Inject Outlet .005ID X 11", HPLC     | 430001221 |
| Assy, Tube Pre-Heater Stabilizer Std            | 205000291 |
| UNION, 1/4 - 28                                 | 410001281 |
| Assy, Tube PRE-HEATER STABILIZER<br>150MM       | 205000365 |
| Assy, Volume Detection Device, W/ PFA<br>Tubing | 700002867 |
| Assy, Tube RIGHT inlet, SM INJECT VALVE         | 430001722 |

## ACQUITY SAMPLE MANAGER

### Cables

|                                               |           |
|-----------------------------------------------|-----------|
| Assy, Cable, X END                            | 279000799 |
| Assy, Cable, X Home                           | 279000800 |
| Assy, Cable, X MOTOR                          | 279000796 |
| Assy, Cable, A/S Sample Lamp                  | 441000496 |
| Cable, Z FLEX Interconnect                    | 441000406 |
| Cable, Z FLEX Assembly W/ PCB                 | 441000671 |
| Cable, FLEX, Y-Z-Z PRIME                      | 441000479 |
| Assy, Cable, Y-Z-Z CHASSIS GROUND             | 441000502 |
| Assy, Cable, Y Home Sensor                    | 279000785 |
| Assy, Cable, Y-Z MOTOR                        | 279000787 |
| Assy, Cable, Z PRIME MOTOR                    | 441000478 |
| Assy, Cable, Home Sensor, Wash Syr. Dr.       | 279000771 |
| Assy, Cable, BOS PUMP                         | 441000484 |
| Assy, Cable, Home Sensor, Samp. Valve         | 279000767 |
| Assy, Cable, Home Sensor, Samp. Syr. Dr.      | 279000773 |
| Assy, Cable, MOTOR, SAMP. SYR. DR.            | 441000475 |
| Assy, Cable, RS232, 2414                      | 700001628 |
| Assy, Cable, FLUIDICS INTERFACE               | 441000487 |
| Assy, Cable, RS232, ACQUITY AUTO.SAMP.& ELEV. | 441000485 |
| Assy, Cable, Ethernet, ACQUITY SM AND SO      | 441000486 |
| Assy, Cable, DC POWER                         | 441000491 |
| Assy, Cable, AC MODULE TO SUPPLY              | 441000492 |
| Assy, Cable, A/S - QSPI                       | 441000493 |
| Assy, Cable, Event I/O                        | 441000494 |
| Assy, Cable, BARRIER GROUND                   | 441000501 |
| Assy, Cable, Autosample & elevator GRND       | 441000504 |
| Assy, Cable, A/S EXTERNAL FANS                | 441000529 |

## ACQUITY SAMPLE MANAGER

### Cables - continued

|                                     |           |
|-------------------------------------|-----------|
| Assy, Cable, A/S HTR/CLR & OVERTEMP | 441000530 |
| Assy, Cable, A/S P/S CTRL/STAT      | 441000557 |
| Assy, Cable, on/off Switch          | 441000555 |
| Assy, Cable, A/S DC Power Ent       | 441000879 |

### Misc. Panels & Etc.

|                                            |           |
|--------------------------------------------|-----------|
| BELT, TIMING, 40 DP                        | 700003909 |
| BELT, TIMING, .080"P, 87GR, KEVLAR         | 410001324 |
| Plate,Cover,elevator access                | 400000974 |
| PANEL, Right Side                          | 400001069 |
| Filter, AIR, CHASSIS, AS                   | 401000501 |
| Foot, Instrument, TALL                     | 415000453 |
| Foot, Instrument, SHORT                    | 415000454 |
| Drip Tray Valve                            | 415000977 |
| Drip Tray Top                              | 415000467 |
| Drip Tray VACUUM PUMP                      | 415000494 |
| Drip Tray BOTTOM                           | 415000500 |
| Drip Tray FLUIDICS                         | 415000354 |
| Drip Tray SYRINGE WASH DRIVE, MOTOR        | 415000575 |
| Drip Tray SYRINGE PUMP                     | 415000466 |
| LABEL, VISTA, WATERS                       | 615003683 |
| Kit, Wellplate Shuttle                     | 205000542 |
| Screw, panel, M4 X 10, Blue                | 410001262 |
| Fitting, 1/4 Barbed TO 1/8-27 NPT          | 415000221 |
| Plug, Panel, Dark Blue                     | 410001149 |
| Assy,Bezel, SM                             | 700003089 |
| Kit, DOOR replacement, SM                  | 700003284 |
| Assy, Window, double pane, w/ Tray pushers | 289003793 |
| Bezel,SYRINGE FRONT                        | 415000532 |

## ACQUITY SAMPLE MANAGER

### Misc. Panels & Etc. - continued

|                                            |           |
|--------------------------------------------|-----------|
| VIAL STRIPPER BAR replacement Kit          | 700002854 |
| Plate, Y End, Machined MACHINED<br>CASTING | 700002917 |
| SHADE, Window, Door SM                     | 700003715 |
| Screw, M2.5 X 8 SKT HD CAP, SST            | 410001365 |

### Other Electrical

|                                      |           |
|--------------------------------------|-----------|
| Assy, FAN, 24V, 54.7 CFM             | 700004626 |
| Assy, FAN, 12V, 18.3 CFM             | 700002578 |
| Fuse, 0.25A 250V SMD                 | 700002576 |
| Fuse, 3A 250V SMD                    | 700001002 |
| Fuse, 10A 5MMX20MM, SLO Blow         | 700002577 |
| Fuse, 5A Ceramic Micro               | WAT290197 |
| Fuse, 7A Ceramic Micro               | WAT290129 |
| Assy, Thermister, non-linear         | 279000962 |
| Fuse Drawer for 5X20MM FuseS         | 700001502 |
| Power Entry Module w/line Fuse       | 700000485 |
| Power Entry Module with Filter LS    | 700003763 |
| Transducer, PRESSURE                 | 700002650 |
| THF/HEXANE Modification Kit          | 205000464 |
| Tape, Teflon, 1/4" X 600" Roll       | 700003538 |
| Vial Stripper Bar Upgarde Kit        | 700002854 |
| TEACH PIN BLOCK                      | 415000692 |
| PM Kit, Sample Manager               | 201000174 |
| Teach Block                          | 415000692 |
| Start Up Kit, ACQUITY Sample Manager | 200000200 |

## ACQUITY SAMPLE ORGANIZER

### PCB'S and Electrical

|                                          |           |
|------------------------------------------|-----------|
| Assy, PCB, CPU2000                       | 700001518 |
| Assy, PCB, Personality, Sample Organizer | 700002606 |
| ASSY, PNEUMATIC PRESSURE SENSOR          | 700008875 |
| Assy, PCB, Barrier, Sample Organizer     | 700002607 |
| ASSM, LED Display Column                 | 700002608 |
| KIT, POWER SUPPLY, 800W, 24 VDC          | 700005034 |

### Mechanical

|                                             |           |
|---------------------------------------------|-----------|
| Assy, Transfer Mechanism, Autosampler (ATS) | 700002611 |
| Assy, Transfer Mechanism, elevator (ETS)    | 700002612 |
| Assy, Storage Shelf, elevator               | 700002730 |
| Retainer, Storage Shelf                     | 400001045 |
| Bearing Assy, SCREW POST, PKG 3             | 700003726 |
| Kit, Carriage Bar Assembly                  | 205000506 |
| BLOCK, Carriage LEADSCREW                   | 700004468 |
| MOTOR, Z-AXIS DRIVE, elevator               | 700002614 |
| Assy, FAN, elevator                         | 700002615 |
| Assy, FAN, 12V, 18.3 CFM                    | 700002616 |

### Heating/Cooling

|                                       |           |
|---------------------------------------|-----------|
| ASSY, Thermister, NON-LIN             | WAT270821 |
| Assy, engine, heater/cooler, elevator | 700003919 |

### Cables and Sensors

|                                                |           |
|------------------------------------------------|-----------|
| Assy, CBL, ELEV. XFER&LOW/UP SHUT. Home<br>SEN | 441000532 |
| Assy, CBL, ELEV. XFER&LOW/UP SHUT.<br>AWAY SEN | 441000534 |
| Assy, Cable, Z AXIS Home & AWAY Sensor         | 279000877 |

## ACQUITY SAMPLE ORGANIZER

### Cables and Sensors - continued

|                                            |           |
|--------------------------------------------|-----------|
| Assy, Cable, Plate OVER TRAVEL FIBER OPTIC | 289001782 |
| Kit, elevator IGUS E-Z READYCHAIN          | 700002984 |
| Assy, Cable, ELEV. sample door Sensor      | 279000884 |
| Assy, FIBER OPTIC AMPLIFIER Sensor         | 279000885 |
| Assy,Cable,RS232,VISTA AUTO.SAMP.&ELEV.    | 441000485 |
| Assy,Cable,ETHER.,VISTA AUTO SAMP.&ELEV.   | 441000486 |
| Assy, Cable, ELEV. HTR/CLR & OVERTEMP      | 441000531 |
| Assy, Cable, elevator MANIFOLD             | 441000533 |
| Assy, Cable, elevator BARRIER GROUND       | 441000535 |
| Assy, Cable, elevator, SOLENOIDS / FANS    | 441000539 |
| Assy, Cable, elevator XFER SHUTTLE         | 441000540 |
| Assy, Cable, elevator COMBO                | 441000541 |
| Assy, Cable, ELEV. UPPER/LOWER SHUTTLE     | 441000542 |
| Assy, Cable, ELEV. SUPPLY INHIBIT Switch   | 441000543 |
| Assy, Cable, ELEV. AC MODULE TO SUPPLY     | 441000546 |
| Assy, Cable, ELEV. POWER-STATUS LED'S      | 441000547 |
| Assy, Cable, elevator PUMP                 | 441000548 |
| Assy, Cable, elevator P/S CTRL/STAT.       | 441000549 |
| Assy, Cable, elevator D.C. POWER           | 441000550 |
| Assy GROUND WIRE 2487                      | WAT081335 |
| Z Sensor AND HARDSTOp GUAGE                | 700003693 |



## ACQUITY SAMPLE ORGANIZER

### Misc. Panels & Etc.

|                                 |           |
|---------------------------------|-----------|
| Assy, Storage Shelf, elevator   | 700002730 |
| Assy, REAR Cover, heater/cooler | 700002619 |
| Cover, CHASSIS, elevator        | 400001302 |
| PANEL, SIDE, elevator           | 400001357 |
| PLUG, PANEL, DARK BLUE          | 700002620 |
| Assy, FRONT Door elevator       | 700002617 |
| SHADE, Window, Door SO          | 700003794 |
| Filter, AIR, BOTTOM             | 401000458 |
| DOOR LATCH                      | 410001255 |

### Air related

|                                             |           |
|---------------------------------------------|-----------|
| Assy, PANEL, elevator PNEUMATICS            | 700002613 |
| Check Valve, 1/8 NPT X 1/4 OD               | 410001199 |
| VALVE, FLOW CONTROL, 4MM IN-LINE            | 700002621 |
| Tubing, AIR 1/4" OD, 1.5M                   | 700002855 |
| VALVE, SOLENOID, 3-WAY, N.O., 24VDC         | 410001350 |
| VALVE, SOLENOID, MANIFOLD, 24VDC            | 700003520 |
| Assy, COMPRESSOR, elevator                  | 700002618 |
| Tubing, POLYURETHANE, 4MM OD X 2.5MM ID, 3M | 700002622 |

### Thermal Improvement Components

|                                       |           |
|---------------------------------------|-----------|
| Assy, BLOWER                          | 700004101 |
| KIT, FAN ASSY, ACQUITY SAMPLE ORG H/C | 700004846 |
| Assy, Cable, elevator LARGE FAN COMBO | 441000902 |
| Assy, Cable, elevator DC POWER        | 441000878 |
| SCREW, M4 X 10                        | 410000419 |

## ACQUITY SAMPLE ORGANIZER

### Other Electrical

|                                             |           |
|---------------------------------------------|-----------|
| Powner Entry Module with LINE Filter 10A    | 700000485 |
| Fuse DRAWER FOR 5X20MM FuseS                | 700001502 |
| Fuse 10A 250V 5X20mm FAST IEC VDE CSA<br>UL | 700002577 |

### Miscellaneous

|                         |           |
|-------------------------|-----------|
| Foot, Instrument, Short | 415000454 |
| Hardware Kit            | 205000341 |
| Start Up Kit            | 200000205 |

## ACQUITY COLUMN HEATER SPARE PARTS

|                                              |           |
|----------------------------------------------|-----------|
| Assy, Column heater Cover,Front (non hinged) | 700002587 |
| Column Clips, Column heater, 10 Pack         | 205000263 |
| Thermal PADS, 2 Pack                         | 425000536 |
| Passive Column Stabilizer 50/100 mm          | 205000291 |
| Passive Column Stabilizer 150 mm             | 205000365 |
| HTCH, Column Stabilizer 50/100mm             | 205000489 |
| HTCH, Column Stabilizer 150mm                | 205000494 |
| Assy Cable, I - Button                       | 279000899 |
| Rod Ends, Snap on Bails, PKG 4               | 700003787 |
| Kit, Column In-line Filter with 5 FRITS      | 205000343 |
| Kit, replacement FRITS, 5 Pk                 | 700002775 |
| Ferrule PEEK, 1/16, HPFT, PKG 10             | 700003114 |
| Collet, Reusable, HPFT, 2 Pk                 | 700003115 |
| COMP SCR, Reusable, HPFT, Gold, Pk 2         | 700003116 |
| Column heater replacement (hinged)           | 700003698 |

## ACQUITY COLUMN MANAGER & COLUMN HEATER COOLER

### PCB and Electrical

|                                   |           |
|-----------------------------------|-----------|
| Assy, PCB, CPU2000                | 700001518 |
| Assy, PCB, ACQUITY column Manage  | 700003801 |
| Assy, PCB, Ethernet Switch        | 700003191 |
| POWER SUPPLY, 420 WATT, 24VDC     | 700002623 |
| Assy, engine, H/C, column Manager | 700003152 |

### Valves

|                                       |           |
|---------------------------------------|-----------|
| Assy, Valve, Switching, High Pressure | 700003144 |
| Assy, Cartridge, 7 PORT Switching     | 700003145 |

### Tubing

|                                                   |           |
|---------------------------------------------------|-----------|
| Assy, Tube HEATER BYPASS, SHORT                   | 700003158 |
| Assy, Tube HEATER BYPASS, LONG                    | 700003159 |
| Assy, PRE-HEATER, 4 COLUMN, H/C w/<br>Tubes       | 700003816 |
| Assy, POST-HEATER, 4 COLUMN, H/C                  | 700003155 |
| SET OF 4, Tube POST-HEATER, .0025"                | 430001715 |
| SET OF 4, Tube POST-HEATER, .004"                 | 430002148 |
| Tubing, OUTLET, .0025"ID X 15", column<br>Manager | 700003442 |
| Tubing, OUTLET, .004"ID X 15", column<br>Manager  | 700003799 |
| Tubing, ROLL, .0025"ID X 60"                      | 700003443 |
| Tubing, ROLL, .004"ID X 60"                       | 700003799 |
| Kit, Gasket/Tubing, Thermal, PREHEATER            | 700003157 |
| Assy, Tube RIGHT inlet, SM INJECT VALVE           | 430001722 |
| Kit, Post Column Tubing, .004 ID                  | 700004161 |
| Kit, Post Column Tubing, .0025ID                  | 700004162 |
| Kit, inlet LINE EXT., LH column Manager           | 205000538 |

## ACQUITY COLUMN MANAGER & COLUMN HEATER COOLER

|                                          |           |
|------------------------------------------|-----------|
| <b>Cables</b>                            |           |
| THERMISTOR, 30K, FLAG MOUNT              | 700003166 |
| Assy, Cable, Supply ON/OFF & Fan Status  | 700003165 |
| Assy, Cable, ON/OFF Switch               | 441000651 |
| Assy, Cable, AC Module to Supply         | 441000656 |
| Assy, Cable, COLUMN TAGS EXTENSION       | 441000659 |
| Assy, Cable, CHASSIS GROUND              | 441000715 |
| Assy, Cable, DC POWER                    | 441000716 |
| Assy, Cable, Internal Ethernet           | 441000767 |
| Assy, Cable, DC PWR, Ethernet Switch BOX | 441000922 |
| Assy, Cable, Column Status LED's         | 441000660 |
| Assy, Cable, Four Column Tag             | 441000661 |

|                                            |           |
|--------------------------------------------|-----------|
| <b>Misc. Panels &amp; Etc.</b>             |           |
| Top Panel Kit with Jumper                  | 205000450 |
| Cover, column Manager                      | 400001845 |
| Assy, Door column Manager                  | 700003160 |
| Gasket, Door Seal, column Manager          | 700003147 |
| Gasket, Door column Manager                | 700003161 |
| Gasket, Side, H/C, RIGHT                   | 700003153 |
| Gasket, Side, H/C, LEFT                    | 700003154 |
| Kit, COL MGR, Slide Rail, Drawer & Chassis | 700003148 |
| Tray Drip, Valves, column Manager          | 700003149 |
| Tray Drip, Chamber, column Manager         | 700003385 |
| Assy, Drip Tray DETECTOR BI-PASS           | 700003162 |

## ACQUITY COLUMN MANAGER & COLUMN HEATER COOLER

### Misc. Panels & Etc. - continued

|                                            |           |
|--------------------------------------------|-----------|
| Tray Drip, Exit, column Manager            | 700003164 |
| CLIP, SNAP-IN, 1/16 Tubing                 | 700003151 |
| ROD, RETAINER, COLUMN                      | 700003156 |
| CLIP, I-BUTTON CORD                        | 700003167 |
| Filter, AIR, column Manager                | 700003146 |
| COLUMN Support CLIP, COLUMN MGR, (10 Pack) | 205000478 |
| LATCH, DRAWER, column Manager              | 400001890 |
| Bezel, I-BUTTONS, column Manager           | 400001963 |
| PIN, HINGE, Door column Manager            | 405005216 |
| BRACKET, HINGE, Door column Manager        | 415000889 |
| LABEL, column Manager                      | 615003847 |

### Fittings

|                                           |           |
|-------------------------------------------|-----------|
| Ferrulle PEEK, 1/16, HPFT, PKG 10         | 700003114 |
| COLLET, REUSABLE, HPFT, PKG 10            | 700003168 |
| COMP, SCREW, HPFT, GOLD, W/ HOLES, PKG 10 | 700003169 |
| FITTING, 10-32, ONE-PIECE, MODIFIED 10PK  | 700004841 |

### Other Electrical

|                                    |           |
|------------------------------------|-----------|
| POwner Entry Module with 10A Fuse  | 700002577 |
| POwner Entry Module with Filter LS | 700003763 |
| Assy, FAN, 24V, 54.7 CFM           | 700003189 |

## ACQUITY COLUMN MANAGER & COLUMN HEATER COOLER

| <b>Miscellaneous</b>                      |           |
|-------------------------------------------|-----------|
| START UP Kit, column Manager              | 200000236 |
| 2 PIN SHORTING JUMPER                     | WAT072940 |
| MULTI-TOOL, COLLET & COMP. SCREW,<br>HPFT | 700003170 |
| Nut Extender, Flangeless, Right Angle     | 410001941 |
| PEEK Tubing CUTTER                        | 700001012 |
| SHIPPING BOX, column Manager              | 290000850 |

## ACQUITY LEFT HAND COLUMN MANAGER & HEATER COOLER

|                                         |           |
|-----------------------------------------|-----------|
| Kit, inlet LINE EXT., LH column Manager | 205000538 |
|-----------------------------------------|-----------|

## ACQUITY HIGH TEMPERATURE COLUMN HEATER, 90 DEGREE

| <b>PCB and Electrical</b>                  |           |
|--------------------------------------------|-----------|
| PCB, Ethernet                              | 700003191 |
| PCB, HTCH REAR PANEL                       | 700003704 |
| PCB, Sample Manager Personality, 90 Degree | 700003576 |
| PCB, SM REAR PANEL                         | 700003705 |

| <b>Cables</b>                        |           |
|--------------------------------------|-----------|
| EXTERNAL Cable, SM TO HTCH           | 441000871 |
| Cable, Column heater Power           | 441000838 |
| Cable, Ethernet Power                | 441000842 |
| Cable, I Button                      | 279001389 |
| Cable, Ethernet TO CH REAR PANEL I/O | 441000852 |

## ACQUITY HIGH TEMPERATURE COLUMN HEATER, 90 DEGREE

|                                         |           |
|-----------------------------------------|-----------|
| <b>Tubing</b>                           |           |
| Kit, HTCH PRE-HEATER STABILIZER 50MM    | 205000489 |
| Kit, HTCH PRE-HEATER STABILIZER 150MM   | 205000494 |
| <b>Assemblies</b>                       |           |
| Column heater replacement SPARE         | 700003702 |
| Assy, HTCH 90 DEGREE                    | 186015010 |
| Kit, Column heater with STABILIZER      | 700003698 |
| <b>Miscellaneous</b>                    |           |
| START UP Kit, HTCH                      | 200000237 |
| Assy, COLUMN Inline Filter              | 205000343 |
| Replacement FRITS, COLUMN Inline Filter | 700002775 |
| COLUMN Support CLIP, 10 Pack            | 205000478 |
| Thermal Gasket 3 Pack                   | 425000613 |
| SCREW, M3 PAN Head                      | 410002083 |

## ACQUITY - 30 CM COLUMN HEATER

Note: This uses all standard 2695 Column heater spare parts

|                                 |           |
|---------------------------------|-----------|
| <b>PCB and Electrical</b>       |           |
| Ethernet Switch, 10/100, 8 PORT | 725000455 |
| <b>Cables</b>                   |           |
| INTERFACE Cable                 | 700002146 |
| Y-Cable                         | 700004442 |

## ACQUITY - 30 CM COLUMN HEATER

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| Assy, inlet Tube SS, 24IN             | 430001923 |
| Assy, Tube HPLC, Post Column, .005 ID | 430001919 |

### Miscellaneous

|                                                 |           |
|-------------------------------------------------|-----------|
| Start Up Kit, 30CM Column heater                | 200000238 |
| PEEK Comp Screw Ferr, w/<br>Locking, QTY 5      | 700000991 |
| CLIP, SNAP-IN, 1/16 Tubing, .09 PANEL, PKG<br>5 | 700003792 |
| FITTING, 10-32, ONE-PIECE, MODIFIED 10PK        | 700004841 |

## ACQUITY - LEAK DETECTOR

This requires minimum Version 1.30 Instrument Firmware and ICOP to operate

### Miscellaneous

|                          |           |
|--------------------------|-----------|
| Assy, Leak Sensor, Spare | 205000505 |
|--------------------------|-----------|

### BSM PARTS STARTING AT SN F07UPB416

|                                    |           |
|------------------------------------|-----------|
| Assy, Cable, Leak Sensor, 21IN     | 441000862 |
| PCB, Personality, Leak Sensor, BSM | 700003584 |

### AUTOSAMPLER STARTING AT SN F07UPA461M

|                                   |           |
|-----------------------------------|-----------|
| Assy, Cable, Leak Sensor, 15IN    | 441000866 |
| PCB, Personality, Leak Sensor, SM | 700003576 |



## **ACQUITY - LEAK DETECTOR**

### **COLUMN MANAGER STARTING AT SN F07UPM442M**

|                                      |           |
|--------------------------------------|-----------|
| ASSY, PCB, Personality, Col Mgr w/LD | 700003801 |
| Assy, Cable, Leak Sensor, 15IN       | 441000866 |
| Drip Tray Leak Sensor                | 700003164 |

### **COLUMN H/C STARTING AT SNG07UPC127M**

|                                      |           |
|--------------------------------------|-----------|
| ASSY, PCB, Personality, Col Mgr w/LD | 700003801 |
| Assy, Cable, Leak Sensor, 15IN       | 441000866 |
| Drip Tray Leak Sensor                | 700003164 |

### **ACQUITY TUV STARTING AT SN J07UPT655M**

|                                    |           |
|------------------------------------|-----------|
| PCB, Personality, Leak Sensor, TUV | 700003549 |
| Assy, Cable, Leak Sensor, 21IN     | 441000862 |
| Drip Tray Leak Sensor, TUV         | 700002551 |

### **ACQUITY PDA STARTING AT SN J07UPD824M**

|                                    |           |
|------------------------------------|-----------|
| PCB, Personality, Leak Sensor, PDA | 700003761 |
| Assy, Cable, Leak Sensor, 28IN     | 441000865 |
| Drip Tray Leak Sensor, 2998        | 415000925 |

### **ACQUITY ELS STARTING AT SN J07UPE324M**

|                                    |           |
|------------------------------------|-----------|
| PCB, Personality, Leak Sensor, ELS | 700003260 |
| Assy, Cable, Leak Sensor, 21IN     | 441000862 |
| Drip Tray Leak Sensor, ELS         | 700003762 |

### **ACQUITY FLR STARTING AT SN F07UPF099N**

|                                    |           |
|------------------------------------|-----------|
| PCB, Personality, Leak Sensor, FLR | 700003692 |
| Assy, Cable, Leak Sensor, 21IN     | 441000862 |
| Drip Tray Leak Sensor, FLR         | 415000934 |

## **ACQUITY - LEAK DETECTOR**

### **ACQUITY SQD STARTING AT SN K07SQD165W**

|                                              |           |
|----------------------------------------------|-----------|
| PCB, Personality                             | 700003087 |
| Assy, Cable, Leak Sensor, 21IN, SQD          | 700003814 |
| Leak Sensor, SQD                             | 205000505 |
| Drip Tray Leak Sensor, SHORT SYRINGE,<br>SQD | 700003802 |

### **ACQUITY TQD STARTING AT SN QBA158**

|                                              |           |
|----------------------------------------------|-----------|
| Assy, PCB, Personality                       | 700003087 |
| Assy, Cable, Leak Sensor, 21IN, TQD          | 700003813 |
| Drip Tray Leak Sensor, SHORT SYRINGE,<br>SQD | 700003802 |

## **ACQUITY TUV (OLD TUV, Tan Flowcell)**

### **PCB'S and Electrical**

|                                    |           |
|------------------------------------|-----------|
| Assy, PCB, VISTA TUV Personality   | 700003549 |
| Assy, CPU 2000                     | 700001518 |
| 2487 Lamp Power Supply             | WAS081324 |
| Low Volt Power Supply              | 700002553 |
| PRE AMP, Kit with WAT241049 GLOVES | 700002065 |

### **Optics**

|                                   |           |
|-----------------------------------|-----------|
| PM Kit, ACQUITY TUV               | WAS081142 |
| Optics Bench                      | 700002554 |
| Photo Diodes Matched Pair         | 700002557 |
| Assy, Flow Cell Shunt, CAPLC 2487 | 700002556 |
| ACQUITY UPLC Cell TUV, Standard   | 205015000 |
| ACQUITY UPLC Cell TUV, Low Flow   | 205015001 |
| 2487 M2/M3 mirror                 | WAS081067 |

## ACQUITY TUV (OLD TUV, Tan Flowcell)

### Optics - continued

|                               |           |
|-------------------------------|-----------|
| 2487 Reference Channel Lens   | WAS081071 |
| 2487 Filter WHEEL             | WAS081143 |
| 2487 Grating DRIVE            | WAS081145 |
| M1 mirror, Diamond Turned     | 700001893 |
| 2487 Grating & Busing w/tools | WAS081257 |
| 2487 BEAMSPLITTER Plate       | WAS081271 |
| 2487 Lamp Housing Window      | WAS081341 |
| 2487/2488 LAMP PM PKG         | WAS081142 |

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| Assy, Tube STD FLOW, TUV inlet, .004  | 430001748 |
| Assy, Tube low flow, TUV inlet, .0025 | 430001749 |
| Regulator, Back Pressure              | 700002676 |
| Assy, Tube MS inlet                   | 430001229 |

### Cables

|                                   |           |
|-----------------------------------|-----------|
| Assy Cable Pre-Amp/CPU TUV        | 700002555 |
| LED CableW/ LED'S                 | 700002559 |
| DC SUPPLY Cable                   | 700002560 |
| Assy, CableEthernet               | 700001626 |
| 2487 LAMP-LAMP PS Cable           | WAS081119 |
| 2487 DIODE Cables Kit             | 700001442 |
| 2487 LAMP Thermal Interlock Cable | WAS081175 |

### Misc. Panels & Etc.

|                                     |           |
|-------------------------------------|-----------|
| Bezel, DETECTOR TUV                 | 700002549 |
| Top Cover                           | 400001434 |
| Tray Drip TUV                       | 700002551 |
| ACQUITY TUV Left Side Door Assembly | 700002550 |
| Switch Cover                        | 415000556 |

### **ACQUITY TUV (OLD TUV, Tan Flowcell)**

#### **Other Electrical**

|                                         |           |
|-----------------------------------------|-----------|
| FAN, 487, 92MM X 25MM, 49 CFM           | WAS081212 |
| Assy Lamp Power Supply                  | WAS081324 |
| Fuse,3.15A (250V, 5X20MM), 2pk          | 700001800 |
| Power Entry Module, Filtered            | WAS207063 |
| LED GRN/red Bicolor, T-1 3/4 5mm 2-Lead | 700002552 |
| CBM, Fuse DRAWER, AC                    | WAT055426 |

#### **Miscellaneous**

|                           |           |
|---------------------------|-----------|
| Start Up Kit, ACQUITY TUV | 200000202 |
| Shipping Box              | 290000455 |
| Detector Feet (Qty 4)     | 700004125 |

### **ACQUITY TUV (Blue Flowcell)**

P/N 186015028 SN ≥ K05UPT700N

#### **PCB'S and Electrical**

|                                            |           |
|--------------------------------------------|-----------|
| Assy, PCB, TUV Personality                 | 700003549 |
| CPU PCB                                    | 700005763 |
| 3V Battery for CPU                         | WAT080443 |
| 3V Battery, older CPU 2000                 | 700001834 |
| Lamp Power Supply                          | 700002785 |
| PWR SUP DC 80W MULTI-OUTPUT RMT<br>INHIBIT | 700002553 |
| PRE AMP, Kit with WAT241049 GLOVES         | 700002797 |

## ACQUITY TUV (Blue Flowcell)

P/N 186015028 SN ≥ K05UPT700N

### Optics

|                                          |           |
|------------------------------------------|-----------|
| PM Kit, ACQUITY TUV/PDA LAMP             | WAT052586 |
| 5mm Titanium Flowcell                    | 205000611 |
| Optics Bench                             | 700002880 |
| Photo Diodes Matched Pair                | 700002557 |
| ACQUITY UPLC Cell Nano                   | 205015013 |
| ACQUITY TUV, FLOWCELL, 10mm 500nL        | 205015033 |
| Refurb ACQ TUV Flowcell, Analytical 10mm | 800000231 |
| ACQUITY UPLC ID Cell TUV, HS FC          | 205015018 |
| Refurb ACQ TUV Flowcell, High Sens, 25mm | 800000232 |
| 2487 M2/M3 mirror                        | WAS081067 |
| 2487 REFERENCE CHANNEL LENS              | WAS081071 |
| 2487 Filter WHEEL                        | WAS081143 |
| 2487 Grating DRIVE                       | WAS081145 |
| M1 mirror, DIAMOND TURNED                | 700001893 |
| 2487 Grating & BUSHING W/TOOLS           | WAS081257 |
| 2487 BEAMSPLITTER Plate                  | WAS081271 |
| 2487 Lamp Housing Window                 | WAS081341 |

### Tubing

|                                 |           |
|---------------------------------|-----------|
| Assy, Tube STD, TUV inlet, .004 | 430001748 |
| Regulator, Back Pressure        | 700002676 |
| Assy, Tube MS inlet             | 430001229 |

### Cables

|                               |           |
|-------------------------------|-----------|
| Assy,M CablePRE-AMP/CPU TUV   | 700002555 |
| LED CableW/ LED'S             | 700002559 |
| Assy, Cable, DC SUPPLY        | 700002560 |
| Assy, CableEthernet, Internal | 700001626 |
| Assy, Cable, TUV LAMP-LAMP PS | 441000619 |

### **ACQUITY TUV (Blue Flowcell)**

**P/N 186015028 SN ≥ K05UPT700N**

#### **Cables - continued**

|                             |           |
|-----------------------------|-----------|
| 2487 DIODE Cables Kit       | 700001442 |
| Assy, Power Switch & Cable  | 441000625 |
| Assy, Cable, Thermal Switch | 700002778 |

#### **Misc. Panels & Etc.**

|                                     |           |
|-------------------------------------|-----------|
| Bezel, detector TUV                 | 700002549 |
| Top Cover                           | 400001434 |
| Tray Drip TUV                       | 700002551 |
| ACQUITY TUV Left Side Door Assembly | 700002550 |
| Switch Cover                        | 415000556 |
| Shunt flow cell                     | 700002825 |

#### **Other Electrical**

|                                         |           |
|-----------------------------------------|-----------|
| FAN, TUVE, 92MM X 25MM, 49 CFM          | 441000617 |
| Fuse, 3.15A (250V, 5X20MM), 2pk         | 700001800 |
| Power Entry Module, Filtered            | WAS207063 |
| LED GRN/red Bicolor, T-1 3/4 5mm 2-Lead | 700002552 |
| CBM, Fuse DRAWER, AC                    | WAT055426 |

#### **Miscellaneous**

|                           |           |
|---------------------------|-----------|
| Start Up Kit, ACQUITY TUV | 200000202 |
| Shipping Box              | 290000455 |
| Detector Feet (Qty 4)     | 700004125 |

### **Acquity TUV, Thermally-managed**

**P/N 186015031**

|                                 |           |
|---------------------------------|-----------|
| Performance Plus D2 HB lamp     | 700005269 |
| Low dispersion flowcell, 500 nl | 205015033 |
| Low dispersion flowcell, 250 nl | 205015032 |

## **Acquity TUV, Thermally-managed**

### **P/N 186015031 - continued**

|                            |           |
|----------------------------|-----------|
| Personality Board          | 700005238 |
| 3VC CPU                    | 700005515 |
| Preamp board with cable    | 700005268 |
| Flow cell ID PCB           | 700005285 |
| Filter wheel assembly      | 700005266 |
| Grating drive motor        | 700005249 |
| Grating drive limit sensor | 700005230 |
| Circulator fan             | 700005244 |
| Exhaust fan                | 700005244 |
| Vent fan                   | 700005239 |
| Thermistor                 | 700005243 |

**\*Other parts same as Acq TUV**

## **ACQUITY 2996**

### **PCB'S and Electrical**

|                                 |           |
|---------------------------------|-----------|
| Assy, PCB, 2996 MAIN BOARD, NEW | 700002428 |
| Interconnect PCB Assembly       | 700001669 |
| Assy, PCB, PIC CHARGE AMP       | 700002638 |
| 996 POWER SUPPLY Assy           | WAT057902 |
| LED INTERFACE PCB               | 700002640 |

### **Optics**

|                                  |           |
|----------------------------------|-----------|
| PM Kit, ACQUITY 2996             | WAT052586 |
| ACQUITY UPLC CELL 2996, STANDARD | 205015002 |
| ACQUITY UPLC CELL 2996, LOW FLOW | 205015003 |
| 996 ELLIPTICAL mirror (M1)       | 700000532 |
| 996 BEAM SPLITTER                | 700000530 |
| 996 MERCURY CALIB.Kit 110V       | WAT057790 |
| 996 MERCURY CALIB.Kit 220V       | WAT057791 |
| 996 FEEDBACK REF PHOTO DIODE     | WAT057914 |

## ACQUITY 2996

### Optics - continued

|                                 |           |
|---------------------------------|-----------|
| CAPLC SHUTTER Assy, SPARE       | 700000529 |
| SPARE, 2996 N-WELL PDA Assembly | 700002392 |
| LAMP HOUSING Assembly           | 700000528 |
| SHUNT FLOW CELL                 | 700002649 |
| Spectrograph Assembly           | 700002690 |

### Tubing

|                                          |           |
|------------------------------------------|-----------|
| Regulator, Back Pressure                 | 700002676 |
| Assy, TUBE inlet .004 ID LT PEEK NUT PDA | 430001784 |
| Assy, Tube LOW FLOW, 2996 inlet, .0025   | 430001783 |
| Assy, Tube MS inlet                      | 430001229 |

### Cables

|                                              |           |
|----------------------------------------------|-----------|
| 996 PDA Video Cable                          | WAT057310 |
| Assy, Cable, RS232, 2996                     | 441000376 |
| Led Control Cable                            | 700002639 |
| Fiber Optic Cable                            | 289001761 |
| Fiber Optic Cable Keyed - Spectrograph Input | 700000517 |

### Misc. Panels & Etc.

|               |           |
|---------------|-----------|
| PDA Door Assy | 700002685 |
|---------------|-----------|

### Other Electrical

|                          |           |
|--------------------------|-----------|
| Thermal Switch, Threaded | WAT057588 |
|--------------------------|-----------|

### Miscellaneous

|                            |           |
|----------------------------|-----------|
| Cuttuer, Capillary Tubing  | 605000101 |
| CAPLC Peek Tubing Cutter   | 700001012 |
| Kit, connector             | WAT015139 |
| Start Up Kit, ACQUITY 2996 | 200000203 |
| Shipping Box               | 290000468 |



## **ACQUITY PDA**

### **PCB'S and Electrical**

|                            |           |
|----------------------------|-----------|
| CPU PCB                    | 700005763 |
| 3V Battery for CPU         | WAT080443 |
| 3V Battery, older CPU 2000 | 700001834 |
| Personality PCB            | 700003761 |
| DC Low Voltage Power Sup.  | 700002553 |
| Power Supply HB Lamp       | 700002785 |
| CHARGE AMP PCB             | 700002786 |

### **Optics**

|                                          |           |
|------------------------------------------|-----------|
| PM Kit, D2, PDA HIGH BRIGHTNESS LAMP     | 201000186 |
| ACQUITY PDA, FLOWCELL, 10mm 500nL        | 205015036 |
| Refurb ACQ PDA Flowcell, Analytical 10mm | 800000229 |
| ACQ., UPLC ID Cell PDA, High Sensitivity | 205015019 |
| Refurb ACQ PDA Flowcell, High Sens, 25mm | 800000230 |
| 5mm Titanium Flowcell                    | 205000613 |
| ACQ PDA Flowcell HT, 3MM                 | 205015006 |
| Mediam Shunt Cell                        | 700002874 |
| D2, PDA High Brightnes Lamp              | 201000186 |
| M1                                       | 700002776 |
| M1 Mask                                  | 405003705 |
| Beamsplitter                             | 700002777 |
| Filter Wheel Assy                        | 700002779 |
| M2 mirror                                | 700002781 |
| M2 mirror mask                           | 405003559 |
| APERTURE HOLDER Assy                     | 700002780 |
| PDA DEVICE Assy                          | 700002783 |

## ACQUITY PDA

### Tubing

|                                          |           |
|------------------------------------------|-----------|
| Assy, Tube inlet .004 ID LT Peek Nut PDA | 430001784 |
| Back Pressure Regulator                  | 700002676 |

### Cables

|                                   |           |
|-----------------------------------|-----------|
| Power Switch & Cable              | 441000625 |
| Rear Analog Output Cable          | WAT057235 |
| Lamp Power Supply Cable           | 441000619 |
| DC Power Cable                    | 441000620 |
| HB Lamp Control Cable             | 441000623 |
| Power Status LED Cable            | 441000579 |
| ASSY, CABLE, INTERNAL RS-232, BGM | 700001520 |
| Thermal Switch CableAssy          | 700002778 |
| Assy, Cable, Ethernet             | 700001626 |

### Miscellaneous Panels & Etc.

|                          |           |
|--------------------------|-----------|
| Multi-Detector Drip Tray | 205000355 |
| Optics Drip Tray         | 415000681 |
| Heat Plenum              | 400001599 |
| Top Cover                | 400001643 |
| Door                     | 415000667 |
| Hinge Pin                | 405003110 |
| Left Door Bracket        | 415000644 |
| Light Pipe (order 2)     | 405003109 |
| PDA Label                | 615003779 |
| Detector Feet (Qty 4)    | 700004125 |

### Other Electrical

|                                     |           |
|-------------------------------------|-----------|
| Thermal Switch, THREADED            | WAT057588 |
| Fuse,3.15A (250V, 5X20MM),2pk       | 700001800 |
| I/O Signal connectorYS, 10 Position | 323000247 |
| MAIN FAN Assy                       | 441000617 |

## ACQUITY PDA

### Miscellaneous

|                           |           |
|---------------------------|-----------|
| Start Up Kit, ACQUITY PDA | 200015026 |
| Shipping Box              | 290000468 |

### elambda PDA ONLY

|                           |           |
|---------------------------|-----------|
| Charge amp board          | 700003769 |
| Photodiode array assembly | 700004034 |

\*Other parts same as Acq PDA

### Acquity PDA, Thermally-managed, p/n 186015032

|                                 |           |
|---------------------------------|-----------|
| Performance Plus D2 HB lamp     | 700005269 |
| Low dispersion flowcell, 500 nl | 205015036 |
| Low dispersion flowcell, 250 nl | 205015035 |
| Personality Board               | 700005420 |
| 3VC CPU                         | 700005515 |
| Charge amp board                | 700005512 |
| Flow cell ID PCB                | 700005285 |
| Circulator fan                  | 700005244 |
| Exhaust fan                     | 700005244 |
| Vent fan                        | 700005239 |
| Thermistor                      | 700005243 |

\*Other parts same as Acq PDA

### Acquity PDA elambda, Thermally-managed, p/n 186015033

|                             |           |
|-----------------------------|-----------|
| Charge amp board            | 700005425 |
| Photodiode array            | 700004034 |
| Performance Plus D2 HB lamp | 700005269 |

**Acquity PDA elambda, Thermally-managed,  
p/n 186015033 - continued**

|                                 |           |
|---------------------------------|-----------|
| Low dispersion flowcell, 500 nl | 205015036 |
| Low dispersion flowcell, 250 nl | 205015035 |
| Personality Board               | 700005420 |
| 3VC CPU                         | 700005515 |
| Flow cell ID PCB                | 700005285 |
| Circulator fan                  | 700005244 |
| Exhaust fan                     | 700005244 |
| Vent fan                        | 700005239 |
| Thermistor                      | 700005243 |

**\*Other parts same as Acq PDA elambda**

**ACQUITY ELSD  
PCB'S and Electrical**

|                              |           |
|------------------------------|-----------|
| Front End Board              | 700001470 |
| CPU PCB                      | 700005763 |
| 3V Battery for CPU           | WAT080443 |
| 3V Battery, older CPU 2000   | 700001834 |
| 2424, ASSY, PCB, Personality | 700003260 |
| 200W Power Supply            | 700002806 |

**Optics**

|                         |           |
|-------------------------|-----------|
| ACQUITY ELS/2420 PM Kit | 201000159 |
| Optics Bench            | 700002803 |
| Lens Condenser          | 402000183 |
| Lens Relay              | 402000184 |
| Lens Collector          | 402000185 |
| Photodiode              | 700002375 |
| PMT                     | 402000182 |
| PMT Socket              | 700002804 |

## ACQUITY ELSD

### Optics - continued

|                       |           |
|-----------------------|-----------|
| Mirror                | 402000187 |
| Sheath Flow Gasket    | 425000442 |
| Window                | 700002802 |
| Optics Thermal Switch | WAT081175 |

### Tubing

|                                              |           |
|----------------------------------------------|-----------|
| PREFORMED SIPHON Drain TUBE                  | 700002801 |
| Tubing Pnuemantics to Nebulizer              | 700002792 |
| Tubing Exhaust Trap Outlet                   | 700002811 |
| Assy Tub, Std Flow .004 ID ELSD Inlet        | 430001562 |
| Assy Tube, 14.0 LG X .004 ID ELSD Inlet      | 430001565 |
| 3/8 IN. ID Waste Tubing                      | 430001556 |
| Tubing ELSD COLUMN TO inlet, .004" x 6.0"    | 430001562 |
| Tubing UV OUTLET TO ELS inlet, .004" x 14.0" | 430001565 |
| Desolvation Oven Assembly                    | 700002814 |
| Nebulizer heater/cooler Assembly             | 700002807 |
| ACQUITY ONLY nebulizer                       | 205000342 |
| Nebulizer Gas Fittings                       | 410000817 |
| FAN Assembly                                 | 279000637 |
| EXHAUST TRAP Assembly                        | 700002682 |
| PNUEMATICS Assembly                          | 700002805 |

### Cables

|                            |           |
|----------------------------|-----------|
| DC HARNESS                 | 441000621 |
| LAMP POWER Cable           | 441000386 |
| AC POWER Cable             | 441000624 |
| Event Cable, 6FT           | 441000373 |
| Analog Output Signal Cable | WAT057235 |
| Assy, Cable Ethernet       | 700001626 |
| Power Switch & Cable       | 279001116 |

## ACQUITY ELSD

### Misc. Panels & Etc.

|                       |           |
|-----------------------|-----------|
| Door ACQUITY ELS      | 700002817 |
| Side Filler Panel     | 700002808 |
| Front Bezel           | 700002809 |
| Detector Feet (Qty 4) | 700005764 |

## ACQUITY FLR

### PCB'S and Electrical

|                                  |           |
|----------------------------------|-----------|
| FRONT END BOARD                  | 700001470 |
| CPU PCB                          | 700005763 |
| 3V Battery for CPU               | WAT080443 |
| 3V Battery, older CPU 2000       | 700001834 |
| Assy, PCB, Personality FLR       | 700003692 |
| 200W POWER SUPPLY                | 700002553 |
| ASSY PSU XENON/MERCURY LAMP 150W | 700004124 |
| 24 VOLT RELAY                    | 700001633 |

### Optics

|                            |           |
|----------------------------|-----------|
| ACQUITY FLR PM Kit         | 201000193 |
| Photodiode                 | 700001624 |
| PMT                        | 700001623 |
| PMT Socket                 | 700001625 |
| M1 mirror                  | 700001893 |
| M2 mirror                  | 700001644 |
| M3 mirror                  | 205000342 |
| M3 mirror mounting ring    | 700003431 |
| OPTICS Window              | 700001619 |
| Excitation Grating BUSHING | 700001639 |
| Emission Grating Bushing   | 700001640 |
| Emission Grating Motor     | 700001642 |

## ACQUITY FLR

### Optics - continued

|                           |           |
|---------------------------|-----------|
| Excitation Grating Motor  | 700001643 |
| Emission Home Sensor      | 700001646 |
| Excitation Home Sensor    | 700001647 |
| Filter Wheel Assembly     | 700001638 |
| Emission Cam and Pulley   | 700001648 |
| Excitation Cam and Pulley | 700001649 |
| Thermal Switch Assembly   | 700001476 |
| ACQUITY FLR Flow Cell     | 700003711 |

### Cables

|                                     |           |
|-------------------------------------|-----------|
| Lamp Power Supply Cable             | 700001627 |
| Internal Ethernet Cable             | 700001626 |
| Internal RS-232 Cable               | 700001628 |
| Anode Cable Lamp PS to Lamp Housing | 700001629 |
| Front Ed Amplifier Ribbon Cable     | 700001630 |
| Assy, Power Switch & Cable          | 441000527 |

### Miscellaneous

|                                 |           |
|---------------------------------|-----------|
| FAN Assembly                    | 700001615 |
| MAGNETIC REED Switch            | 700001473 |
| REED Switch MAGNET              | 700001475 |
| AC inlet module w/o Fuse Tray   | WAS207063 |
| AC inlet Fuse Tray              | WAT055426 |
| Fuse, 3.15A (250V, 5X20MM), 2pk | 700001800 |
| 10 position I/O connector       | 323000247 |
| Detector Feet (Qty 4)           | 700004125 |

## ACQUITY DATA PRODUCTS

### Empower 2 and 3

#### Instrument Control Software

|                                       |           |
|---------------------------------------|-----------|
| ACQUITY Systems Driver Pack June 2011 | 667004296 |
| Hitachi Rev 05                        | 667004090 |
| Shimadzu GC                           | 667004368 |
| Shimadzu LC                           | 667004221 |
| 6850 v1.2                             | 667003518 |
| WFC IIII 1.1                          | 205000823 |
| eProducts                             | 667003688 |
| Agilent LC 1.06                       | 667003705 |
| Agilent Infinity (1290/1260)          | 667004374 |
| 2707 ICS 1.20                         | 667004130 |
| Headspace v2.0                        | 667003493 |
| 2489 (see Acquity)                    | 667004296 |
| 2998 (see Acquity)                    | 667004296 |
| SQ/TQ (See Acquity)                   | 667004296 |
| 3100 v1.32                            | 667003660 |

#### INSIGHT

|                                         |           |
|-----------------------------------------|-----------|
| ACQUITY UPLC Sys. June 2011 Driver Pack | 667004296 |
|-----------------------------------------|-----------|

#### MISC.

|                                             |           |
|---------------------------------------------|-----------|
| Ethernet Switch                             | 725000455 |
| Cable, 10 BASE T                            | WAT069054 |
| IEEE to Ethernet Converter                  | 668000287 |
| RS232 Cable, 10 FT, Comm port to Instrument | 700002045 |
| Ethernet Cable, 2 Foot Long                 | 441000562 |
| Ethernet Cable, 3 Foot Long                 | 441000455 |
| Ethernet Cable, 5 Foot Long                 | 441000456 |
| Ethernet Cable, 7 Foot Long                 | 441000457 |
| Ethernet Cable, 10 Foot Long                | 441000372 |
| Ethernet Cable, 25 Foot Long                | 441000371 |



## RECOMMENDED SPARE PARTS FOR FIELD STOCK

### SOLVENT MANAGER

|                                               |           |
|-----------------------------------------------|-----------|
| Assy, Primary CV, SPRING-LOADED               | 700002596 |
| Assy, Accumulator CV, dual B/S                | 700002968 |
| .0787 ID, Wash Seal, 2 Pack                   | 700002598 |
| .0787 ID, UP30 Head Seal & S/W Spacer, 2 Pack | 700002599 |
| PLUNGER, .0787 DIA X 1.415, 2 Pack            | 700002600 |
| O-RING, Teflon 2-016                          | WAT076152 |
| TUBE Assy, PUMP OUT, .010" FOR EVERFLOW INJ   | 430001486 |

### SAMPLE MANAGER

|                                              |           |
|----------------------------------------------|-----------|
| SYRINGE, 2.5 mL                              | 700002569 |
| SYRINGE, 100 uL, HP                          | 700002570 |
| O-RING, 002, KALREZ                          | 700002572 |
| Assy, Needle, SAMPLE, .010 I.D.              | 700002644 |
| Assy, Tube INJECT OUTLET, .005ID X 11", UPLC | 430001084 |
| Assy, Tube INJECT OUT, .005ID X 11", HPLC    | 430001221 |

### PDA

|                                       |           |
|---------------------------------------|-----------|
| Assy, Tube STD FLOW, PDA inlet, .004  | 430001784 |
| Assy, Tube LOW FLOW, PDA inlet, .0025 | 430001784 |

### TUV

|                                       |           |
|---------------------------------------|-----------|
| Assy, Tube STD FLOW, TUV inlet, .004  | 430001784 |
| Assy, Tube low flow, TUV inlet, .0025 | 430001749 |

### Other

|                                        |           |
|----------------------------------------|-----------|
| UPLC UV S/U Test Solution              | 700002669 |
| ACQUITY UPLC MS-START UP TEST SOLUTION | 700002741 |
| Assy, Tube MS inlet                    | 430001229 |

## ACQUITY MISCELLANEOUS

### Miscellaneous

|                                |             |
|--------------------------------|-------------|
| ASSY, BOTTLE TRAY              | 289002414   |
| ACQUITY SYSTEM START UP Kit    | 200000198   |
| TOUCH UP PAINT, DARK BLUE      | 700002673   |
| TOUCH UP PAINT, LIGHT BLUE     | 700002672   |
| BATTERY, 3VDC FOR CPU2000      | 700001834   |
| 2 PIN SHORTING JUMPER          | WAT072940   |
| E DOCUMENT SET                 | 71520082521 |
| TAPE, Teflon, 1/4" X 600" ROLL | 700003538   |

### Tools

|                                        |           |
|----------------------------------------|-----------|
| MULTI-TOOL, COLLET & COMP. SCREW, HPFT | 700003170 |
| NUT EXTENDER, FLANGELESS, RIGHT ANGLE  | 410001941 |
| GLOVES, NITRILE, SIZE 7, 3 PAIRS       | 700002964 |
| GLOVES, NITRILE, SIZE 9, 3 PAIRS       | 700002965 |
| Tubing CUTTER, PEEK                    | 700001012 |
| TEACH PIN BLOCK                        | 415000692 |
| Teach block                            | 415000692 |
| Seal EXTRACTION, TOOL, .0787 DIA, BSM  | 700003521 |
| METRIC ALLEN WRENCH SET, FOLDING       | WAT272059 |
| METRIC ALLEN WRENCH SET                | 700000882 |

### Fittings and Tubing

|                                              |           |
|----------------------------------------------|-----------|
| SCREWS, COMP, GOLD, LONG, PKG 10             | 700002645 |
| SCREWS, COMP, GOLD, SHORT, PKG 10            | 700002634 |
| Ferrule Set, TWO-PIECE SWAGELOCK, Pkg 10     | 700002635 |
| PIN Plug, VALCO metal, 5 Pack, for UPLC      | 700002747 |
| UNION, .020 ID, V-DETAIL                     | 700002636 |
| Ferrulle PEEK, W/ SS LOCK RING, 1/16         | 410000763 |
| Ferrulle PEEK, W/ SS LOCK RING, 1/16, PKG 10 | 410000901 |
| FITTING, 10-32, ONE-PIECE, MODIFIED 10PK     | 700004841 |

## ACQUITY MISCELLANEOUS

### Fittings and Tubing - continued

|                                            |           |
|--------------------------------------------|-----------|
| Ferrule PEEK, 1/16, HPFT, PKG 10           | 700003114 |
| COLLET, REUSABLE, HPFT, PKG 2              | 700003115 |
| COMP Screw, Reusable, HPFT, GOLD, Pkg 2    | 700003116 |
| COMP, Screw, HPFT, GOLD, W/ HOLES, Pkg 10  | 700003169 |
| 1/4" Y connector                           | 410000704 |
| 1/4" x 28, PLUG, Teflon                    | 700002342 |
| PEEK Comp Screw, Ferr, w/Lockfing, Qty 5   | 700000991 |
| Tubing, ROLL, .0025"ID X 60"               | 700003443 |
| Tubing, ROLL, .004"ID X 60"                | 700003799 |
| ACQUITY Tubing and Fittings Kit            | 700004067 |
| PEEK MICRO-T Fitting                       | 700004068 |
| Assy, Tube PEEK, .005"ID X 20"LONG, red    | 430000922 |
| Assy, Tube PEEK, .005"ID X 24"LONG, red    | 430001229 |
| Assy, Tube PEEK, .005"ID X 1/16" x 60" red | WAT022995 |

### Fuses

|                                          |           |
|------------------------------------------|-----------|
| Fuse 5A 250V 5X20 SLO BLO IEC VDE CSA UL | 700002604 |
| Fuse, 10A 5MMX20MM, SLO BLOW             | 700002577 |
| Fuse, 3.15A (250V, 5X20MM), 2pk          | 700001800 |
| Fuse, 0.25A 250V SMD 4000A INTERR 242.25 | 700002576 |
| Fuse, 3A, MICROFuse                      | 700001002 |
| Fuse 0.5A, SMD                           | 700001371 |
| Fuse 0.5A 125V SLO-BLO LITTLEFuse (5PK)  | 700004470 |

### Shipping Containers

|                                              |           |
|----------------------------------------------|-----------|
| Shipping Box, ACQUITY TUV                    | 290000455 |
| Shipping Box, ACQUITY SM                     | 290000456 |
| Shipping Box, ACQUITY Binary Solvent Manager | 290000457 |
| Shipping Box, ACQUITY PDA                    | 290000468 |
| Shipping Box, ACQ Flex Cart                  | 290000908 |

## ACQUITY MISCELLANEOUS

### Shipping Containers - continued

|                                               |           |
|-----------------------------------------------|-----------|
| Shipping Box, column mgr                      | 290000850 |
| Wooden Shipping Crate, ACQUITY TUV            | 290000508 |
| Wooden Shipping Crate, ACQUITY Sample Manager | 290000506 |
| Wooden Shipping Crate, ACQUITY BSM            | 290000507 |
| Wooden Shipping Crate, ACQUITY Sample Org     | 290000504 |
| Wooden Shipping Crate, ACQUITY PDA            | 290000505 |

### ACQUITY Upgrades

|                                             |           |
|---------------------------------------------|-----------|
| ACQUITY INTERNAL Waste ADAPTER Kit          | 700002821 |
| ACQUITY BSM I-2-V Parts Bundle (No PCBS)    | 205000480 |
| THF/HEXANE Modification Kit, FOR Passive CV | 205000464 |
| THF/HEXANE Modification Kit, for I-2-V CV   | 205000551 |
| Kit, Leak Sensor Assembly                   | 205000505 |

### User Documentation

|                       |           |
|-----------------------|-----------|
| ACQUITY UPLC Info Set | 716001664 |
|-----------------------|-----------|

### Column Kits

|                                                 |           |
|-------------------------------------------------|-----------|
| ACQUITY UPLC BEH C18 1.74 x 1.0mm x 50mm, 3pk - | 176000861 |
| ACQUITY UPLC Column Kit #2, 1.0mm x 100mm       | 176000862 |
| ACQUITY UPLC BEH c18 1.74 x 2.1mm x 50mm, 3 pk  | 176000863 |

## ACQUITY UPLC w/2D Technology

### Kits

|                                               |           |
|-----------------------------------------------|-----------|
| Kit, ACQUITY UPLC 2D Technology SS Valves     | 205000952 |
| Kit, Startup, ACQUITY 2D Systems              | 200000309 |
| Kit, Startup, ACQUITY H-Class Bio 2D Sys      | 200000310 |
| Kit, MS/PDA/TUV Installation Chemistry Kit-2D | 176015020 |

### Tubing

|                                         |           |
|-----------------------------------------|-----------|
| ASSY, WELDED TUBE, SST, 22.5 LG, HP     | 430002717 |
| ASSY, WELDED TUBE, MP35N, 22.5 LG, HP   | 430002718 |
| ASSY, WELDED TUBE, SST, WASTE, CM-A     | 430002727 |
| ASSY, WELDED TUBE, SST, .007 x 19.0 LG  | 430002738 |
| ASSY, WELDED TUBE, SST, .004 x 27.0 LG  | 430002739 |
| ASSY, WELDED TUBE, SST, 44.0 LG, LP     | 430002772 |
| ASSY, WELDED TUBE, MP35N, BY-PASS, CM-A | 430002779 |
| ASSY, WELDED TUBE, MP35N, 6.0 LG, HP    | 430002972 |
| ASSY, WELDED TUBE, MP35N, 27.0 LG, HP   | 430002974 |
| ASSY, WELDED TUBE, MP35N, 36.0 LG, HP   | 430002977 |
| ASSY, WELDED TUBE, MP35N, 44.0 LG, HP   | 430002980 |
| ASSY, WELDED TUBE, SST, 6.0 LG, HP      | 430002983 |
| ASSY, WELDED TUBE, SST, 36.0 LG, HP     | 430002986 |
| ASSY, WELDED TUBE, SST, 44.0 LG, HP     | 430002992 |
| ASSY, WELDED TUBE, SST, .007 x 14.5 LG  | 430002996 |
| ASSY, WELDED TUBE, SST, .007 x 22.5 LG  | 430002999 |
| ASSY, WELDED TUBE, SST, .007 x 27.0 LG  | 430003002 |
| ASSY, WELDED TUBE, SST, .007 x 36.0 LG  | 430003005 |
| ASSY, WELDED TUBE, SST, .007 x 6.0 LG   | 430003008 |
| ASSY, WELDED TUBE, SST, 19.0 LG, HP     | 700005479 |
| ASSY, WELDED TUBE, MP35N, 14.5 LG, HP   | 700005481 |
| ASSY, WELDED TUBE, MP35N, 19.0 LG, HP   | 700005484 |
| ASSY, WELDED TUBE, SST, 22.5 LG, LP     | 700005480 |
| ASSY, WELDED TUBE, MP35N, 22.5 LG, LP   | 700005485 |

## ACQUITY UPLC w/2D Technology

### Tubing - continued

|                                        |           |
|----------------------------------------|-----------|
| ASSY, WELDED TUBE, SST, 14.5 LG, LP    | 700005477 |
| ASSY, WELDED TUBE, MP35N, 14.5 LG, HP  | 700005482 |
| ASSY, WELDED TUBE, SST, 19.0 LG, LP    | 700005478 |
| ASSY, WELDED TUBE, MP35N, 19.0 LG, LP  | 700005483 |
| ASSY, WELDED TUBE, SST, 36.0 LG, LP    | 700005532 |
| ASSY, WELDED TUBE, SST, 22.5 LG, LP    | 700005535 |
| ASSY, WELDED TUBE, SST, 14.5 LG, HP    | 700005476 |
| ASSY, WELDED TUBE, SST, 19.0 LG, HP    | 700005479 |
| ASSY, WELDED TUBE, SST, 22.5 LG, HP    | 430002717 |
| TUBE ASSY, SYSTEM OUTLET, SDS 0.010 ID | 430001486 |
| Tube, .062 X .004, Peek, 60"           | 700003799 |
| Y-CONNECTOR, BARBED, 1/4" ID TUBE      | 410000704 |
| TUBING ETFE .062X.020X36               | WAT088562 |

### Fittings

|                                           |           |
|-------------------------------------------|-----------|
| FERRULE, SET, .062, TWO-PIECE, PKG 10     | 700002635 |
| SCR,COMP, 10-32, 304SS, GOLF,LG,PKG 10    | 700002645 |
| FERRULE, PEEK, 1/16, HPFT, PKG 10         | 700003114 |
| SCREW, COMP, HPFT, GOLD, PLATED, PKG 2    | 700003116 |
| SCREW, COMP, HPFT, Gold, Plated, (PKG 10) | 700003169 |
| COLLET, HPFT, PKG 2                       | 700003115 |
| COLLET HPFT (PKG 10)                      | 700003168 |
| SCREW, M2.5 X 8 SKT HD CAP, SST           | 410001365 |

### Miscellaneous

|                                        |           |
|----------------------------------------|-----------|
| ASSY, BOTTLE TRAY                      | 289002414 |
| MULTI-TOOL, COLLET & COMP. SCREW, HPFT | 700003170 |

## ACQUITY UPLC H-Class QUARternary SOLVENT MANAGER

### PCB

|                                        |           |
|----------------------------------------|-----------|
| ASSY, PCB, QSM Pump ROHS               | 700005156 |
| ASSY, PCB, DEGASSER TRANSDUCER         | 700005157 |
| ASSY, PCB, QSM Transducer Interconnect | 700005158 |
| ASSY, PCB, 3V CCPU                     | 700005155 |
| POWER SUPPLY, QSM                      | 700005159 |

### Electrical

|                                        |           |
|----------------------------------------|-----------|
| FAN, 92MM X 25MM, 49 CFM, ROHS         | 700005160 |
| FUSE SMD 3A 125V 2/pk                  | 700001002 |
| FUSE .5A 125V FAST ACTING + SMD HOLDER | 700001371 |
| FUSE 0.5A 125V SMD SLO-BLO 5/pk        | 700004470 |
| FUSE 0.75A 125V SMD VRY-FST-ACT        | 700005154 |
| FUSE SMD 5A 125V+HOLDER, 2/pk          | 700001840 |
| FUSE SMD 2A 125V + HOLDER, 2/pk        | 700001001 |
| SMD FUSE BLOCK W/FUSE 125V 7A          | WAT290188 |
| BATTERY,LITHIUM 484                    | WAT080443 |
| VENT VALVE DRIVE WITHOUT CARTRIDGE     | 700005163 |

### Fluidic

|                                       |           |
|---------------------------------------|-----------|
| UPLC ACTUATOR without CV              | 700002985 |
| ASSY, Cartridge, Vent Valve           | 700002660 |
| TRANSDUCER ASSY, HEAD MOUNTED, 15KPSI | 700002594 |
| SUPPORT PLATE, THICKENED,VHP HEAD     | 700002601 |
| 15KPSI HEAD                           | 700002595 |
| Assy, Barbed Seal Wash Housing        | 700002597 |
| PLUNGER, .0787 DIA X 1.415            | 700002600 |
| .0787 ID, FLOATING FLANGED, WASH SEAL | 700002598 |

## ACQUITY UPLC H-Class QUARTERNARY SOLVENT MANAGER

### Fluidic - continued

|                                          |           |
|------------------------------------------|-----------|
| .0787 ID, FLANGED, UP 30 SEAL,REDUCED BP | 700002599 |
| O-RING, 2-016, TEFLON                    | WAT076152 |
| ASSY, GPV, Dual Channel, QSM             | 700005161 |
| ASSY, QSM, I2V                           | 700005162 |
| ASSY, CARTRIDGE, I2V, PLATE CLAMP        | 700005165 |
| ASSY, Check Valve Double Ball and Seat   | 700005164 |
| PUMP SOLENOID                            | WAT270926 |
| MANIFOLD, 4 INLET, MALE 5/16-32 OULET    | 405010508 |
| ASSY, MIXER, 100uL, QSM                  | 700005119 |
| ASSY, MIXER, 22UL, QSM                   | 205000731 |
| ASSY, MIXER, 250UL, QSM                  | 205000719 |
| Filter, Solvent Bottle, SS, PKG1         | 700003615 |
| Filter, Solvent Bottle, SS, PKG 7        | 700003616 |
| FILTER, GPV, 20 MICRON FRIT 4/pk         | 700005173 |

### Degasser

|                                          |           |
|------------------------------------------|-----------|
| PUMP, VACUUM, DEGASSER AF                | 700001352 |
| DEGASSER, SINGLE CHANNEL, 18" AF         | 700005172 |
| FITTING, ELBOW, 1/8" BARB, POLYPRO       | 410003121 |
| FITTING, BARBED, 1/8" TUBING, 4-WAY THRU | 410003122 |
| Flow Restrictor, Degasser                | 410003124 |

### Cables

|                                           |           |
|-------------------------------------------|-----------|
| ASSY, CABLE, LEAK DETECTOR TO PCB, 21"    | 441000862 |
| ASSY, CABLE RS232, CPU PCB TO CONTROL PCB | 441000957 |
| ASSY, CABLE, QSM GPV VALVES               | 441000967 |
| ASSY, CABLE, QSM ETHERNET                 | 441000968 |



## ACQUITY UPLC H-Class QUARTERNARY SOLVENT MANAGER

### Cables - continued

|                                     |           |
|-------------------------------------|-----------|
| ASSY, CABLE, QSM VACUUM SENSOR      | 441000971 |
| ASSY, CABLE, QSM PUMP MOTORS        | 441000972 |
| ASSY, CABLE, QSM PWR-STAT ON/OFF SW | 441000973 |
| ASSY, CABLE, QSM I2V RECEPT TO BRD  | 441000974 |
| ASSY, CABLE, QSM DEGASSER MOTOR     | 441000975 |
| ASSY, CABLE, QSM TRANSDUCER         | 441000997 |
| ETHERNET PATCH CORD, SHIELDED, 2FT. | 441000562 |

### Tubing

|                                                 |           |
|-------------------------------------------------|-----------|
| ASSY, TUBE, HEAD TO TRANSDUCER                  | 430001120 |
| ASSY, TUBE, DEGASSER TO GPV, QSM                | 430002208 |
| Assy, Tube, Transducer - Vent Valve, QSM        | 430002316 |
| ASSY, TUBE, Vent Valve P4 to Waste, QSM         | 430002317 |
| ASSY, TUBE, VENT VALVE P2 TO FILTER, QSM        | 430002319 |
| ASSY, Tube, Transducer to Check Vlv, QSM        | 430002357 |
| ASSY, TUBE, MIXER MANIFOLD TO I2V, FP           | 430002400 |
| ASSY, TUBE, GPV-D TO Mixer Manifold, QSM        | 430002387 |
| ASSY, TUBE, GPV-C TO Mixer Manifold, QSM        | 430002388 |
| ASSY, TUBE, GPV-A TO Mixer Manifold, QSM        | 430002389 |
| ASSY, TUBE, GPV-B TO Mixer Manifold, QSM        | 430002390 |
| TUBE ASSY, SOLVENT INLET, QSM                   | 430002333 |
| TUBING, .062 ID X .125 OD, ETFE                 | WAT270988 |
| TUBING, .437 X .312, TYGON 2075                 | 700001591 |
| TUBING, .375 OD X .250 ID, TYGON 2075, 5 ft     | 700001796 |
| Tubing, 3/16" OD X 1/16" ID, TYGON 2275, 25 in. | 700003751 |
| TUBING, .375 OD X .250 ID, TYGON 2075, 5 ft     | 700001796 |
| TUBING, .250X.125, SANTOPRENE, 10ft             | 700005171 |

## ACQUITY UPLC H-Class QUARTERNARY SOLVENT MANAGER

### Fittings

|                                             |           |
|---------------------------------------------|-----------|
| SCR,COMP,10-32,1/4 HEX,304 SS,GOLD PLT      | 700002634 |
| SCR,COMP,10-32,LG 1/4 HEX,304SS GLD PLT     | 700002645 |
| FERRULE, SET, .062, TWO-PIECE               | 700002635 |
| 2690 1/16 FERRULE 2 PIECE                   | WAT271023 |
| FITTING,PEEK,5/16-24, 1/16"Tube w lock ring | 700005259 |
| FERRULE, FLANGELESS, TEFZEL, LOCK RING      | 700003796 |
| SCR FLANGLS COMP(1/4-28)1/8 ID              | WAT271028 |
| FITTING, BARBED, .062                       | 405003015 |
| ADAPTER, FEMALE LUER TO BARBED              | 410001380 |
| PIN PLUG, 1/16", HIGH PRESSURE, 5/pk        | 700002747 |
| PLUG, ONE-PIECE, 10-32, CONED               | 410001400 |
| NUT, COMPRESSION, 5/16-32, KNURLED          | 700005178 |

### Panels and Chassis

|                                   |           |
|-----------------------------------|-----------|
| ASSY, DOOR, MOLDED, QSM           | 700005166 |
| FILTER, AIR, DOOR, QSM            | 700005167 |
| ASSY, DRIP TRAY, FRONT, QSM       | 700005168 |
| SKIN, RIGHT SIDE, STL QSM CHASSIS | 700005169 |
| Cover, Chassis, Steel, QSM        | 700005170 |
| Drip Tray, GPV-DEGASSER, QSM      | 415001439 |
| Drip Tray, Front Top, QSM         | 415001454 |
| Label, DEGASSER-GPV, QSM          | 615004074 |
| LABEL, PUMP QSM, UPLC             | 615004075 |
| Label, Degasser, SM Syringe, QSM  | 615004114 |
| LABEL, ACQUITY, WATERS            | 615003683 |
| FOOT, PLASTIC                     | 700001548 |

## ACQUITY UPLC H-Class QUARTERNARY SOLVENT MANAGER

### Miscellaneous

|                                 |           |
|---------------------------------|-----------|
| H-CLASS QSM PM KIT              | 201000233 |
| ACQUITY QSM Start Up Kit        | 200000257 |
| BOX, ACQUITY UPLC QSM           | 290001182 |
| KIT, ACQUITY H-CLASS HEXANE/THF | 205000661 |
| NEEDLE,HYPO. 17 GAGE SS         | WAT041958 |
| SYRINGE,PLASTIC, 30 ML          | WAT270949 |
| SSV-Kit                         | 205000660 |
| SSV-Pod                         | 700005408 |
| Tube, SSV - Degasser            | 430002332 |
| Tube, Inlet to SSV              | 430002326 |

## ACQUITY UPLC H-Class ACQUITY SAMPLE MANAGER - FLOW THROUGH NEEDLE

### PCB

|                                |           |
|--------------------------------|-----------|
| PCB, SM-FTN, Control PCB       | 700005227 |
| PCB, SM-FTN, MTR / HC Driver   | 700005228 |
| PCB, Sensor Interface Bd       | 700005195 |
| PCB, Ambient Temp Sensor       | 700005196 |
| ASSY, PCB, 3V CCPU             | 700005155 |
| ETHERNET CARD, LCC             | 700005206 |
| Power Supply, 400 WATT, 24 VDC | 700005198 |
| Engine, H/C, Sample Manager    | 700005197 |

### Electrical

|                                      |           |
|--------------------------------------|-----------|
| INJECT VALVE DRIVE WITHOUT CARTRIDGE | 700005163 |
| TRANSDUCER, PRESSURE W/ 6 PIN CONN.  | 700005204 |
| VACUUM WASH PUMP, FTN                | 700005202 |

**ACQUITY UPLC H-Class**  
**ACQUITY SAMPLE MANAGER - FLOW THROUGH**  
**NEEDLE**

|                                        |           |
|----------------------------------------|-----------|
| <b>Electrical - continued</b>          |           |
| VALVE, SOLENOID, 2 WAY, WASH           | 700005205 |
| Thermistor, Autosampler, Non-Linear    | 279000962 |
| FAN, 12V, 27.1 CFM                     | 700005219 |
| FAN, 24V, 70.5 CFM                     | 700005220 |
| FAN, 24V, 8.1 CFM                      | 700005229 |
| SMD Fuse Block w/fuse 125V 7A          | WAT290129 |
| FUSE 0.1A 250V SMD 4000A INTERR - 2 Pk | 700005296 |
| BATTERY,LITHIUM 484                    | WAT080443 |

|                                        |           |
|----------------------------------------|-----------|
| <b>Fluidics</b>                        |           |
| ASSY, NEEDLE 15UL, WITH GUIDE AND SEAT | 700005215 |
| Seat, Vespel w/anti-rot                | 405011492 |
| GUIDE, SAMPLE NEEDLE                   | 405008854 |
| Assy, Cartridge, Inject Valve          | 700005236 |
| 50UL EXTENTION LOOP                    | 430002012 |
| 100UL EXTENTION LOOP                   | 430002011 |
| 250UL EXTENTION LOOP                   | 430002007 |
| SYRINGE, 100UL                         | 700002570 |
| Waste Valve, Inline 1/4-28 Threads     | 410003180 |
| UNION, 1/4-28, THRU                    | 410001281 |
| ASSY, VALVE, INJECTOR                  | 700005203 |
| Housing, Needle Seal & Wash w/Overflow | 700005226 |
| FITTING, 1/4-28, PEEK                  | 700005297 |
| Syringe, 250 UL                        | 410001347 |
| Syringe, 500 UL                        | 410001647 |

**ACQUITY UPLC H-Class**  
**ACQUITY SAMPLE MANAGER - FLOW THROUGH**  
**NEEDLE**

|                                             |           |
|---------------------------------------------|-----------|
| <b>Mechanical</b>                           |           |
| Needle Carriage, SM-FTN                     | 700005225 |
| Stationary Retainer Port with Spring & Cup  | 700005242 |
| UPPER SUPPORT SLEEVE & OVERFLOW CUP         | 700005176 |
| ASSY, SAMPLE TRAY, 2 DRAWER, MAGNETIC       | 700005209 |
| MOTOR, THETA DRIVE                          | 700005222 |
| MOTOR, Z-ZP MECHANISM                       | 700005223 |
| MOTOR, R DRIVE                              | 700005224 |
| SYRINGE DRIVE, METERING, HIGH RATIO         | 700005201 |
| MOTOR, METERING SYRINGE VALVE               | 700005232 |
| MOTOR, METERING SYRINGE DRIVE               | 700005233 |
| BELT, 1/4 WD, .080 P, URETHANE              | 405005462 |
| Timing Belt, GT2, 285T, 2MM P               | 410002739 |
| PULLEY, TIMING, .08 P X 42 G, FAIRLOC       | 405010357 |
| PULLEY, GT2 TIMING BELT, 16 GR              | 410002737 |
| <b>Cables</b>                               |           |
| ASSY, LOAD CELL CABLE                       | 279001865 |
| PCB, Flex Cable, Needle Carr                | 700005174 |
| Assy, Cable, A/S Sample Lamp                | 441000982 |
| ASSY, NEEDLE CARR HOME SENSOR CABLE         | 441000936 |
| ASSY, Cable, Metering Syr/MSV Home Sensor   | 441000954 |
| ASSY, CABLE, AC INLET TO POWER SUPPLY       | 441000939 |
| ASSY, CABLE, ON/OFF Switch to Power Supply  | 441000940 |
| ASSY, CABLE, Power Supply to Driver PCB     | 441000941 |
| Assy, Cable, Flat, Control PCB to Interface | 441000953 |
| Assy, Cable, Leak DET. Extension            | 441000955 |
| Assy, Cable, Front Bezel, CPSM              | 441000956 |

**ACQUITY UPLC H-Class**  
**ACQUITY SAMPLE MANAGER - FLOW THROUGH**  
**NEEDLE**

**Cables - continued**

|                                            |           |
|--------------------------------------------|-----------|
| ASSY, CABLE, ETHERNET, CPU PCB TO ESB PCB  | 441000958 |
| ASSY, CABLE, 24VDC, CONTROL PCB TO ESB PCB | 441000959 |
| ASSY, CABLE, TRAY SELECT SWITCH            | 441000962 |
| ASSY, CABLE, RS232, CPU PCB TO CONTROL PCB | 441000957 |
| ASSY GROUND WIRE 2487                      | WAT081335 |

**Tubing**

|                                     |           |
|-------------------------------------|-----------|
| Tube Assy, Solvent Inlet, SM2       | 700005214 |
| SEAL EXTENSION TUBE                 | 700005234 |
| ASSY, TUBE, OUT, WASH PUMP          | 430002345 |
| ASSY, TUBE, FEED, INJECTION PORT    | 430002346 |
| ASSY, TUBE, FEED, SYRINGE           | 430002347 |
| Assy, Tube, Feed, transducer        | 430002348 |
| ASSY, TUBE, FEED, INJECTION VALVE   | 430002349 |
| ASSY, TUBE, WASTE, EXT., INJ. VALVE | 430002360 |
| Assy, Tube, Waste, Inj. Vlv         | 430002362 |

**Panels and Chassis**

|                                          |           |
|------------------------------------------|-----------|
| ASSEMBLY, BEZEL                          | 700005200 |
| ASSY, FLUIDICS DOOR                      | 700005207 |
| ASSY, DOOR, Autosampler                  | 700005208 |
| COVER, TOP, Autosampler                  | 700005211 |
| Panel, Side, RH Autosampler              | 700005212 |
| AIR FILTER, SIDE PANEL                   | 401000694 |
| SCREW, PANEL, M4 X 10, BLUE              | 410001262 |
| FOAM, INSULATOR, CHASSIS, FL W/SO FILLER | 700005241 |

**ACQUITY UPLC H-Class**  
**ACQUITY SAMPLE MANAGER - FLOW THROUGH**  
**NEEDLE**

|                                       |           |
|---------------------------------------|-----------|
| <b>Panels and Chassis - continued</b> |           |
| Coupling, Flex, 5mm I.D., SST         | 410003141 |
| Gasket, Drain .63 OD X .36 ID         | 425000795 |
| Assy, Drip Tray, Upper, Fluidics      | 700005210 |
| DRIP TRAY, FLUIDICS                   | 415001358 |
| DRIP TRAY, LOWER, BEZEL               | 700005213 |
| <b>Miscellaneous</b>                  |           |
| H-CLASS SM-FTN PM KIT                 | 201000234 |
| ACQUITY SM-FTN Start Up Kit           | 200000261 |
| BOX, SHIPPING, SM-FTN                 | 290001191 |

**ACQUITY UPLC H-Class**  
**ACQUITY SAMPLE MANAGER - CPSO**

|                                  |           |
|----------------------------------|-----------|
| <b>Mechanical</b>                |           |
| Kit , Shelf Stabilization kit    | 700005699 |
| SO HW kit                        | 205000819 |
| SO S/U kit ( shelf & HW)         | 200000314 |
| Assy, Rotary Tray CPSO FTN       | 700005752 |
| Assy, X Axis Transfer            | 700005753 |
| Assy, Y Transfer mechanism       | 700005754 |
| Assy, Latch Actuator carousel    | 700005755 |
| Assy, Pcb, Carousel latch sensor | 700005756 |
| Assy, Pneumatic Panel            | 700005749 |
| Assy Air regulator(internal)     | 410001210 |
| Assy, E-chain                    | 700005751 |
| Assy, Valve flow control .125    | 410003796 |
| Assy, Cable Plate Present Sensor | 441001130 |
| Assy, Amplifier cpso             | 700005757 |

## ACQUITY UPLC H-Class ACQUITY SAMPLE MANAGER - CPSO

### Mechanical - continued

|                                                 |           |
|-------------------------------------------------|-----------|
| Kit, Calibration Block & Diagnostic             | 205000858 |
| Shelf, Storage ( 5 pkg)                         | 700005778 |
| ASSY, Storage Shelf, Elevator Stabilized (1pkg) | 700005919 |
| Acquity UPLC Sample Organizer (CPSO) PM Kit     | 201000208 |

## ACQUITY UPLC H-Class ACQUITY COLUMN HEATER SPARE PARTS

### PCB

|                                |           |
|--------------------------------|-----------|
| PCB, CH-A Active Column Heater | 700005250 |
|--------------------------------|-----------|

### Fluidics

|                                          |           |
|------------------------------------------|-----------|
| ACQUITY UPLC CH-A Active Pre-Heater, SS  | 205000730 |
| ACQUITY UPLC CH-A Active Pre-heater, BIO | 205000756 |

### Cables

|                                          |           |
|------------------------------------------|-----------|
| CABLE, I BUTTON, CH-A                    | 700005251 |
| ASSY, CABLE, Door Sensor Magnet Switch   | 441001041 |
| ASSY, CABLE, DB25M-F, RIGHT ANGLE, 4 FT. | 441001040 |

### Panels and Chassis

|                                             |           |
|---------------------------------------------|-----------|
| KIT, Extension Arm, HTCH-A                  | 205000726 |
| DRIP TRAY, MS EXTENSION                     | 415001608 |
| FRONT END, CH-A                             | 700005247 |
| KIT, LATCH, PULL, CH-A                      | 700005248 |
| Elbow, Drain, 1/8 NPT to Barbed             | 415000680 |
| DRIP TRAY, COLUMN HEATER                    | 415000975 |
| RETAINER CLIP, TROUGH, APH                  | 415001544 |
| Cartridge Holder w/clip, APH                | 700005217 |
| Foot, Rubber, .75 DIAMETER X .28 TALL, 4 Pk | 700004125 |
| DOOR MAGNET                                 | 410003267 |



## ACQUITY UPLC H-Class ACQUITY COLUMN HEATER SPARE PARTS

### Miscellaneous

|                                            |           |
|--------------------------------------------|-----------|
| Column Support Clip, 10 PK                 | 205000478 |
| TUBING, 0.375 OD X .250 ID, TYGON, 5 FT    | 700001796 |
| Box, Shipping, ACQUITY UPLC CH-A           | 290001193 |
| START UP KIT, ACQUITY Column Heater-Active | 200000270 |
| 2A FUSE, QTY 2                             | 700001001 |
| Fuse3.5A 125Vdc F NANOFUSE SMT- 2 PK       | 700005216 |

## ACQUITY UPLC H-Class Column Manager - Active

### PCB and Electrical

|                         |           |
|-------------------------|-----------|
| PCB, 3V CCPU            | 700005155 |
| PCB, PERSONALITY BOARD  | 700005431 |
| POWER SUPPLY, CM-A      | 700005433 |
| ASSY, ENGINE, H/C, CM-A | 700005437 |

### Valves

|                              |           |
|------------------------------|-----------|
| 15k PSI, Cartridge, SS       | 700005438 |
| 15k PSI, Cartridge, Titanium | 700005461 |
| Valve, Switching, High PSI   | 700005163 |

### Cables

|                                |           |
|--------------------------------|-----------|
| ASSY, DOOR SENSOR, MAG. SWITCH | 441001041 |
| Assy, RS232 to Rear Panel      | 441000957 |
| ASSY, ETHERNET                 | 441000968 |
| ASSY, CHASSIS GROUND           | 441000715 |
| ASSY, Leak Sensor to PCB       | 441001048 |
| ASSY, COLUMN TAG               | 700005462 |
| ASSY, Ribbon Preheater, ext    | 441001137 |

## ACQUITY UPLC H-Class Column Manager - Active

### Compartment Assemblies and Panels

|                                |           |
|--------------------------------|-----------|
| Dual Column Trough             | 700005434 |
| Front Cover, Dual Column       | 700005439 |
| Therman Gasket, Engine         | 700005445 |
| Assy, Front Door, CM-A         | 700005443 |
| APH Retainer                   | 415001544 |
| Drip Tray, Upper               | 700005440 |
| Standard Foot, Rubber .75 dia  | 700004125 |
| Top, Cover, Panel              | 700005442 |
| Right Side Panel               | 700005441 |
| Latch Set, Trough Cover        | 700005980 |
| Screw, Latch, 5MM X 4 LG       | 410001295 |
| PCB Standoff, 0.625 LG         | 410001195 |
| Label, Column Manager - A      | 615003847 |
| Air Filter, Side Panel, Intake | 401000813 |
| Insulation, H/C Engine         | 401000845 |
| Door magnet                    | 405011414 |
| Bracket, Leak Sensor           | 400004360 |
| Drip Tray, Lower, leak sensor  | 415001787 |
| Drip Tray, Detector BI-PASS    | 700005440 |

### Fittings

|                                |           |
|--------------------------------|-----------|
| Ferrule, PEEK 1/16, 10 pkg     | 700003114 |
| Dual Thread, SS, Gold Screw    | 410003354 |
| Screws, Gold, Long, 10 pkg     | 700002645 |
| Ferrule, 2-piece Swage 10pkg   | 700002635 |
| Pin Plug, Hi PSI 1/16", 5 pkg  | 700002747 |
| Black, 1-piece fitting, 10 pkg | 700004841 |

## ACQUITY UPLC H-Class Column Manager - Active

### Other Electrical

|                             |           |
|-----------------------------|-----------|
| BATTERY,LITHIUM 484         | WAT080443 |
| FUSE SMD 2A 125V, Qty 2     | 700001001 |
| FUSE SMD 3A 125V, Qty 2     | 700001002 |
| FUSE SMD 5A 125V, Qty 2     | 700001840 |
| FUSE 10A SMD 125V, fast-act | 700005430 |
| ASSY, FAN, CM-A             | 700005432 |

### Miscellaneous

|                                 |           |
|---------------------------------|-----------|
| CM-A and CM-Aux PM Kit          | 201000207 |
| START UP KIT, CM-A              | 200000280 |
| NUT TOOL, RIGHT ANGLE           | 410001941 |
| Nute Tool, Extender Long        | 700002875 |
| PEEK TUBING CUTTER              | 700001012 |
| Swivel Drain, Standalone,Black  | 205000499 |
| Ext Foot, Rubber, .62DIA.X.75   | WAT078180 |
| Tx Screw, M4 X 25, ext foot     | WAT411425 |
| TYGON Drain Tubing, 5-ft        | 700001796 |
| ACQUITY Col. In-Line Filter Kit | 205000343 |
| LEAK SENSOR ASSEMBLY            | 205000505 |
| PIN 2 SHORTING JUMPER           | WAT072940 |
| SHIPPING BOX, CM                | 290001232 |
| Column Support Clip, 10 PK      | 205000478 |

### Valve and Tubing Sets, Stainless Steel

|                            |           |
|----------------------------|-----------|
| Valve Cartridges, SS CM-A  | 205000768 |
| Set, CM-A Tubing, 2 Column | 205000764 |
| Set, CM-A Tubing, 4 Column | 205000765 |
| Set, CM-A Tubing, 6 Column | 205000767 |
| Set, CM-A Tubing, 4x50mm   | 205000804 |

## ACQUITY UPLC H-Class Column Manager - Active

### Stainless Steel Tubing, .004" ID

|                              |           |
|------------------------------|-----------|
| ASSY, SST, 14.5 LG, HP       | 700005476 |
| ASSY, SST, 14.5 LG, LP       | 700005477 |
| ASSY, SST, 19.0 LG, LP       | 700005478 |
| ASSY, SST, 19.0 LG, HP       | 700005479 |
| ASSY, SST, 22.5 LG, LP       | 700005480 |
| SST, BY-PASS Tubing .005" ID | 430002725 |
| Waste Tubing Assy, CM-A      | 430002727 |

### Valve and Tubing Sets, MP35N

|                            |           |
|----------------------------|-----------|
| Valve Cartridges, TI CM-A  | 205000773 |
| Set, CM-A Tubing, 2 Column | 205000778 |
| Set, CM-A Tubing, 4 Column | 205000779 |
| Set, CM-A Tubing, 6 Column | 205000780 |
| Set, CM-A Tubing, 4x50mm   | 205000805 |

### MP35N Tubing, .004" ID

|                                |           |
|--------------------------------|-----------|
| ASSY, MP35N, 14.5 LG, HP       | 700005481 |
| ASSY, MP35N, 14.5 LG, LP       | 700005482 |
| ASSY, MP35N, 19.0 LG, LP       | 700005483 |
| ASSY, MP35N, 19.0 LG, HP       | 700005484 |
| ASSY, MP35N, 22.5 LG, LP       | 700005485 |
| MP35N, BY-PASS Tubing .005" ID | 430002779 |
| Waste Tubing Assy, CM-A        | 430002727 |

### Active Pre Heaters

|                          |           |
|--------------------------|-----------|
| APH SS 12.5" LG, .004 ID | 205000730 |
| APH BIO MP35N 12.5" LG   | 205000756 |
| APH SS 18.5" LG, .004 ID | 205000774 |
| APH BIO MP35N 18.5" LG   | 205000775 |

## ACQUITY UPLC H-Class Auxiliary Column Manager - A

### PCB and Electrical

|                         |           |
|-------------------------|-----------|
| PCB, PERSONALITY BOARD  | 700005431 |
| POWER SUPPLY, CM-A      | 700005433 |
| ASSY, ENGINE, H/C, CM-A | 700005437 |

### Cables

|                             |           |
|-----------------------------|-----------|
| External Control Cable, SDL | 441001095 |
|-----------------------------|-----------|

### Compartment Assemblies and Panels

|                                |           |
|--------------------------------|-----------|
| Dual Column Trough             | 700005434 |
| Front Cover, Dual Column       | 700005439 |
| Assy, Front Door, CM-AUX       | 700005758 |
| Drip Tray, Upper               | 700005440 |
| Latch Set, Trough Cover        | 700005980 |
| Screw, Latch, 5MM X 4 LG       | 410001295 |
| Air Filter, Side Panel, Intake | 401000813 |
| Drip Tray Detector             | 415001773 |
| Lower Drip Tray, CM-AUX        | 415001788 |

### Miscellaneous

|                              |           |
|------------------------------|-----------|
| Drain Tbg, Upper Aux to CM-A | 430002826 |
| Drain Tbg, CM-A to Lower Aux | 430002827 |
| Column Support Clip, 10 PK   | 205000478 |

## ACQUITY UPLC H-Class 30-cm Column Heater Active (CH-30A)

### PCB and Electrical

|                     |           |
|---------------------|-----------|
| PCB, CH-30A COL HTR | 700005509 |
|---------------------|-----------|

## ACQUITY UPLC H-Class 30-cm Column Heater Active (CH-30A)

### Tubing

|                               |           |
|-------------------------------|-----------|
| CH-30A Tubing Kit, SST        | 205000791 |
| Tube, Outlet, SST, 22.5" lg   | 700005535 |
| Tube, Outlet, SST, 36" lg     | 700005532 |
| CH-30A Tubing Kit, Bio        | 205000792 |
| Tube, Outlet, MP35N, 22.5" lg | 700008914 |
| Tube, Outlet, MP35N, 36" lg   | 700008915 |

### Cables

|                                 |           |
|---------------------------------|-----------|
| External Contro,Right Angle 4ft | 441001040 |
| ASSY, Door Sensor, Mag. Switch  | 441001041 |
| Cable I Button                  | 700005462 |
| Leak Detect Cable               | 441000862 |
| ASSY, CH-30A DOOR SWITCH        | 700005531 |
| ASSY, PRE-HEATER TO PCB         | 441001131 |

### Compartment Assemblies and Panels

|                            |           |
|----------------------------|-----------|
| ASSY, BLANK, TROUGH CLIP   | 700005516 |
| Fan Assy                   | 700005510 |
| TRAY, DRIP CH-30A          | 700005517 |
| Front Door Assy            | 700005503 |
| RETAINER CLIP, TROUGH, APH | 415001544 |
| COLUMN SUPPORT CLIP, 10 PK | 205000478 |
| SCR, M4 X 10, SEMS         | 410000419 |

### Fittings

|                                         |           |
|-----------------------------------------|-----------|
| ASSY,PRE-HEATER TO COLUMN TUBE          | 700005533 |
| ASSY,PRE-HEATER TO COLUMN, RE-USABLE    | 700005534 |
| FITTING, 10-32, ONE-PIECE, MODIFIED     | 700004841 |
| ASSY,PRE-HEATER TO COLUMN,MP35N         | 700008917 |
| ASSY,PRE-HEATER TO COLUMN,MP35N, RE-USA | 700008918 |

## ACQUITY UPLC H-Class 30-cm Column Heater Active (CH-30A)

### Other Electrical

|                       |           |
|-----------------------|-----------|
| FUSE 3.5A 125Vdc, 2pk | 700005216 |
| FUSE SMD 2A 125V, 2pk | 700001001 |

### Miscellaneous

|                      |           |
|----------------------|-----------|
| SHIPPING BOX, CH-30A | 290001238 |
| CH-30A Startup Kit   | 200000267 |
| LEAK SENSOR ASSEMBLY | 205000505 |

### Active Pre Heater

|                          |           |
|--------------------------|-----------|
| APH SS 12.5" LG, .004 ID | 205000730 |
| APH BIO MP35N 12.5" LG   | 205000756 |
| APH SS 23" LG, .004 ID   | 205000776 |
| APH BIO MP35N 23" LG     | 205000777 |

## ACQUITY UPLC I-Class Binary Solvent Manager

### PCB and Electrical

|                                        |           |
|----------------------------------------|-----------|
| ASSY, PCB, 3V CCPU, AHCT               | 700005763 |
| ASSY, PCB, SMT DEGAS                   | 700002511 |
| ASSY, PCB, PERSONALITY, I-2-V / LD BSM | 700003584 |
| ASSY, PCB, Transducer Interconnect     | 700002591 |
| Assy, Power Supply, 250W, SSI          | 700002592 |

### Pump

|                                |           |
|--------------------------------|-----------|
| UPLC ACTUATOR 20K, DUAL SPRING | 700006044 |
| TRANSDUCER ASSY, 20K           | 700006045 |
| PUMP HEAD, 18K DUAL: SPRING    | 700006047 |

## ACQUITY UPLC I-Class Binary Solvent Manager

### Pump - continued

|                                                       |           |
|-------------------------------------------------------|-----------|
| ASSY, PRIMARY CV, SPRING-LOADED                       | 700002596 |
| ASSY, Accumulator CV, DUAL BALL AND SEAT              | 700002968 |
| SEAL WASH HOUSING, DUAL SEAL                          | 700006046 |
| .0787 ID, WASH SEAL, 2 PACK                           | 700006048 |
| Head Seal DUAL SPRING PERF PLUS, 2 Pk                 | 700006050 |
| PLUNGER, .0787 DIA X 1.415, 2 PACK                    | 700002600 |
| O-RING,TEFLON 2-016                                   | WAT076152 |
| SUPPORT PLATE,THICKENED,VHP HEAD                      | 700002601 |
| ASSY, MIXER, 100UL, ZIRCONIA, 18K                     | 205000854 |
| DRAIN FITTING, BARBED FITTING                         | 415000221 |
| SOLVENT BOTTLE FILTER, CRITICAL CLEAN SS,<br>7 PACK   | 700003616 |
| SOLVENT BOTTLE FILTER, CRITICAL CLEAN SS,<br>1 PACK   | 700003615 |
| SOLVENT BOTTLE FILTER, TITANIUM, 7 PACK               | 700003530 |
| SOLVENT BOTTLE FILTER, TITANIUM, 1 PACK               | 700003546 |
| PRIMARY INLET CHECK VALVE Filter Kit (2PK)            | 700002912 |
| ASSY, CARTRIDGE, FILTER, SS FRIT (2PK)                | 700002913 |
| KIT, PRIMARY INLINE FILTER, TITANIUM<br>W/TUBES (2PK) | 700003784 |
| CARTRIDGE, PRIMARY FILTER, TITANIUM (2PK)             | 700003785 |

### Intelligent Intake Valve Components

|                                              |           |
|----------------------------------------------|-----------|
| ASSY, CV CARTRIDGE, Intelligent Intake (2PK) | 700003563 |
| ASSY, INTELLIGENT INTAKE ACTUATOR            | 700003557 |
| ASSY, TUBE, XDUCER TO Check Valve, NP35N     | 430002583 |
| ASSY, TUBE, SSV TO INTELLIGENT INTAKE        | 430001443 |
| FUSE 0.5A 125V SLO-BLO LITTLEFUSE (5PK)      | 700004470 |



## ACQUITY UPLC I-Class Binary Solvent Manager

### Degasser

|                                    |           |
|------------------------------------|-----------|
| PUMP,VACUUM,DEGASSER AF            | 700001352 |
| ASSEMBLY, DEGASSER CHAMBER         | 700002602 |
| DEGASSER CHAMBER, STENTED, ACQUITY | 700003753 |

### Valves

|                                             |           |
|---------------------------------------------|-----------|
| VALVE, SOLENOID, SOLVENT SELECT,<br>BIOCHEM | 700002603 |
| ASSY, CARTRIDGE, VENT VALVE, 18K            | 700006052 |
| 2690 SEALWASH PUMP SOLENOID                 | WAT270926 |
| ASSY, DRIVE, VENT VALVE                     | 700006054 |

### Tubing

|                                                     |           |
|-----------------------------------------------------|-----------|
| ASSY, TUBE, SSV TO INTELLIGENT INTAKE               | 430001443 |
| ASSY, TUBE, ACCUM "B" XDUCER - Vent Vlv             | 430001199 |
| ASSY, TUBE, ACCUM "A" XDUCER - Vent Vlv             | 430001200 |
| ASSY, TUBE, VENT VALVE PORT 5 TO<br>TEE/FILTER      | 430001207 |
| ASSY, TUBE, VENT VALVE PORT 2 TO<br>TEE/FILTER      | 430001208 |
| ASSY, TUBE, VENT VALVE PORT 1 TO WASTE              | 430001209 |
| ASSY, TUBE, VENT VALVE PORT 4 TO WASTE              | 430001210 |
| ASSY, TUBE, VENT VALVE PORT 1 TO WASTE,<br>0.010"ID | 430001893 |
| ASSY, TUBE, VENT VALVE PORT 4 TO WASTE,<br>0.010"ID | 430001894 |
| ASSY, TUBE, DEGASSER PORT B2 TO SSV B               | 430001113 |
| ASSY, TUBE, DEGASSER PORT B1 TO SSV B               | 430001114 |
| ASSY, TUBE, DEGASSER PORT A1 TO SSV A               | 430001115 |
| ASSY, TUBE, DEGASSER PORT A2 TO SSV A               | 430001116 |

## ACQUITY UPLC I-Class Binary Solvent Manager

### Tubing - continued

|                                             |           |
|---------------------------------------------|-----------|
| ASSY, TUBE, HEAD OUTLET TO XDUCER INLET     | 430002472 |
| ASSY, TUBE, XDUCER TO CHECK VALVE,<br>NP35N | 430002583 |
| TUBE ASSY, SOLVENT INLET, SDS               | 430002800 |
| TUBE, DRAIN, TOP TRAY TO BOTTOM TRAY        | 430001080 |
| TUBING, SEAL WASH REPLACEMENT, 38"          | 700002505 |
| TUBING PHARMED 1/4"OD X 1/8"ID              | WAT073630 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| ASSY, Cable, Internal Ethernet         | 700001626 |
| ASSY, Cable Internal RS232             | 700001520 |
| ASSY, Cable, DC Harnnes, VHP           | 441000378 |
| ASSY, Cable, VHP Transducer            | 441000379 |
| ASSY, Cable, AC Harness, VHP           | 441000381 |
| ASSY, Cable, Pump Motor, VHP           | 441000382 |
| ASSY, Cable, Degasser, DC Power        | 441000383 |
| ASSY, Cable, Degasser to a Personality | 441000480 |
| ASSY, Cable, Power Supply Inhibit      | 441000481 |
| ASSY, Cable, Power-Status LED's        | 700002559 |
| ASSY, Cable, Analog Out & Events I/O   | 441000488 |
| ASSY, Cable, DSP, SPI Port             | 441000544 |
| ASSY, Cable, Encoder Extender          | 441000559 |
| ASSY, Cable Motor Extender             | 441000560 |
| ASSY, Cable, Chassis Blkhd to Board    | 441000725 |

### Panels, etc.

|                                |           |
|--------------------------------|-----------|
| ASSY, Bottle Tray, ACQUITY     | 289002414 |
| COVER, TOP, PAINTED, BSM       | 400001032 |
| COVER, LEFT SIDE, PAINTED, BSM | 400001060 |

## ACQUITY UPLC I-Class Binary Solvent Manager

### Panels, etc. - continued

|                                          |           |
|------------------------------------------|-----------|
| COVER, RIGHT SIDE, PAINTED, BSM          | 400001150 |
| ASSY, BSM DOOR, I-CLASS                  | 700006053 |
| DRIP TRAY, ACTUATOR DRAIN                | 415000974 |
| DRIP TRAY, FRONT ACQUITY BSM, BLACK      | 700002851 |
| BARBED FITTING, .062ID TUBE - 1/4-28 THD | 410001362 |
| TAPE, ADHESIVE, FOAM, 1/8" X 1/2" X 60"  | 700003088 |
| FOOT, INSTRUMENT, TALL                   | 700001548 |
| Kit, ACQUITY Stack Feet                  | 700004125 |
| LABEL, BSM, WATERS                       | 615003683 |
| LABEL, DEGASSER MANIFOLD, BSM            | 615003703 |
| SCREW, PANEL, M4 X 10, BLUE              | 410001262 |
| SCREW, METRIC, M3 X 16 (4 PKG)           | 700004023 |
| HEAD BOLTS, M5x40, 4/PK                  | 700006049 |
| FRAME, AIR FILTER, HANDLE, BSM           | 405003487 |
| FILTER, AIR, BSM                         | 700002632 |
| FILTER, AIR, HANDLE, BSM                 | 700002633 |
| TUBE LABEL KIT                           | 700003102 |
| KIT SWIVEL DRAIN CUP                     | 205000499 |

### Other Electrical

|                                          |           |
|------------------------------------------|-----------|
| POWER ENTRY MODULE WITH Line Filter 10A  | 700000485 |
| POWER ENTRY MODULE WITH FILTER LS        | 700003763 |
| FAN, 92MM X 25MM, 49 CFM                 | 700001067 |
| FUSE 5A 250V 5X20 SLO BLO IEC VDE CSA UL | 700002604 |
| FUSE DRAWER FOR 5X20MM FUSES             | 700001502 |
| FUSE 0.5A 125V SLO-BLO LITTLEFUSE (5PK)  | 700004470 |

## ACQUITY UPLC I-Class Binary Solvent Manager

### Fittings

|                                                    |           |
|----------------------------------------------------|-----------|
| FERRULE, 1/8 TEFZEL YELLOW                         | WAT046-01 |
| COMP SCREW 1/8 PEEK                                | WAT046-12 |
| COMP SCR W/ FER & LOCK RING, FLANGELESS<br>(7 PKG) | 700003797 |
| FERRULE, FLANGELESS, TEFZEL, LOCK RING (1<br>PKG)  | 700003796 |
| COMP SCREW, FLANGELESS PEEK 1/8' (1 Pk)            | WAT271028 |
| SCREWS, COMP, PKG 10 GOLD, LONG                    | 700002645 |
| SCREWS, COMP, PKG 10 GOLD, SHORT                   | 700002634 |
| FERRULE SET, TWO-PIECE SWAGELOCK, PKG<br>10        | 700002635 |
| UNION, .020 ID, V-DETAIL                           | 700002636 |

### Intelligent Intake Valve Parts

|                                                 |           |
|-------------------------------------------------|-----------|
| ASSY, CARTRIDGE, Intelligent Intake Valve (2pk) | 700003563 |
| ASSY, INTELLIGENT INTAKE ACTUATOR               | 700003557 |
| ASSY, TUBE, XDUCER TO CHECK VALVE, I2V          | 430001773 |
| ASSY, TUBE, SSV TO INTELLIGENT INTAKE<br>VALVE  | 430001443 |
| FUSE 0.5A 125V SLO-BLO LITTLEFUSE (5PK)         | 700004470 |

### THF/Hexane

|                                             |           |
|---------------------------------------------|-----------|
| THF / HEXANE Modification Kit, For I-2-V CV | 205000701 |
|---------------------------------------------|-----------|

## ACQUITY UPLC I-Class Binary Solvent Manager

### Miscellaneous

|                                                   |           |
|---------------------------------------------------|-----------|
| WASTE MANAGEMENT ADAPTER KIT                      | 700002821 |
| SEAL EXTRACTION/INSERTION, TOOL .0787 DIA,<br>BSM | 700003521 |
| TOOL, ACQUITY BSM, PLUNGER REMOVAL                | 405007627 |
| ACCUMULATOR PUMPHEAD REBUILD KIT                  | 700004746 |
| I-2-V PRIMARY PUMPHEAD REBUILD KIT                | 700004747 |
| SHIPPING BOX, ACQUITY BINARY SOLVENT<br>MANAGER   | 290000457 |

## ACQUITY UPLC I-Class Sample Manager - Fixed Loop

### Fluidics

|                                                |           |
|------------------------------------------------|-----------|
| ASSY, MANIFOLD, VALVE                          | 700006061 |
| ASSY, VACUUM PUMP, NEEDLE CLEAN<br>SYSTEM, FL  | 700006062 |
| ASSY, CARTRIDGE, INJECT, FULL LOOP, 18<br>KPSI | 700006069 |
| ASSY, NEEDLE WASH, FIXED LOOP                  | 700006066 |
| TRANSDUCER, PRESSURE, 5V, 250 PSI              | 700006063 |
| ASSY, PUNCTURE NEEDLE, .059 OD                 | 700006067 |
| SYRINGE, 2.5 mL, INVERTED                      | 700006070 |
| ASSY, DUAL WASH SYRINGE                        | 700006064 |

### Mechanical

|                                       |           |
|---------------------------------------|-----------|
| ASSY, NEEDLE CARRIAGE, ACQ FIXED LOOP | 700006065 |
|---------------------------------------|-----------|

## ACQUITY UPLC I-Class Sample Manager - Fixed Loop

### Cables

|                                         |           |
|-----------------------------------------|-----------|
| ASSY, CABLE, Home Sensor, WASH SYR. DR. | 441001072 |
|-----------------------------------------|-----------|

### Tubing

|                                       |           |
|---------------------------------------|-----------|
| ASSY, SAMPLE LOOP, HYPO TIP, 1uL      | 430003166 |
| ASSY, SAMPLE LOOP, HYPO TIP, 2uL      | 430002928 |
| ASSY, SAMPLE LOOP, HYPO TIP, 5uL      | 430002936 |
| ASSY, SAMPLE LOOP, HYPO TIP, 10uL     | 430002938 |
| ASSY, TUBE, SSV/P-3 TO TRANSDUCER     | 430002558 |
| ASSY, TUBE, SSV P-2 TO VM/SSV         | 430002560 |
| ASSY, Tube, WS1 TO VM/S-SY            | 430002564 |
| ASSY, TUBE, WS2 TO VM/W-SY            | 430002566 |
| ASSY, TUBE, WS TO VM/W-IN             | 430002568 |
| ASSY, TUBE, SS TO VM/S-IN             | 430002571 |
| ASSY, TUBE, NEEDLE CLEAN SYSTEM INLET | 430002579 |
| ASSY, TUBE, VDD                       | 430003103 |
| TUBE, .25 ID X .40 LG, TFE            | 430001807 |
| TUBE ASSY, STRONG NEEDLE WASH IN      | 430002491 |
| TUBE ASSY, WEAK NEEDLE WASH IN        | 430002680 |
| TUBE, NCS, PUNCTURE NEEDLE TO ELBOW   | 430003159 |

### Miscellaneous

|                                |           |
|--------------------------------|-----------|
| CALIBRATION PIN, RZZ MECHANISM | 405013532 |
| NUT, 7/16-20, CUSTOM           | 405013253 |

## ACQUITY UPLC I-Class Sample Manager - Flow Through Needle

### Fluidics

|                                       |           |
|---------------------------------------|-----------|
| ASSY, SEAT PORT, .003 ID              | 430003133 |
| ASSY, CART, INJECT, STR, FTN, 18 KPSI | 289006464 |

## ACQUITY UPLC I-Class Column Heater - Active

### Active Pre-heaters

|                         |           |
|-------------------------|-----------|
| APH SS 12.5LG, 0.003 ID | 205000894 |
|-------------------------|-----------|

### SS Tubing and Tubing Sets, .003" ID

|                                 |           |
|---------------------------------|-----------|
| 10.5" Col to PDA Det Inlet, SST | 205000895 |
| 8.5", Col to TUV Det Inlet, SST | 205000896 |

### Miscellaneous Tubing

|                                 |           |
|---------------------------------|-----------|
| PEEK, Tan Roll, .0025 ID x 60"  | 700003443 |
| PEEK, Black Roll, .004 ID x 60" | 700003799 |
| ACQUITY Tubing Fittings Kit     | 700004067 |
| ASSY, TUBE, M/S INLET, 24"      | 430002651 |

## nanoAcquity BSM 10K Spare Parts - 2006 Hi PSI

See service notes for low pressure nanoAcquity spare parts

|                                        |           |
|----------------------------------------|-----------|
| Primary Check Valve Assy, nano - 2pk   | 700002596 |
| Accumulator Check Valve dual B&S -2PK  | 700002968 |
| Assy, Filter Insert, 1/2u, V-Det       | 700002696 |
| in -line Filter Assy, 1/2 micron       | 289002111 |
| Solvent Filter Assembly 5u             | 289002172 |
| Solvent Filter insert, 5u              | 289002172 |
| Drip Tray INTERNAL, FLOW Sensor MODULE | 415000672 |
| Drip Tray external, flow Sensor module | 415000673 |

### Tubing

|                             |           |
|-----------------------------|-----------|
| Tube Acc A, Xducer - VV P3  | 430001534 |
| Tube Acc B Xducer - VV P6   | 430001535 |
| Tube Vent ValveP2 TO Filter | 430001511 |
| Tube Vent ValveP5 TO Filter | 430001512 |

## nanoAcquity BSM 10K Spare Parts - 2006 Hi PSI

### Tubing - continued

|                                   |           |
|-----------------------------------|-----------|
| Tube Filter TO FS inlet B         | 430001569 |
| Tube Filter TO FS inlet A         | 430001568 |
| Tube set, solvent inlet, aux pump | 430001389 |
| Tube set, solvent inlet, BSM      | 700002713 |
| Tube set, A2 & B2 inlet lines     | 430001436 |
| Tube Assy, ASM - MS 25uX60" cap   | 430001572 |

### Flow Sensor Module

|                                         |           |
|-----------------------------------------|-----------|
| Fittings, BulkHead, V-V detail          | 405004797 |
| Fittings, BulkHead, ASM FC out          | 405004902 |
| Nut, BulkHead, 1/8-27 NPS               | 410001463 |
| Tube inlet B - flow Sensor, BSM, ASM    | 430001609 |
| Tube inlet A - flow Sensor, BSM         | 430001660 |
| Tube flow Sensor A to tee               | 430002244 |
| Tube flow Sensor B to tee               | 430002242 |
| U-Tube flow module, ASM                 | 430001658 |
| Tube Flow control B out - bulkHead, ASM | 430001604 |
| Flow Module nano TEE                    | 405005137 |
| pcb, temp Sensor BSM FC                 | 210000274 |

### Cables

|                                    |           |
|------------------------------------|-----------|
| Cable, RS232/POWER, NANO-ACQUITY   | 441000596 |
| Cable, power to FS w/Fuses         | 441000591 |
| Cable, flow Sensor module internal | 441000592 |

### Miscellaneous

|                                        |         |           |
|----------------------------------------|---------|-----------|
| Acquity Seal insertion/extraction tool |         | 700003521 |
| Packaging, NANO-ACQUITY PUMP           |         | 290000457 |
| nanoAcquity Solvent Manager            | PM Kit  | 201000181 |
| nanoAcquity Solvent Manager            | S/U Kit | 200000210 |



## **nanoAcquity SM - 2006 10K psi**

### **Fluidics**

|                      |           |
|----------------------|-----------|
| Needle Assembly 15ul | 700002708 |
| SAMPLE LOOP 2ul      | 430001264 |
| sample loop 5ul      | 430001311 |
| Injector Assy        | 700002906 |
| Injector POD         | 700002907 |
| Column heater Assy   | 700002908 |
| Temp Valve Assy      | 700004600 |
| Trap Valve POD       | 700004601 |

### **Tubing**

|                                          |           |
|------------------------------------------|-----------|
| Tube Assy, Inj-Tee, Direct Inj. 25umx10" | 430001570 |
| Tube Assy, BSM to INJ 25umx18"           | 430002242 |
| Tube Assy, nanoTee-trap vlv              | 430001571 |
| Capillary Tube Assy, 300u column inlet   | 700002754 |
| Capillary Tube Assy, 300u column outlet  | 700002755 |
| Tube Kit, 300u column in/out             | 700002757 |

### **2 Pump/2D - old style**

|                                    |           |
|------------------------------------|-----------|
| 2 Pump Trapping/2D Kit             | 205000398 |
| Tube BSM - trap valve              | 430001575 |
| Tube ASM - inj                     | 430001576 |
| Tube inj valve - trap valve        | 430001629 |
| Tube inj valve - ion ex column, 2D | 430001577 |

### **Fittings**

|                                        |           |
|----------------------------------------|-----------|
| Fitting, 6-40 PLUG                     | 405005067 |
| NANO-TEE with out gauge pin            | 289002576 |
| Union 1/32 VAL 1/32 VAL, Zero Dead Vol | 289000439 |
| Fitting, Peek Knurled, One Piece 6-40  | 405005068 |

## **nanoAcquity SM - 2006 10K psi**

### **Universal Sprayer (MS)**

|                                     |           |
|-------------------------------------|-----------|
| Union, capillary, 6-40 electrospray | 700002483 |
| Depth gauge - zero dead volume      | 700002691 |

### **Miscellaneous**

|                                      |           |
|--------------------------------------|-----------|
| Assy, Column, Trapping, 1CM          | 186003514 |
| Analytical column, BEH 1.7um 100x100 | 186003546 |
| Ion Exchange column                  | 186002623 |
| wrench 3/16" open end                | 700000610 |
| VALVE CONTROLLER, IMS-MICROLYNX 4    | 279001011 |
| Drip Tray HTM                        | 405004042 |
| Mount Block, Nano Trap Column        | 289002802 |
| Box, UPLC Sample Manager             | 290000456 |
| nanoAcquity Sample Manager PM Kit    | 201000182 |
| nanoAcquity Sample Manager S/U Kit   | 200000211 |
| nanoAcquity System S/U Kit           | 200000220 |
| CapLC flow cell old UV               | 205000159 |
| CapLC flow cell new UV               | 205015013 |
| MassPREP peptide sample              | 186002337 |
| MassPREP peptide sample 5/pk         | 186002338 |
| Enolase Sample 1pk                   | 186002325 |
| Universal sprayer union (MS)         | 700002843 |
| Universal sprayer Fittings (MS)      | 700002842 |

## **2D nanoACQUITY**

### **Dual Pump Tubing**

|                                            |           |
|--------------------------------------------|-----------|
| Cap tubing, BSM-mmV tee, M-M 25u x 18"     | 430002140 |
| Cap tubing, inj vlv-trp vlv, V-V 40u x 13" | 430001629 |
| Assy, Cap tubing, 1st D column in/out 10"  | 430002183 |
| Assy, Cap tubing, Trap vlv- MMV tee, 12"   | 430002153 |
| Assy, cap tubing, BSM2 - Inj vlv, 22"      | 430002155 |
| Assy, Cap tubing, BSM - Trap vlv, 30"      | 430001575 |

## HDX

### Assemblies

|                                       |           |
|---------------------------------------|-----------|
| ASSY, BULKHEAD, FLUIDIC, HDX          | 700005961 |
| ASSY, CARTRIDGE, INJECT VALVE, CPSM   | 700005236 |
| ASSY, DRIVE, 18.33:1 GR, NO GROUND    | 700005163 |
| ASSY, FAN, 24V, 54.7 CFM              | 700004626 |
| ASSY, INSULATION, INSERT              | 700005960 |
| ASSY, PELTIER ENGINE, HDX             | 700005946 |
| POWER SUPPLY, CM-A                    | 700002623 |
| Startup Kit, nanoACQUITY UPLC HDX MGR | 200000303 |
| VALVE CONTROLLER, IMS-MICROLYNX       | 279001011 |
| REGULATOR POS ADJ                     | 410003558 |

### Cables

|                                          |           |
|------------------------------------------|-----------|
| ASSY, CABLE, EVENT, 6 FT.                | 441000373 |
| ASSY,CABLE,RS232,VISTA AUTO.SAMP.&ELEV.  | 441000485 |
| ASSY, CABLE, HTM MOTOR/PWR, NANO-ACQUITY | 441000593 |
| ASSY, CABLE, CHASSIS GROUND, 16.25 IN.   | 700002731 |
| ASSY, CABLE, COLUMN HEATER               | 441001113 |
| ASSY, CABLE, DC POWER                    | 441001114 |
| ASSY, CABLE, PWRCNRTL PCB TO ESB         | 441001116 |
| ASSY, CABLE, A/S EXT FAN SPLITTER        | 441001117 |
| ASSY, CABLE, EXTERNAL FANS, H/C ENGINE   | 700005946 |
| ASSY, CABLE, EVENT IO ASSY               | 441001119 |
| ASSY, CABLE, QSPI                        | 441001120 |
| ASSY, Cable, RS232 Extender              | 441001121 |
| ASSY, Cable, Chiller Eng Splitter        | 441001124 |
| ASSY, CABLE, J5 JUMPER                   | 441001148 |
| ASSY, CABLE, PS TO CHASSIS GROUND        | 441001149 |
| ASSY, CABLE, TRIGGER BUTTON, BLACK, HDX  | 441001191 |

## HDX

### Cables - continued

|                                         |           |
|-----------------------------------------|-----------|
| ASSY, CABLE, TRIGGER BUTTON, WHITE, HDX | 441001192 |
| ASSY, CABLE, AUTOMATION, HDX            | 441001210 |
| ASSY CABLE PROBE I BUTTON CM            | 700005462 |

### PCBs

|                                     |           |
|-------------------------------------|-----------|
| PCB, PERSONALITY 2200 AUTOSAMPLER   | 700001518 |
| ASSY, PCB, BARRIER 2200 AUTOSAMPLER | 700002563 |
| PCB, ETHERNET SWITCH FOR LCC        | 700003191 |
| ASSY, PCB, I/O, SAMPLE MGR          | 700003705 |

### Tools

|                              |           |
|------------------------------|-----------|
| WRENCH, 3/16, OPEN END       | 700000610 |
| WRENCH, OPEN END, 1/4"-5/16" | 700003724 |
| DRIVER, M2 HEX, T-HANDLE     | 605000141 |
| WRENCH, OPEN END, 1/4"-5/16" | 700003724 |
| 2790 3/16" OPEN END WRENCH   | 700000610 |

### Screws and Fittings

|                                      |           |
|--------------------------------------|-----------|
| FITTING, ONE-PIECE, 10-32, PKG 10    | 700002524 |
| Fitting, Plastic 1/4 Barbed Tee      | 700003907 |
| FITTING, TEE, 6MM TUBE TO 6MM TUBE   | 700002499 |
| SCREW M3 X 10 MM FLAT HD PHL         | WAT271142 |
| SCREW, M2.5 X 4, PAN HEAD, TORX, SST | WAT411254 |
| SCREW, M3 X 10 SEMS                  | WAT081265 |
| SCREW, M3 X 10, PAN HEAD, TORX, SST  | WAT411310 |
| SCREW, M3 X 6 LONG SEMS              | WAT271463 |
| SCREW, M4 X 10, PAN HEAD, TORX, SST  | WAT411410 |
| SCREW, M4 X 30, PAN HEAD, TORX, SST  | WAT411430 |
| SCREW, M4 X 8, PAN HEAD, TORX, SST   | WAT411408 |
| SCREW, METRIC, FL. HD., M3X06        | WAT414306 |
| SCREW, METRIC, FL. HD., M4X10        | WAT414410 |
| SCREWLOCK, 4-40/M3, FEMALE           | WAT089113 |

## HDX

### Tubing

|                                         |            |
|-----------------------------------------|------------|
| TUBE .149X.119X48 TEFLON                | WAT055109  |
| ASSY, CAP. TUBE W/FRIT 75u X 10" LONG   | 430001837  |
| CAPLC PEEK TUBING CUTTER                | 700001012  |
| CAPLC TEFLON SLEEVE, QTY 5              | 700000990  |
| PEEK TUB,.010X1/16"X60"                 | WAT022996  |
| PEEK TUBING,.005X1/16"X60"              | WAT022995  |
| Tube Tygon .375" ODX.25"ID 1M           | 700003511  |
| TUBE, INJ PORT, .062 OD X .030 ID - 5PK | 700005957  |
| TUBING PEEK .062 X .010                 | WAT02296   |
| Tubing Pharmed 1/4"OD X 1/8ID           | 700002181  |
| Tubing, FEP, 6mm OD X 4mm ID            | 700005956  |
| TUBING, POLYURETHANE, 3.2MM OD X 2MM ID | 700005750  |
| TUBING,.062x.0025, PEEK                 | 700001008  |
| TUBING,PEEK,.062ODX.005ID               | 6436005-S1 |
| UNION, PEEK, .020 ID, BLACK             | WAT026-04  |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| ADAPTER, SERAIL, USB TO RS232 (4)        | 668000228 |
| 4 AMP FUSES                              | WAT071406 |
| ASSY, CAP. TUBE W/FRIT 75u X 72" LONG    | 700005955 |
| ASSY, HOLDER, COLUMN, HDX                | 700005952 |
| ASSY, POD HOLDER                         | 700005953 |
| Assy, Solvent Tray, HDX Mgr              | 700005954 |
| BATTERY,LITHIUM 484                      | WAT080443 |
| FUSE SMD 5A 125V+HOLDER                  | 700001840 |
| GUARD, MUFFIN FAN, 3in. Dia              | 700001555 |
| NM PEEK FERRULE 1/16OD                   | WAT021817 |
| O-RING,BUNA-N 70 2-003                   | WAT072643 |
| ASSY, SAMPLE LOOP, 50 UL                 | 430001325 |
| ASSY, Solvent Filder, 316SS, CC          | 700003615 |
| CONN PLUG 10 POS 3.81MM PITCH MINI-COMBI | 323000247 |
| MICROFILTER, PRECOLUMN, 2UM, SS, 1/16IN  | 410003946 |
| SYRINGE GASTIGHT 250ul                   | 430000865 |

## TRIZAIC

### Fluidic Lines

|                                  |           |
|----------------------------------|-----------|
| Inlet capillary tubing, 25umX30" | 700005496 |
| Waste line tubing ,40umX40inches | 700005497 |
| Infusion line, 25umX30inches     | 700005498 |
| Ferrule, sealtight               | 700004711 |

### PCB

|                                                       |                            |
|-------------------------------------------------------|----------------------------|
| ASSY, PCB, Interface Ph1                              | 700008936 AND<br>440000203 |
| Cable, Rectangular SFSD SFSD 10 28AWG                 | 440000203                  |
| NanoAcquity Sample Manager cable to Trizaic Interface | 441001820                  |
| Sample manager to Trizaic PCB board                   | 441001106                  |

### Assemblies

|                                       |                          |
|---------------------------------------|--------------------------|
| Tile Sensing cable assembly           | 700005506                |
| ASSY, PCB, POGO Ph1                   | 700008936 &<br>440000203 |
| Cable, Rectangular SFSD SFSD 10 28AWG | 440000203                |
| Ribbon cable                          | 440000184                |
| Split lock washer                     | 700005507                |
| M4 x 12 Cap Hd                        | 5313070                  |
| M4 x 10, Flat Head screw              | WAT414410                |

### Consumables

|                              |           |
|------------------------------|-----------|
| Trizaic nanoTile, 1.7um, c18 | 186003763 |
| Infusion Tile                | 700005643 |
| Flowsplitter kit             | 205000851 |

### Source Spares

|                             |           |
|-----------------------------|-----------|
| Fingertight nut and ferrule | 405000155 |
| Long nut                    | 700004710 |
| Small gas seal              | 700004322 |
| Source enclosure seal       | 700004320 |
| Braided ground cable        | 441001056 |
| Front Cover                 | 700005648 |

## TRIZAIC

### Nebulizer Fittings

|                                          |            |
|------------------------------------------|------------|
| FERRULE SEALTIGHT 1/16 IN PEEK BLK (5PK) | 700004711  |
| NUT LONG                                 | 700004710  |
| 1/16" FERRULE LONG THUMB NUT (3PK)       | 700004477  |
| TUBE PTFE 1/16" X 0.032" 1M              | 6060726-S1 |
| Ferrule, sealtight                       | 700004711  |

### AUTOPURIFICATION - 2525 BGM

|                                            |           |
|--------------------------------------------|-----------|
| Start Up Kit, Binary Gradient Module       | 200000137 |
| BGM PM Kit                                 | 201000130 |
| Assy, Tube ¼ sovent inlet                  | 700001485 |
| Kit, Seal Wash Tubing                      | 700001486 |
| Tubing, 1/8 Teflon S SV to Head Kit        | 700001487 |
| Assy, Tube system Tee to Autosampler inlet | 700001488 |
| Assy, Tube Waste Lines Kit                 | 700001489 |
| Upgrade Kit, Transducer BGM                | 700004864 |
| Seal wash housing, Float Flanged (4/pkg)   | 700001492 |
| Check Valve Cartridge Kit (4pkg)           | 700001493 |
| Kit, Plunger Seal (4pkg)                   | 700001494 |
| 1.515 Dia Spring Energized Cap Seal        | 700001495 |
| Assy, Tube Transducer inlet                | 700001496 |
| Assy, Cable, Transducer Internal           | 700001497 |
| BGM Upgrade Valve Control Kit              | 205000168 |
| Power Supply DC, Tested                    | 700001614 |
| Power Supply 600W Tested                   | 700001500 |
| Assy, PCB, Prep Power Distribution         | 700001501 |
| RS 232 9pin M/F Cable 10 ft.               | 700002045 |
| Fuse Draw for 5x20mm Fuses                 | 700001502 |
| Power Entry Module w/line Filter 10A       | 700000485 |
| Fuse 10 amp 5x20mm Slo Blow (Pkg 4)        | 700001003 |
| Assy, Moment Switch Round                  | 700001503 |

### AUTOPURIFICATION - 2525 BGM

|                                                              |           |
|--------------------------------------------------------------|-----------|
| Fan, 4.62 Sq., 110 CFM (24 VDC Fan)                          | 700001505 |
| Battery 3.0 volt                                             | 700001834 |
| 515 POWER SWITCH                                             | WAS207106 |
| Actuator Assy, w/o Fluidic/motor                             | 700001510 |
| Motor Assy., Actuator                                        | 700001511 |
| Window, Display, LCD, LED Backlight                          | 700001508 |
| Encoder, Assy                                                | 700001512 |
| 2690 Sealwash Pump Solenoid                                  | WAT270926 |
| Drip Tray BGM                                                | 700001514 |
| Vent Valve Assy, 8 Port Valco                                | 700001515 |
| Rotor Seal , Vent Valve                                      | 700001483 |
| Screw, Compression, 1/16 SS, Valco (Pkg 5)                   | 700000987 |
| Assy, CPU 2000                                               | 700001518 |
| Assy, PCB, Pump Controller Drive                             | 700002763 |
| Assy, Cable Internal RS-232, Inter Pump                      | 700001520 |
| Assy Cable RS 232, Rear Panel                                | 700001628 |
| ASSY, CABLE ETHERNET                                         | 700001626 |
| Assy, Cable Analog Outs & Evnet (I/O Analog Event Cable CA1) | 700001523 |
| Assy, Cable, DC Harness                                      | 700001524 |
| Assy, Cable, A/C Harness                                     | 700001525 |
| Pump Head                                                    | 700001526 |
| Pump Head Support Bushing                                    | 700001527 |
| Assy, Cartridge Check Valve Kit pkg 4                        | 700001493 |
| inlet Check Valve, Housing S.S.                              | 700001529 |
| Assy, Cartridge, Housing Outlet S.S.                         | 700001530 |
| Seal wash housing                                            | 700001531 |
| Plunger, Assy, BGM                                           | 700001532 |
| Nut, Plunger Retainer                                        | 700001533 |
| Washer Spring                                                | 700001534 |
| Plunger, C clip                                              | 410000570 |
| Washer, Flat                                                 | 700001535 |
| Manifold, Solvent Select Valve                               | 700001536 |



## AUTOPURIFICATION - 2525 BGM

### Miscellaneous

|                                        |           |
|----------------------------------------|-----------|
| Valve, Solenoid Select                 | 700001537 |
| Assy, Cable, SSV                       | 700001538 |
| I/O Terminal Male, External            | 700001539 |
| Solvent Line Fittings Male & Female ¼  | 700001540 |
| 20 Micron Solvent Filter Assy, (Pkg 4) | 700001541 |
| Right Side, Panel BGM                  | 700001542 |
| Left Side Panel, BGM                   | 700001543 |
| Top Panel, BGM                         | 700001544 |
| Front Panel Screws                     | 700001546 |
| Kit, Leak Sensor Module (Option)       | 205000152 |
| Box, Shipping, Binary Gradient Module  | 290000263 |
| Foot Plastic                           | 700001548 |
| Assy, T Filter BGM                     | 700001836 |
| Insert T Filter, 5 micron              | WAT033350 |
| I/O Terminal, Screw                    | 700001551 |
| Back Pressure Regulator, 100 Psi       | 700001433 |
| Cartridge, replacement 100 Psi         | 700001434 |
| Assy. Delay Coil 150ml/min             | 430000664 |
| Assy. Delay Coil 30ml/min              | 700003599 |
| Assy. Delay Coil 8ml/min               | 430000624 |
| Dye Sample Kit                         | 716000765 |
| Switching , Ethernet                   | 725000455 |
| MicroMass , flow splitter              | 279000319 |
| Filter , LC Packing splitter           | 600000103 |
| LCD MOD, 93X70MM EL Backlight          | 700001114 |
| UV, Fraction Manager                   | 205000145 |

## **AUTOPURIFICATION - 2525 BGM**

### **BGM Tubing Upgrade**

|                                                |           |
|------------------------------------------------|-----------|
| S.S. TUBING KIT, BGM, NEW                      | 700002491 |
| Refurbished Pump Head & Transducer Kit         | 700002671 |
| SCR,COMP,1/4 HEX,304 SS,GOLD,FLT, PKG 10       | 700002634 |
| FERRULE, SET, .062, TWO-PIECE, PKG 10          | 700002635 |
| SCR,COMP,10-32, 4SS,Gold,Lg, Pk10 (vent valve) | 700002645 |
| TEE, 1/16 COMP, SCREW SS(1525, GPC2000)        | WAT070122 |
| SCREW, M4 X 16, PAN HEAD, TORX, SST            | WAT411416 |
| ASSY, TUBE, X-DUCER INLET                      | 430001295 |
| ASSY, TUBE, "A" PUMP TO VENT                   | 430001296 |
| ASSY, TUBE, "B", LEFT TO VENT                  | 430001297 |
| ASSY, TUBE, "B", RIGHT TO VENT                 | 430001299 |
| ASSY, TUBE, LEFT X-DUCER OUTLET                | 430001300 |
| ASSY, TUBE, RIGHT X-DUCER OUTLET               | 430001298 |
| ASSY, TUBE, VENT VALVE POS 3 TO TEE            | 430001301 |
| ASSY, TUBE, T-FILTER TO PORT 8                 | 430001303 |
| ASSY, TUBE, VENT VALVE POS 7 TO TEE            | 430001302 |
| ASSY, TUBE, T-FILTER TO PORT 4                 | 430001304 |
| ASSY, TUBE, "B" WASH PUMP OUTLET               | 430001270 |
| ASSY, TUBE, "A" WASH PUMP OUTLET               | 430001274 |

## **AUTOPURIFICATION - 2545 BGM**

### **Spare Parts**

|                                     |           |
|-------------------------------------|-----------|
| Manifold SSV-ck valve, angled inlet | 700003192 |
| Holder, Solvent Res. BottleTray     | 205000434 |
| Drip Tray 2545                      | 700003193 |
| Bracket,Vent Valveand SSV           | 700003194 |
| Bracket , Door striker              | 700003195 |
| Bar , retainer, Drain Tube          | 700003196 |
| label, 2545 F/P                     | 615003876 |
| Asst Door 2545                      | 700003200 |

## AUTOPURIFICATION - 2545 BGM

### Spare Parts - continued

|                                       |           |
|---------------------------------------|-----------|
| Bezel ,Upper 2545                     | 700003201 |
| Skin, Top , extra long 2545           | 400002118 |
| skin, left , with door                | 400002177 |
| skin, right , with door               | 400002178 |
| Assy, PCB,Transducer interface        | 700002591 |
| Filter, Lower 2545                    | 700003202 |
| Filter , frame , lower 2545           | 700003203 |
| Fan, 4.62 SQ., 110 CFM,               | 700001504 |
| Upchurch Flangless nut extender short | 700003123 |
| Assy, momentary Switch, rd            | 700003205 |

## AUTOPURIFICATION - CFO

### Rheodyne

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| Rheodyne RV700-136, Valve 6 port, 2 Pos. Select CFO                  | 700001556 |
| Rheodyne RV700-137, Valve 10 Port 2 Pos. Regeneration CFO            | 700001557 |
| Rheodyne 7650-002 Stator,10 Port, CFO                                | 700001832 |
| Rheodyne, Stator 6 port,CFO                                          | 700001833 |
| Rheodyne Rebuild Kit 7136-999-WA Valve RV703-102, 2 Pos, 6 Port, CFO | 700001328 |
| Rheodyne Rebuild Kit 7137-999-WARV700-137, 2 Pos, 10 Port CFO        | 700001329 |
| Rheodyne Plug Assy                                                   | 700001586 |

### Kits

|                        |           |
|------------------------|-----------|
| Kit, S.S. Tubing, CFO  | 700001564 |
| Kit, PEEK, Tubing, CFO | 700001565 |
| Start Up Kit, CFO      | 200000140 |

## AUTOPURIFICATION - CFO

### Miscellaneous

|                                   |           |
|-----------------------------------|-----------|
| Power Supply DC                   | WAS081266 |
| 515 FAN - 24VDC                   | WAS207065 |
| Fan Guard                         | 700001555 |
| Stainless Sleet Cross             | 700001484 |
| Drip Tray Vertical CFO            | 700001566 |
| Drip Tray Horizontal CFO          | 700001567 |
| Tray Bottle Holder                | 700001568 |
| Assy, Clamp, Molded, Large Column | 700001569 |
| Slide                             | 700001570 |
| Assy, Mini-Clamp, Molded          | 700001571 |
| Feet                              | 700001574 |
| Rheodyne Driver PCB               | 700003887 |
| 515 POWER Switch                  | WAS207106 |
| Assy, Prep CFO Pcb                | 700001577 |
| POwner Entry Module               | WAS207063 |
| Fuse Draw                         | WAT055426 |
| I/O connector, CableM&F Int.      | 441000295 |
| Comp, Screw X-Long                | WAT060051 |
| Ferrule Rheodyne                  | WAT007020 |
| Housing, Splitter, Plastic        | 700001592 |

## AUTOPURIFICATION - SFO

|                                          |           |
|------------------------------------------|-----------|
| Assy, valve, 6 port , 2 pos (279000406)  | 700001556 |
| Assy, valve, 10 port , 2 pos (279000405) | 700001557 |
| Assy, valve, 8 port , 2 pos (279000252)  | 700000432 |

## AUTOPURIFICATION - SFO

|                                            |           |
|--------------------------------------------|-----------|
| Rebuild Kit,3 col select Valve             | 700000431 |
| Assy, Door SFO                             | 700003206 |
| Label , SFO F/P                            | 615003875 |
| Filter, Air SFO                            | 700003209 |
| Assy, clamp , large molded 2pkg            | 700001569 |
| Rail ,Prep column                          | 700003210 |
| Rail, mounting, analytical col             | 700003211 |
| plastic col clips small pkg2               | 700002143 |
| Rail, mounting, analytical col             | 700003211 |
| plastic col clips small pkg2               | 700002143 |
| Sensor,Leak Detector standard              | 700003213 |
| Bracket, Hold Down Leak Detector           | 700003214 |
| Assy , pcb, Rheodyne Cableextender         | 700003215 |
| Assy, Cable, extension, valve encoder CA13 | 700003216 |
| Asy,Cableextension, valve motor CA 14      | 700003217 |
| Drip Tray SFO                              | 700003218 |
| Panel, side, SFO                           | 400002219 |
| POWER SUPPLY MODULE                        | WAS207063 |
| Rheodyne Driver PCB                        | 700003887 |
| Foot                                       | 700001548 |
| p/s DC 80 W                                | WAT081266 |
| PCB CPU 2000                               | 700001518 |
| PCB, Ethernet Switch                       | 700002471 |
| SFO Personality pcb                        | 700001577 |
| SFO diagram                                | 700003868 |
| Assy, Cable, Internal Valve Serial         | 700008835 |

## Flow Splitters Module

|                                       |           |
|---------------------------------------|-----------|
| Assy, Leak Sensor Module Option Kit   | 205000443 |
| Assy, fixed splitter 15:1 , .5-2 ml   | 205000435 |
| Assy, fixed splitter 100:1 , 2-8 ml   | 205000436 |
| Assy, fixed splitter 1000- 1 , 8-30ML | 205000437 |

## AUTOPURIFICATION - SFO

### Flow Splitters Module - continued

|                                         |           |
|-----------------------------------------|-----------|
| Assy, fixed splitter 5000- 1 , 8-30ml   | 205000438 |
| Assy, fixed splitter 5000-1, 30-100ml   | 205000439 |
| Assy fixed splitte 10000-1 , 100-150 ml | 205000440 |
| Delay coil for .5-2ml 15:1 .010x240     | 700003603 |

### Flow Splitters Delay Coils

|                                             |           |
|---------------------------------------------|-----------|
| Delay Coil for 2-8ml 100:1 .020 x 250       | 700003604 |
| Delay Coil for 8-30ml 1000:1 .030 x360      | 700003599 |
| Delay Coil for 8-30 ml 5000:1.030 x 500     | 700003600 |
| Delay Coil for 30-100 ml 5000:1 .040 x 725  | 700003601 |
| Delay Coil for 100-150ml 10000:1 .062 x 580 | 700003602 |

### Capillary

|                                                 |           |
|-------------------------------------------------|-----------|
| Capillary, Tube for .5-2ml 15:1 50um x 8.12     | 700003605 |
| Capillary , Tube for 2-8ml 100:1 50um x 10.2    | 700003606 |
| Capillary , Tube for 8-30ml 1000:1 40um x12.3   | 700003219 |
| Capillary , Tube for 8-30ml 5000:1 25um x 12.5  | 700003220 |
| Capillary , Tube for 30-100ml 5000:1 30um x 8.2 | 700003226 |
| Capillary,Tube for 40um x 11.6" long            | 700003747 |

### HF Restrictor

|                                        |           |
|----------------------------------------|-----------|
| HF restirctor, Peeksil .5-2ml 15:1     | 700003607 |
| HF restirctor, Tube Blue, 2-8ml 100:1  | 700003608 |
| HF restrictor, Peeksil 8-30 ml 1000:1  | 700003228 |
| HF restrictor, Tube 30-100 ml 5000:1   | 700003230 |
| HF restrictor, Tube 100-150 ml 10000:1 | 700003231 |
| Filter , 2 ul Splitter                 | 700003269 |
| Tee , .030 splitter                    | 405005710 |
| Tee , .010 Bottom , splitter           | 405005703 |
| End Plug                               | 700003515 |

## AUTOPURIFICATION - SFO

### Active Flow Splitter

|                         |           |
|-------------------------|-----------|
| Flow Splitter Maint Kit | 201000134 |
| Flow Splitter Assembly  | 725000339 |

### Tubing, PEEK

|                          |            |
|--------------------------|------------|
| PEEK Tubing .010 x 1/16" | 6436003-S5 |
| PEEK Tubing .020 x 1/16  | 6436007-S5 |
| PEEK Tubing .040 x 1/16  | 6436009-S5 |

### PCM components

|                             |           |
|-----------------------------|-----------|
| RS 232 Cable external ca9   | 700001628 |
| ABLE Assy, CONN FAN, RF GEN | 700001278 |
| I-EEE Cable 6.6 ft.         | WAT087141 |
| Event Cable WAT048918       | WAT048918 |
| Pump gradient Cable6 ft     | 441000470 |
| Detector signal Cable       | WAT048918 |

## AUTOPURIFICATION - 2767

### Other Spares

|                                                     |           |
|-----------------------------------------------------|-----------|
| Injector Clip, Kit Left                             | 700001381 |
| DiverterValve Wash 1+2, Select ,+Peek, Sample Probe | 700001894 |
| Wash 1 / Wash 2 Biochem Valve                       | 700002120 |
| Reference Teach Block                               | 700001695 |
| X Belt                                              | 700001383 |
| Y Belt, Motor                                       | 700001384 |
| Y Belt, Carriage                                    | 700001602 |
| Z Belt                                              | WAT272028 |
| Vented Probe                                        | 700001387 |
| 20ul Sample loop                                    | 700000559 |

## AUTOPURIFICATION - 2767

### Other Spares - continued

|                                                            |           |
|------------------------------------------------------------|-----------|
| Injector port Assy, 2767/47 (pkg 4)                        | 700002284 |
| Front Safety Shield                                        | 700001390 |
| Side Safety Shield                                         | 700001391 |
| Probe Safety Shield                                        | 700001392 |
| Kit, Shield Clamp and Screw (8 each clamps & 3 each Screws | 700001393 |
| Power Supply 2747/2757/2767                                | 700005344 |
| Arm Assy, Complete Spare 2767                              | 700001396 |
| Arm Assy, Spare 2757/ 47                                   | 700001435 |
| Flex Ribbon Cable, Arm L&R 2746/2767                       | 700002531 |
| 2747/67 XLP syringe assy                                   | 700003531 |
| Pilot Light                                                | 700001403 |
| Right Arm Flag                                             | 700001404 |
| Shipping box, 2767/2747                                    | 290000290 |
| Kit, Wash Station H/W                                      | 700001405 |
| Diverter Valve, Mounting Bracket                           | 700001406 |
| Diverter Cable                                             | 700001413 |
| Tube Support S.S., Probe                                   | 700001414 |
| Micro Switch on Diverter Valve                             | 700001415 |
| Feet (4/pkg)                                               | 700001416 |
| Drip Tray                                                  | 700001417 |
| Rear Panel                                                 | 700001418 |
| Worktable, Cavro P/N 730625                                | 700001419 |
| Mounting Block, Injector                                   | 700001420 |
| Panel, Filler, Valve Solenoid                              | 700001421 |
| Face Plate MW                                              | 700001424 |
| Probe Holder, Peek clamp 2747/67                           | 700001926 |
| Cable, Probe Holder 27x7                                   | 700001928 |
| Probe Holder Peek 2757                                     | 700001927 |
| Wash Station Block 2757                                    | 700001399 |



## AUTOPURIFICATION - 2767

### Other Spares - continued

|                                                                           |           |
|---------------------------------------------------------------------------|-----------|
| Kit, Waste line/clamp Comprised of 975196 Drip Tray Waste Tube and 974126 | 700001428 |
| Diverter Vavle 100psi / 2757                                              | 205000155 |
| 3 Port Valve, Syringe                                                     | 700001402 |
| Z Motor 27x7                                                              | 700001408 |
| X Motor Assy 27x7                                                         | 700001696 |
| Kit, 10ml O-Ring 4 & Seals 4                                              | 700001411 |
| Rheodyne 7123-186, Stator, Analytical 2767                                | 700001666 |
| Rheodyne 7123-307 Stator, Prep 2767                                       | 700001560 |
| Rheodyne RV703-104 Valve Analytical, .015 7 Port, 3 Pos.                  | 700001829 |
| Rheodyne RV703-105 Prep Valve.024 Port 3 Pos                              | 700001830 |
| Rheodyne 7532-999-WA 2790 Inj. Valve rebuild Kit, Analytical              | 201000124 |
| Rheodyne 7105-999-WA, RV703-105 Injector Valve Rebuild Kit, Prep          | 700001331 |
| Rheodyne 5804-508 Driver PCB 2767                                         | 700001595 |
| Kit, Board, Injector valve Driver, Rheodyne                               | 700001828 |
| PM Kit 2767                                                               | 201000195 |
| PM Kit 2747                                                               | 201000132 |
| 2 ML Loop Kit XL                                                          | 700001407 |
| 5 ML Loop Kit XL                                                          | 700001375 |
| 10 ML Loop Kit XL                                                         | 700001376 |
| Assy, Holding Loop, 2ml ,27x7                                             | 700001986 |
| Assy, Sample Loop, 2ml , 27x7                                             | 700001987 |
| Assy, Holding Loop, 5ml, 27x7                                             | 700001988 |
| Assy, Sample Loop, 5ml, 27x7                                              | 700001989 |
| Assy, Holding Loop, 10ml, 27x7                                            | 700001990 |
| Assy, Sample Loop, 10ml, 27x7                                             | 700001991 |
| Assy, Adapter ,Equinox RJ45 to DB9                                        | 700002036 |
| S. S. Cross                                                               | 700001484 |

## AUTOPURIFICATION - 2767

### Other Spares - continued

|                                             |           |
|---------------------------------------------|-----------|
| Kit , Fastner Easy Grip& Grommet (20pkg)    | 700002525 |
| Kit, Tubing 2767/47 refer to 2767 Tube List | 700001430 |
| Kit, Tubing T6                              | 700002528 |
| Kit, Tubing T7                              | 700002529 |
| Kit, Tubing T8                              | 700002530 |
| Ribbon Cable2767 CCU to ARM                 | 700002531 |

### Tools

|                              |           |
|------------------------------|-----------|
| 1 Kit, RS-232 Cable& Adapter | 700001400 |
|------------------------------|-----------|

### Detector Cells

|                                 |           |
|---------------------------------|-----------|
| 996 Autopurification prep cell  | 289000612 |
| 2487 Autopurification prep cell | 289000935 |

### Miscellaneous

|                                       |           |
|---------------------------------------|-----------|
| PCBA 2nd Slam/ Hold Module w/ 100 psi | 700003177 |
| Dye Kit                               | 716000765 |
| Caffeine Kit 1000mg/ml 10ml           | 700003233 |
| 25 ml syringe Loop Kit XL             | 700003420 |
| 25ml syringe ,Assembly XL             | 700003421 |
| Prep union SS                         | WAT089801 |
| Fraction Collector to F/C Kit         | 700003232 |
| Union, Beige, peek                    | 700000607 |
| Tee, Black peek                       | 700000606 |
| Vial Retainer/Stripper Kit            | 205000332 |

### Peek Tubing for s/u KITS

|                            |           |
|----------------------------|-----------|
| Tubing, 0.05 peek x60in    | WAT022995 |
| Tubing, 0.010 peek x 60 in | WAT022996 |
| Tubing, 0.020 peek x 60 in | WAT022998 |

## **AUTOPURIFICATION - 2767**

### **Peek Tubing for s/u KITS**

|                                  |            |
|----------------------------------|------------|
| PEEK Tubing .040 x 1/16          | 6436009-S5 |
| PEEK Tubing, .005 x 1/16 x 60" - | WAT022995  |
| PEEK Tubing .020 x 1/16          | 6436007-S5 |
| PEEK Tubing .010 x 1/16" -       | 6436003-S5 |
| 1ml Sample Loop                  | 700001018  |
| 20ul Sample Loop                 | 700000559  |
| Assy. Divertre, Valve 100 psi    | 700002748  |

### **Prep Syringe KITS**

For Instrument SN starting with SN: B07XY6924 and above.

|                                                                                        |           |
|----------------------------------------------------------------------------------------|-----------|
| 2.0 mL Kit Mounting hardware, 2.5 mL XLP syringe,<br>2 mL sample loop and holding loop | 700004293 |
| 5 mL Kit Mounting hardware, 5 mL XLP syringe, 5<br>mL sample loop and holding loop     | 700004294 |
| 10 mL Kit Mounting hardware, 10 mL XLP syringe,<br>10 mL sample loop and holding loop  | 700004295 |
| 25 mL Kit Mounting hardware, 25 mL XLP syringe,<br>mL sample loop and holding loop     | 700003420 |

### **Syringes (XLP) Assy.**

|                    |           |
|--------------------|-----------|
| 500 UL SYRINGE XLP | 700003434 |
| 1ML SYRINGE XLP    | 700003435 |
| 2.5ML SYRINGE XLP  | 700003436 |
| 5ML SYRINGE XLP    | 700003437 |
| 10ML SYRINGE XLP   | 700003438 |
| 25ml SYRINGE XLP   | 700003421 |

## ALLIANCE GPC 2000

### Software

|                                                                                                                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 software Ver 2.0 Upgrade 6 CD-ROM (1-CDROM-OEM-MS-Windows 2000, 3-CDROM-Hard Drive Image, 1-CD-GPC2000 GUI, 1-Startup Video CD-ROM) only works with Intel/Radisys NLX SF810 Motherboard w/Pentium III @ 600MHz | 700002668 |
| EMPOWER GPC / LIGHT SCATTERING PERSONAL / workstation (PN 667 001 355 Disk only, Pno. 667 002 564 LS service Pack)                                                                                                      | 176000530 |
| Empower GPC / Light scattering workgroup                                                                                                                                                                                | 176000532 |
| Empower GPC / Light scattering enterise                                                                                                                                                                                 | 176000531 |

### Electronics - P.C.Boards

|                                                                                                                    |           |
|--------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 Detector Analog PCB (for RI & Visco)                                                                      | 700000692 |
| GPC 2000 Power Distribution PCB PC (Board with all Fuses)                                                          | 700000693 |
| GPC 2000 System Analog PCB Degasser (On/Off the Degasser and 24VPowerSupply, Controls LEDS on Syringe Front Door ) | 700000694 |
| GPC 2000 CIA Digital PCB ( inside the Computer Assy.)                                                              | 700000695 |
| GPC 2000 SMC Analog PCB (Stepper motor drivers and All Temp Sensors)                                               | 700000696 |
| GPC 2000 Pump Control PCB (Lower PCB, Pump control Turns on 24v Power Supply LTSM heater)                          | 700000697 |
| Pump Driver Board goes under Pump Tray                                                                             | WAT270919 |
| GPC 2000 Power Cord for 120 or 240 VAC ( NO Plug on AC-Voltage end)                                                | 700000828 |
| GPC 2000 AC Power inlet connector                                                                                  | 700000811 |
| GPC 2000 AC Line Filter                                                                                            | 700000812 |

## ALLIANCE GPC 2000

### Electronics - P.C.Boards - continued

|                                                                                                     |           |
|-----------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 24V Power Supply                                                                           | 700000705 |
| GPC 2000 I/O Card (inside GPC2000 computer )                                                        | 210000130 |
| GPC 2000 I/O Card 16 Pos connector (Used on I/O card inside Injector start Switch GPC2000 computer) | 700001808 |

### Fuse

|                                                                                             |           |
|---------------------------------------------------------------------------------------------|-----------|
| GPC 2000 3 AG 20amps, 250voltage Fuse, 1 Pk (Ceramic Housing, Located behind AC Power Cord) | 700000876 |
| GPC 2000 3AG 15amps, 32voltage Fuse 5 Pk (Glass Housing)                                    | 700001032 |
| GPC 2000 3AG 5amp, 250voltage Fuse 5 Pk (Glass Housing)                                     | WAT005116 |

### Cables

|                                                                                                 |           |
|-------------------------------------------------------------------------------------------------|-----------|
| 24V to SMC 24V to SMS Analog Board                                                              | 700001809 |
| 24V to Pump Driver Board Longset                                                                | 700001810 |
| 50 PIN Round to Flat B3-J4 to J2 on CIA (1st computer connector) to J4 on SMC Analog PCB        | 700002057 |
| 40 PIN Round to Flat B3-J5 to J3 on CIA (2nd computer connector) to J5 on SMC Analog PCB        | 700002058 |
| 44 PIN Round to Flat B5-J9 to J8 on CIA (3rd computer connector).....to J9 on System Analog PCB | 700002059 |
| 60 PIN Round to Flat B1-J1 to J9 on CIA (4th computer connector)..... to J1 on Detector PCB     | 700002060 |
| PC_RS232 Com Port 1 to Pump Controller Computer to B4-J2                                        | 700002061 |
| CABLE, DET ANALOG T NON-WATERS                                                                  | 700001820 |

## ALLIANCE GPC 2000

### Computer

|                                                                                         |           |
|-----------------------------------------------------------------------------------------|-----------|
| GPC 2000 Computer Assy.                                                                 | 700000698 |
| GPC 2000 Power Cord to Computer                                                         | 700001815 |
| GPC 2000 CIA Digital PCB (inside the Computer Assy. ribbon Cables connect to CIA card ) | 700000695 |
| GPC 2000 Computer Power Supply                                                          | 700000700 |
| DRW DRIVE 52 X 24 X 52                                                                  | 700002643 |
| GPC 2000 256 Mb Ram Memory Module 16x64 for older computers KU BL (PC 100MHz Bus )      | 700001481 |
| GPC 2000 I/O CARD Analog signals                                                        | 210000130 |
| GPC 2000 I/O 16 Pos connector                                                           | 700001808 |
| Power Cord 220V/20 AMP                                                                  | 700000827 |
| GPC2000 Power Cord, Intl. no plug 240V                                                  | 700000828 |
| NLX Riser card (CPU Mother Board plugs into Riser card)                                 | 700000885 |
| 80 GB HD, Unconfigured                                                                  | 700000985 |

### Degasser

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| GPC2K DEGASSER ASSY, CONSTANT RUN                                                  | 700000725 |
| GPC 2000 Degasser Solvent Select Valve for A&B, 2-Way Valve                        | 700000726 |
| Degasser Assy, PCB                                                                 | 700002511 |
| GPC 2000 Degasser Sensor PCB fit all GPC2000 up to Serial No. older degasser- P170 | 700000727 |
| GPC 2000 Degasser Vacuum Pump fit all GPC2000 up to Serial No. **** - P170         | 700000728 |
| GPC 2000 Degasser Chamber fit all GPC2000 up to Serial No. **** - P170             | 700000729 |

## ALLIANCE GPC 2000

### Degasser

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| PERFORMANCEPLUS VACDEGAS CHAMBER<br>STENTED                            | 700005508 |
| GPC 2000 Degasser Tube Assy,SSV A                                      | 700000730 |
| GPC 2000 Degasser Tube Assy,SSV B                                      | 700000731 |
| 7/32 inch OD x 3/32 inch I.D. Vacuum Degasser<br>Tubing 60 inches long | 700002180 |
| 1/4 inch OD x 1/8 inch I.D. Vacuum Degasser<br>Tubing 60 inches long   | 700002181 |

### LTSM

|                                                                                                                             |           |
|-----------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 LTSM for GPC2000 (Refractometer) only                                                                              | 700001482 |
| GPC 2000 LTSM for GPC/V with Viscometer                                                                                     | 700000714 |
| GPC 2000 LTSM Heater w/connector                                                                                            | 700000722 |
| GPC 2000 Tranducer 5.5 Kpa, LTSM (Visco P1<br>Transducer in LTSM )                                                          | 700000715 |
| GPC 2000 Tranducer 55 Kpa, LTSM (Visco P2<br>Transducer in LTSM )                                                           | 700000716 |
| GPC 2000 Tranducer-Out Tube Assy,P-B                                                                                        | 700000718 |
| GPC 2000 Tranducer-In Tube Alsip-A                                                                                          | 700000719 |
| GPC 2000 Tranducer Tube 55 Pos Tee                                                                                          | 700000720 |
| GPC 2000 Tranducer Tube 5.5 Pos Tee                                                                                         | 700000721 |
| GPC 2000 LTSM Thermistor Probe                                                                                              | 700000723 |
| GPC 2000 LTSM Thermal Switch (over temp Switch<br>on back LTSM, can be reset )                                              | 700000724 |
| GPC 2000 2-Way Solenoid Valve 316 S.S (RI purge<br>and Sample Make-up valve, Fittings are 5/16 inch<br>Compression Fitting) | 700000717 |

## ALLIANCE GPC 2000

### Pump

|                                                           |           |
|-----------------------------------------------------------|-----------|
| GPC 2000 Pump Tray Assy                                   | 700000713 |
| Pump Driver Board goes under into Pump Tray Assy          | WAT270919 |
| GPC 2000 Inline Filter Assy,Pump                          | WAT035190 |
| GPC 2000 Filter Insert 2μ                                 | WAT088084 |
| Head Plunger Seals replacement Kit (yellow)               | WAT270938 |
| Head Plunger Seals replacement Kit (black)                | WAT271066 |
| Head Plunger Seals replacement Kit (clear)                | 700001326 |
| Head Face Seals replacement Kit (4)                       | WAT270939 |
| Seal extraction tool                                      | WAT039803 |
| Seal insertion tool                                       | WAT270969 |
| GPC 2000 Pump Fan                                         | 700000810 |
| Pressure Transducer (pump and bubble check syringe Assy.) | WAT270966 |
| Seal Wash Option Kit                                      | WAT270872 |

### Carousel

|                                                                                                                                                                    |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC2K 24 POS, SINGLE PLATE, CAROUSEL                                                                                                                               | 700002406 |
| GPC 2000 Kit of 6 of Black Vial Bearing Holder Pno. 405001979 with orange O-rings Pno.42500153 for 24 position New Carrousel with S.S. Handel                      | 700002407 |
| GPC 2000 40 Position Carousel for 4 ml vial only                                                                                                                   | 700002136 |
| GPC 2000 Stepper motor-Mixer Assy                                                                                                                                  | 700000732 |
| GPC 2000 Stepper motor-Carousel Assy                                                                                                                               | 700000733 |
| GPC 2000 Stepper Mtr-Swingarm Assy                                                                                                                                 | 700000735 |
| GPC 2000 Switch W/Cable, SMS Low/Room Temp (Room Temp Switch 3-location, cam Switch pulling in Carrousel, swing arm Switch for Needle wash or injection position ) | 700000764 |
| GPC 2000 Carousel Oven Heater,SMS                                                                                                                                  | 700000737 |



## ALLIANCE GPC 2000

### Carousel - continued

|                                                                                                                                                                                                                       |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 Thermal Switch 240C, SMS (Over temp Switch on the Injector Tower, Top column compartment Cover heater )                                                                                                      | 700000738 |
| GPC 2000 SMS Door Open Optical Switch (Left Side of SMS Door Door close Switch )                                                                                                                                      | 700000739 |
| GPC 2000 Injector Floor Tower Assy (Floor of the Needle wash)                                                                                                                                                         | 700002308 |
| GPC 2000 Injector Needle                                                                                                                                                                                              | 700000743 |
| GPC 2000 Injector Vent Needle Assy                                                                                                                                                                                    | 700001106 |
| GPC 2000 Nut to attach Injector Needle                                                                                                                                                                                | 700001821 |
| GPC 2000 Needle Wash Assy                                                                                                                                                                                             | 700000744 |
| GPC 2000 Spur Gear Assy 36T,SMS                                                                                                                                                                                       | 700000745 |
| GPC 2000 Humbles Gear 36T,SMS                                                                                                                                                                                         | 700000748 |
| GPC 2000 Toulon Washer 1X1.25,SMS                                                                                                                                                                                     | 700000749 |
| GPC 2000 Tubing .250 X.180X 7,SMS                                                                                                                                                                                     | 700000750 |
| GPC 2000 Mix Cover Flange Bushing                                                                                                                                                                                     | 700000751 |
| GPC 2000 Flange Bushing, SMS                                                                                                                                                                                          | 700000752 |
| GPC 2000 5 ml Hot Holding Loop, SMS (48 inches of 0.125 inch OD x 0 .093 inches ID)                                                                                                                                   | 700000753 |
| GPC 2000 Shaft w/sprocket,SMS                                                                                                                                                                                         | 700000754 |
| GPC 2000 Tensioner Chain Assy,SMS                                                                                                                                                                                     | 700000755 |
| GPC 2000 Ratchet Assy, SMS                                                                                                                                                                                            | 700000756 |
| GPC 2000 Sprocket 85T,SMS                                                                                                                                                                                             | 700000758 |
| GPC 2000 Chain,150 Link                                                                                                                                                                                               | 700000759 |
| Hi Temp Switch Carousel Home Position Switch Assembly w/Cable, (used in all three Hi Temp Switches Locations, Upper or Lower Injector tower Hi Temp Switch and Right Side Carrousel Position Hi Temp Switch Assembly) | 700000760 |

## ALLIANCE GPC 2000

### Carousel - continued

|                                                                                                                                          |           |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 Switch activator with wheel cam (ALL three Hi Temp SMS Switches::Upper,Lower Injector tower and Carousel Home position Switch ) | 700000768 |
| GPC 2000 LoTemp Switch W/Cable, 28 inches SMS                                                                                            | 700000764 |
| GPC 2000 Carousel Heater 7.5"x3.0", 3.0"x3.0", 5.5"x3.0"                                                                                 | 700000765 |
| GPC 2000 Carousel Heater Short 7.5"x3.0", 3.0"x3.0", 5.5"x3.0"                                                                           | 700000766 |
| Flange Bushing 1.75 inchesID,SMS (Swing Arm Carbon Bushing 1.75)                                                                         | 700000757 |
| Flange Bushing 1.5 inchesID,SMS (Center Carbon Bushing that carousel rotates on)                                                         | 700000767 |
| GPC 2000 Carousel Heater Short 7.5"x3.0", 3.0"x3.0", 5.5"x3.0"                                                                           | 700000766 |
| GPC 2000 Tubing 0.25X0.18X 1.3,SMS                                                                                                       | 700000769 |
| GPC 2000 Mixer Gear w/shaft                                                                                                              | 700000772 |
| Thermistor Probe Assembly for Heat detection ( three Temp Sensor in Column/Detector and SMS compartment all are same )                   | 700000774 |
| GPC 2000 Photoelectric Sensor, SMS (Sensor that counts vials also used tell what carousel is installed it's Green Box)                   | 700000776 |
| GPC 2000 Crossover Tube Heater                                                                                                           | 700000777 |
| GPC 2000 Restrictor Assy, SMS (Solvent SMS Pre - Heater Loop in SMS NA9 inch 316S.S. Tubing )                                            | 700000779 |

## ALLIANCE GPC 2000

### Carousel - continued

|                                                                                                         |           |
|---------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 Needle inlet-Inj Tube Needle to Injector Valve Port 6 (with Yellow Teflon sleeve)              | 700000780 |
| GPC 2000 Sample overflow-Hold Tube                                                                      | 700000781 |
| GPC 2000 Overfill inlet Tube Hot Holding loop to Injector Valve Port 5 (0.XZY with Black Teflon sleeve) | 700000782 |
| GPC 2000 Fiber Optics w/bracket                                                                         | 700000783 |
| GPC 2000 Door Open Switch Assy (white Switch on front grill of SMS)                                     | 700000790 |
| GPC 2000 Kit Ramp, Front and Tray Casting (Two Ramps 405002088, 405002116 )                             | 700002182 |

### COLUMN and DETECTOR COMPARTMENT

#### Rheodyne Injector Loops

|                                 |           |
|---------------------------------|-----------|
| 5 ul std. Non calibrated loop   | WAT096223 |
| 10 ul std. Non calibrated loop  | WAT007041 |
| 20 ul std. Non calibrated loop  | WAT096224 |
| 50 ul std. Non calibrated loop  | WAT096225 |
| 100 ul std. Non calibrated loop | WAT096226 |

#### Rheodyne Injector Loops for GPC2000

|                                  |           |
|----------------------------------|-----------|
| 100 ul calibrated Loop +/- 1 ul  | WAT223720 |
| 200 ul calibrated Loop +/- 1 ul  | 700000794 |
| 300 ul calibrated Loop +/- 1 ul  | 700000845 |
| 400 ul calibrated Loop +/- 1 ul  | 700000846 |
| 1000 ul calibrated Loop +/- 1 ul | 700001018 |

## ALLIANCE GPC 2000

### Rheodyne Injector Parts

|                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------|-----------|
| Rheodyne Ferrule 10/pk (PN WAT007020 one Rheodyne Ferrule 1/16 inch)                                                    | WAT005058 |
| STD.Rheodyne Short Compression Screw 10/pk (PN WAT007022 one Rheodyne Compression 1/16 inch)                            | WAT005059 |
| Rheodyne Long Compression Screw 10/pk                                                                                   | WAT005060 |
| Rheodyne Extra Long Compression Screw 10/pk                                                                             | WAT060051 |
| GPC 2000 Rheodyne Injector Valve w/motor (Different pin out on Cablethan Bypass)                                        | 700000802 |
| GPC 2000 Rheodyne Bypass Valve w/motor (Different pin out on Cablethan Injector)                                        | 700000803 |
| GPC 2000 Rheodyne Bypass and/or Injector Valve Cartridge (Same Cartridge for either Rheodyne Bypass or Injector Valve ) | 700000853 |
| GPC2000 Rheodyne Valve rotor Seal                                                                                       | 700003274 |
| GPC2000 Rheodyne Valve 6 port sator                                                                                     | 700003275 |
| Waters Ferrule 10/pk ( P/N WAT022330 one Waters standard 1/16 inch Tube Ferrule )                                       | WAT005063 |
| Waters Compression Screw 10/pk                                                                                          | WAT005070 |
| Thermistor Probe Assembly for Heat detection                                                                            | 700000774 |
| GPC 2000 Drain Tube DET Oven                                                                                            | 700000793 |
| Column Left Side heater,Top,End RI Heater                                                                               | 700000795 |
| Column Right Side heater,Top Heater                                                                                     | 700000796 |
| Column back side heater,Rear Heater                                                                                     | 700000797 |
| Column Bottom Heater                                                                                                    | 700000798 |
| GPC 2000 Bypass # 6 to RI Tubing                                                                                        | 700000799 |
| GPC 2000 RI Reference out to Purge "A"                                                                                  | 700000800 |
| GPC 2000 Bypass Loop Tube                                                                                               | 700000801 |
| GPC 2000 Inject-Bypass Tube                                                                                             | 700000804 |
| GPC 2000 inlet to Bypass Tube                                                                                           | 700000805 |

## ALLIANCE GPC 2000

### Rheodyne Injector Parts - continued

|                                                              |           |
|--------------------------------------------------------------|-----------|
| GPC 2000 Column out-Bypass Tube                              | 700000806 |
| GPC 2000 LH Friction Hinge                                   | 700000807 |
| GPC 2000 Slide Latch, RI Oven                                | 700003426 |
| Refractometer to Viscometer Tube Assembly NA9 to 0.040 10.5" | 700001993 |
| Refractometer to Viscometer Tube Assembly NA9 to 0.040 8.5"  | 700000821 |

### High Mw Tubing Kit

|                                    |           |
|------------------------------------|-----------|
| GPC2000 High Mw Tubing Kit (.014 ) | 700002314 |
|------------------------------------|-----------|

### Vapor Sensor

|                                         |           |
|-----------------------------------------|-----------|
| Organic Solvent vapor Sensor            | 363000100 |
| VAPOR SENSOR BLOCK ASSY W/SMS CONDENSER | 700002457 |

### Refractometer

|                                                                                            |           |
|--------------------------------------------------------------------------------------------|-----------|
| Yellow Pyropel Strip Gasket for Refractometer Assembly (used on older RI optical Benches ) | 700000706 |
| LED Assembly                                                                               | 700000707 |

|                                                                                                                                                                                                                                                       |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Third - RDE design insulation around RI detector<br>Gray "P" Gasket Insulator Tube this P Gasket is 14 inches of 425000318 (Insulation at base of RI and goes around RI between Column / Detector oven to sTop air flow from SMS to RI optical cell ) | 700002401 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|

|                                              |           |
|----------------------------------------------|-----------|
| New RI Fan Assembly Mounts to the Top of SMS | 700000791 |
|----------------------------------------------|-----------|

|                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------|-----------|
| Refractometer to Viscometer Tube Assembly 0.009 to 0.040x10.5" Green end-Larger 40/1000 end goes towards Visco Detector | 700001993 |
|-------------------------------------------------------------------------------------------------------------------------|-----------|

|                                           |           |
|-------------------------------------------|-----------|
| GPC 2000 10 micron Inline Filter, Refract | 700000821 |
| Filter Insert 10μ                         | 700000938 |

## ALLIANCE GPC 2000

### Refractometer - continued

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| Filter Housing 3.9mm column                                                | WAT024388 |
| RI Photo Diode Cableextension for A or B photodiode goes to Detector Board | 441000160 |
| Distributor Disk 3.9mm column                                              | 700000938 |
| CableAssembly RI cooler extension Cable                                    | 700000791 |

### Viscometer

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| Flow Through Visco Kit 20 ml                                                        | 700002512 |
| Gold Transducer Viscometer , GPCV 2000                                              | 700002858 |
| GPC 2000 LTSM w/ Viscometer                                                         | 700000714 |
| GPC 2000 LTSM for RI only                                                           | 700001482 |
| GPC 2000 Viscometer Assy with 20mL delay loops                                      | 700000830 |
| GPC 2000 Viscometer Assy with 40mL delay Loops                                      | 700001310 |
| GPC 2000 Tee-Waste Tee Tube Assy                                                    | 700000833 |
| GPC 2000 Back DL-Tee Tube                                                           | 700000834 |
| GPC 2000 Front DL-Middle Tee Tube                                                   | 700000835 |
| GPC 2000 Front DL-Bottom Tee Tube                                                   | 700000836 |
| GPC 2000 6.5" Cap-Back DL Tube                                                      | 700000837 |
| GPC 2000 Viscometer Tube Assy                                                       | 700000838 |
| GPC 2000 Visco out-Waste Tube 0.040 ID S.S. Tubing Covered with Black Teflon sleeve | 700000839 |
| GPC 2000 Isolation Valve A-Tee Tube                                                 | 700000840 |
| GPC 2000 Sample Makeup Tube Assy                                                    | 700000841 |
| GPC 2000 Spring Clamp                                                               | 700000844 |
| Refractometer to Viscometer Tube Assembly NA9 to 0.040 a length of 10.5"            | 700001993 |
| Refractometer to Viscometer Tube Assembly NA9 to 0.040 a length of 8.5"             | 700000821 |
| Visco P2 Extensions Cable                                                           | 441000435 |
| Visco P1 Extensions Cable                                                           | 441000437 |

## ALLIANCE GPC 2000

### Waste Manifold

|                                                                                              |           |
|----------------------------------------------------------------------------------------------|-----------|
| 316 S.S.Tubing w/ Black Teflon Cover, GPC 2000<br>Visco out- Waste Tube 0.040 ID S.S. Tubing | 700000839 |
| GPC 2000 Drip Muffler Manifold Assembly with<br>Tube (NEW DESIGN)                            | 700002312 |
| GPC 2000 Drip Muffler Manifold (NEW DESIGN)                                                  | 700000822 |
| GPC 2000 Waste Tubing, Teflon Tube w/ 5/16 I.D.<br>inch by 10 Ft                             | 700000971 |
| GPC 2000 Spring Clamp, 3/8"                                                                  | 700000972 |
| Drip Muffler Clear Tube Assy. (PTFE Tubing O.D.<br>0.125 inches x 7 inches with 1/8 inch)    | 700002313 |

### Syringe Compartment

|                                                                                      |           |
|--------------------------------------------------------------------------------------|-----------|
| GPC 2000 Syringe Drive Assy w/ 5ml syringe                                           | 700000982 |
| GPC 2000 5 mL Syringe used in Syringe<br>Drive/Pump Assy. Pno. 700 000 982           | 700000784 |
| GPC 2000 5 ml Teflon ( White ) Syringe Seal Tip                                      | WAT077347 |
| GPC 2000 5 ml DX205 (Black) Syringe Seal Tip                                         | WAT073209 |
| GPC 2000 250 ul Syringe Plunger Tip                                                  | WAT073195 |
| GPC 2000 Syringe Seal Kit for 5 mL Syringe 700<br>000 784                            | WAT073210 |
| GPC 2000 Green LED Assy                                                              | 700000785 |
| GPC 2000 Yellow LED Assy                                                             | 700000786 |
| GPC 2000 red LED Assy                                                                | 700000787 |
| GPC 2000 Transducer-Syringe Tube                                                     | 700000813 |
| GPC 2000 Syringe Tee to Syringe Valve In                                             | 700000814 |
| GPC 2000 Syringe-Xsducer Tube                                                        | 700000815 |
| GPC 2000 Syringe inlet Tube                                                          | 700000816 |
| GPC 2000 Pump Out Tube                                                               | 700000817 |
| GPC 2000 Purge Valve-Drain Tee Tube                                                  | 700000818 |
| GPC 2000 Syringe Valve-Overfill Tube (Syringe<br>Valve Port B to Cold Holding Loop ) | 700000819 |

## ALLIANCE GPC 2000

### Syringe Compartment - continued

|                                                                                                                                                                                       |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 2-Way Solenoid Valve with Kalrez Diaphragm has Waters 5/16 inch Compression Fitting RI purge and Sample Make-up valve, S.S.Body Not compatibility with either HFIP or Flutec | 700000717 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|

|                                                                                                             |           |
|-------------------------------------------------------------------------------------------------------------|-----------|
| GPC 2000 2-Way Solenoid,S.S body, (A&B Isolation and Syringe Injector valve,Fitting are 1/4 inch - 20 unc ) | 700000829 |
|-------------------------------------------------------------------------------------------------------------|-----------|

### Caps, Vials, Filters & Tools

|                                                                                                           |           |
|-----------------------------------------------------------------------------------------------------------|-----------|
| 10 ML VIAL HOLDER Assy, 6/PK w/316 S.S. polished bottom ( for 10 ml glass vial w/Screw Cap or Crimp Cap ) | 600000227 |
|-----------------------------------------------------------------------------------------------------------|-----------|

|                                                            |           |
|------------------------------------------------------------|-----------|
| GPC 2000 20MM Cap Crimper for 10 ml glass Crimp Cap Vial ) | 700000847 |
|------------------------------------------------------------|-----------|

|                                                                    |           |
|--------------------------------------------------------------------|-----------|
| GPC 2000 Decapping Pliers, 20MM ( for 10 ml glass Crimp Cap Vial ) | 700000852 |
|--------------------------------------------------------------------|-----------|

|                           |           |
|---------------------------|-----------|
| Filter, 2.0 MICRON, 24 PK | 600000369 |
|---------------------------|-----------|

|                           |           |
|---------------------------|-----------|
| Filter, 0.5 MICRON, 24 PK | 600000370 |
|---------------------------|-----------|

|                                                                             |           |
|-----------------------------------------------------------------------------|-----------|
| Filter VIAL Assy, GPC2000 24/PK (works for either 2.0 or 0.5 micron Filter) | 600000186 |
|-----------------------------------------------------------------------------|-----------|

|                                                                              |           |
|------------------------------------------------------------------------------|-----------|
| Filter VIAL Assy, GPC2000, 6/PK (works for either 2.0 or 0.5 micron FilterQ) | 600000228 |
|------------------------------------------------------------------------------|-----------|

|                                         |           |
|-----------------------------------------|-----------|
| Filter Plunger Insert, FLTR. VIAL, 6/PK | 600000229 |
|-----------------------------------------|-----------|

|                                                                 |           |
|-----------------------------------------------------------------|-----------|
| Filter PLUNGER Seal, Filter VIAL, 24/PK Material is FLUOROLY 09 | 600000230 |
|-----------------------------------------------------------------|-----------|

|                                        |           |
|----------------------------------------|-----------|
| Filter CAN, FORMED, Filter VIAL, 24/PK | 600000231 |
|----------------------------------------|-----------|

|                               |           |
|-------------------------------|-----------|
| Seal with SEPTA, 20 MM, 100PK | 600000138 |
|-------------------------------|-----------|

|                                   |           |
|-----------------------------------|-----------|
| 10mL Glass Screw Cap Vial 100/pkg | 186001420 |
|-----------------------------------|-----------|

|                                       |           |
|---------------------------------------|-----------|
| Screw Cap for 10mL glass vial 100/pkg | 186001421 |
|---------------------------------------|-----------|



## ALLIANCE GPC 2000

### Caps, Vials, Filters & Tools - continued

|                                                                                           |           |
|-------------------------------------------------------------------------------------------|-----------|
| PTFE Septum for 10mL Screw Cap glass Vials<br>100/pkg                                     | 186001422 |
| Std 4mL VIAL Assy,10 Gross w/black phenolic cap<br>and septa                              | WAT073018 |
| GPC 2000 Package 6 of 4mL Vial Holder for 24<br>Position Carousel                         | 289000580 |
| GPC 2000 Package 40 of 4 ml Vial Holder for 40<br>Position Carousel                       | 700002149 |
| GPC 2000 Package 10 of 4 ml Vial Holder for 40<br>Position Carousel                       | 700002150 |
| 4mL Vial, Srw Top 100/pkg                                                                 | 186000840 |
| PTFE Septum for 4mL Black Phenolic Screw Cap<br>Vials 144/pkg                             | WAT072714 |
| GPC2K 24 POS, SINGLE PLATE, CAROUSEL                                                      | 700002406 |
| Kit of 6 Black Bearing 10 ml Vial Holder with Orange<br>O-rings                           | 700002407 |
| GPC 2000 40 Position Carousel - used with only 4<br>ml vials Holders PN 70002150          | 700002136 |
| GPC 2000 Package 40 of 4 ml Vial Holder for 40<br>Position Carousel                       | 700002149 |
| GPC 2000 Package 10 of 4 ml Vial Holder for 40<br>Position Carousel                       | 700002150 |
| GPC 2000 Carousel Handle Assy                                                             | 700000850 |
| GPC 2000 Decapping Pliers, 20MM                                                           | 700000852 |
| GPC 2000 20MM Cap Crimpier                                                                | 700000847 |
| GPC 2000 Adjustable Vent Gate                                                             | 700000973 |
| GPC 2000 Isolation Valve Tee-Syringe Tube<br>(Syringe Pump inlet to Isolation Valve Tee ) | 700000974 |
| GPC 2000 RI Purge Valve - Drain Tube                                                      | 700000975 |
| GPC 2000 Cone Tubing .50 IDx24L                                                           | 700000976 |
| GPC 2000 Snout 6", Vented                                                                 | 700000977 |

## ALLIANCE GPC 2000

### Caps, Vials, Filters & Tools - continued

|                                                         |           |
|---------------------------------------------------------|-----------|
| GPC 2000 24volt Exhaust Fan (4.0 inch vent/exhaust Fan) | 700000983 |
| 2690 Solvent in-val degas Tube                          | WAT270987 |

### PM Kit

|                 |           |
|-----------------|-----------|
| GPC 2000 PM Kit | 201000111 |
|-----------------|-----------|

### Polystyrene Std..

|                                                      |           |
|------------------------------------------------------|-----------|
| 5.0 gms 190K Polystyrene bulk standard               | WAT011608 |
| (1mg/mL) premeasured 100mg 190k polystyrene standard | 600000267 |

### Misc. Parts - Hardware

|                                            |           |
|--------------------------------------------|-----------|
| Aluminum Instrument Support Blocks 4" x 2" | 700001932 |
|--------------------------------------------|-----------|

### Updates

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| Tube Assy. from Viscometer to Waste                              | 700000839 |
| 425000318 length of 14 inches RI Gray Tubing                     |           |
| Insulation (nsulation between RI and base Column/ Detector oven) | 700002401 |
| New SMS Assy w/Manual Door                                       | 700002879 |

## 2700 Sample Management System

### Modules

|                                     |           |
|-------------------------------------|-----------|
| Universal Mini Wash pump Assembly   | 700001311 |
| 2700 XLP 3000 SYRINGE ASSY., 4 PORT | 700003440 |
| 4 port valve                        | WAT272089 |
| ALIDUM level Sensor                 | WAT272038 |
| Power Supply                        | WAT272040 |
| Wash station Assy                   | WAT272055 |

## 2700 Sample Management System

### Modules - continued

|                       |           |
|-----------------------|-----------|
| Power Switch/corcom   | WAT272042 |
| Spare arm Assy        | WAT272049 |
| X motor               | WAT272067 |
| Y Motor               | WAT272068 |
| Z Motor               | WAT272069 |
| Rheodyne Valve Assy   | WAT272613 |
| Diverter Valve Option | WAT272006 |
| Diverter Valve        | WAT272088 |

### Boards

|                                |           |
|--------------------------------|-----------|
| Power Switch PCB               | WAT272601 |
| CCU board                      | WAT272029 |
| ADRI-9 board with out          | WAT272030 |
| Control Board for Inject Valve | WAT272032 |
| I/O Board                      | WAT272033 |
| Arm Flex CableLeft             | WAT272035 |
| Cable, XI 3000 comm 2 pump     | WAT272036 |
| Refurbished 2700               | 800000103 |

### PCB

|            |           |
|------------|-----------|
| PCB XL3000 | WAT272034 |
|------------|-----------|

### Tubing

|                                      |           |
|--------------------------------------|-----------|
| Wash Pump inlet/Outlet Tubing 1/4-28 | WAT272085 |
| Tubing, mini wash, RF Outlet         | 700001313 |
| Tubing, mini wash, RF inlet          | 700001312 |
| Wash Pump Interconnect Tubing 1/4-28 | WAT272086 |
| Internal Pump Tubing 2pk             | WAT272600 |
| BulkHead Fitting 1/4-28              | WAT272602 |
| Probe Tubing                         | WAT272083 |

## 2700 Sample Management System

### Tubing - continued

|                                         |           |
|-----------------------------------------|-----------|
| Waste Tubing (large)                    | WAT272084 |
| Tubing Assy Inj. Valve to Wash          | WAT272604 |
| Interconnect Tubing 1/4-28              | WAT272081 |
| Reagent Tubing (new p/n changed length) | WAT272082 |
| Tubing Kit, Div (1 ea)                  | WAT272626 |
| Tubing, Probe 56 Long                   | WAT272060 |

### Miscellaneous

|                                 |           |
|---------------------------------|-----------|
| Lube Kit                        | WAT272065 |
| Belt XL3000                     | WAT272064 |
| Insulation block for DTP        | WAT272051 |
| Diverter Valve Insulation Block | WAT272610 |
| Cable RS232 w/D89 Adapter       | WAT272037 |
| Optical Sensor                  | WAT272039 |
| Pause button/LED                | WAT272041 |
| Fuse Kit                        | WAT272044 |
| Arm Probe shield                | WAT272054 |
| Drip Tray                       | WAT272603 |
| RS-232 internal Cable           | WAT272605 |
| 10Pin Terminal MALE Plug        | WAT272606 |
| 10Pin Terminal Female Plug      | WAT272637 |
| Micro Plate holder & Screws     | WAT272607 |
| Rear Panel                      | WAT272608 |
| Belt x                          | WAT272026 |
| Belt y                          | WAT272027 |
| Belt z                          | WAT272028 |
| Switch, PCB Jumper Cable        | WAT272031 |
| Fuse drawer                     | WAT272043 |
| Operator's Manual 2700          | WAT242101 |
| Z rack bar                      | WAT272050 |

## 2700 Sample Management System

### Miscellaneous - continued

|                                        |           |
|----------------------------------------|-----------|
| Dynamic Tube Positioner                | WAT272052 |
| Plastic Side Shield – Left             | WAT272053 |
| Interconnect Manifold                  | WAT272056 |
| Spare Screw Kit Probe Insulation Black | WAT272057 |
| Screw driver                           | WAT272058 |
| Wrench Set Metric                      | WAT272059 |
| Location guides                        | WAT272611 |
| Shipping block & Screw                 | WAT272061 |
| Shipping box/ Packaging                | WAT272612 |
| Cap piercing probe                     | WAT272070 |
| Rack 6 MTP                             | WAT272016 |
| Rack Dual Micro Plates                 | WAT272017 |
| Rack Smpl 13 mm 100Tubes               | WAT272018 |
| Rack, Eppendorff Tube                  | WAT272019 |
| Stator 2700                            | WAT272614 |
| Rotor 2700                             | WAT272615 |
| Sample loop                            | 700000559 |
| Ferrule 10pkg                          | WAT005058 |
| Comp. Screw 10pkg                      | WAT005059 |
| Plastic Side Shield w/hole             | WAT272066 |
| Rheodyne Ferrule Kit                   | 888000215 |
| PM Kit                                 | WAT272045 |
| Plunger Screw                          | 700000124 |
| Large Bore Rotor Seal                  | 201000125 |
| Injector Port Fitting Peek             | 700001711 |

### Reagent Syringes

|                        |           |
|------------------------|-----------|
| 500 ul Syringe         | WAT272080 |
| O-Ring, 500 ul Syringe | WAT272079 |
| Seal, 500 ul Syringe   | WAT272078 |

## 2700 Sample Management System

### Reagent Syringes - continued

|                        |           |
|------------------------|-----------|
| 1.0 ml Syringe         | WAT272617 |
| O-Ring, 1.0 ml Syringe | WAT272618 |
| Seal, 1.0 ml Syringe   | WAT272619 |
| 2.5 ml Syringe         | WAT272620 |
| O-Ring, 2.5 ml Syringe | WAT272621 |
| Seal, 2.5 ml           | WAT272622 |
| O-Ring, 5 ml Syringe   | WAT272624 |
| Seal, 5 ml             | WAT272625 |
| 5 ml Syringe           | WAT272623 |
| 10 ml Syringe          | 700000471 |

## 2777 / 2777c Sample Manager

### Miscellaneous

|                             |           |
|-----------------------------|-----------|
| 2777/2777c PM Kit           | 201000162 |
| 2777/2777c Tool Kit         | 700004444 |
| Torx Driver (T10)           | WAT057348 |
| Torx Driver (T20)           | 700002345 |
| Torx Driver (T25)           | 700002346 |
| PAL, Lubrication Kit        | 700002945 |
| 2777 Packaging Box complete | 290000433 |
| Space Saver Shelf           | 205000248 |
| Teflon Tubing, 12meters     | 700002470 |

### Body

|                                     |           |
|-------------------------------------|-----------|
| Injection Unit                      | 700002201 |
| Transparent Cover on Injection Unit | 700002202 |
| Plexiglass Safety Shield 2777       | 700002203 |
| Upper Needle Guide,Gauge 19         | 700002458 |
| Lower Needle Guide,Gauge 19         | 700002459 |

## 2777 / 2777c Sample Manager

### Body - continued

|                                          |           |
|------------------------------------------|-----------|
| Tension Cord 280mm Inj. Unit 2777 System | 700002303 |
| Tension Cord for needle guide 2777       | 700002304 |
| Control Terminal for Waters 2777         | 700002290 |
| Holder Assy. For Control Terminal        | 700002291 |
| Injection Unit Screw (10/pk)             | 700002347 |
| Standard Leg 215mm                       | 700002348 |
| Thumb Screw (M4x28)                      | 700002350 |

### PCB's and PSU's

|                               |           |
|-------------------------------|-----------|
| 2777 CPU                      | 700002186 |
| 2777 Motor Driver PCB         | 700002187 |
| 2777c Control Board PCB       | 700002493 |
| X and Y Sensor PCB            | 700003759 |
| Fuse 6.3A for CPU (10/pk)     | 700002296 |
| Power Supply                  | 700002188 |
| Power Supply for Cooler Stack | 700002357 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| 2777c Ribbon cable kit 50cm            | 700003757 |
| 2777 Ribbon cable kit 80cm             | 700003758 |
| Flex Band for 2777 and 2777c           | 700004643 |
| Ribbon cable Z-Axis                    | 700002197 |
| LC Valve to Aux1 (200mm)               | 700002189 |
| LC Valve to Aux1 (760mm)               | 700002190 |
| Power cable (PSU to Injector)          | 700002191 |
| Wash Station Cable, Interface2 on 2777 | 700002192 |
| Wash Station Cable for 2777c           | 700002487 |
| Contact Closure cable (Interface1)     | 700002193 |
| RS-232 cable (Serial1 to PC)           | 700002194 |
| Control Terminal to Serial3            | 700002195 |

## 2777 / 2777c Sample Manager

### Cables - continued

|                                                |           |
|------------------------------------------------|-----------|
| Printer Cable (Serial Interface)               | 700002196 |
| Mod Bus to Serial                              | 700002433 |
| Aux Power Connection                           | 700002431 |
| Power cable for 4VlvDrv Power Supply (octopus) | 700002301 |
| Mod Bus Cable Short                            | 700002434 |
| Mod Bus Cable Long                             | 700005769 |
| Aux Valve Cable                                | 700002189 |

### Syringe Kits and Syringes

|                                       |           |
|---------------------------------------|-----------|
| Needle Seal, Gauge 22 (10/pk)         | 700002208 |
| Needle Guide Fitting, Gauge 22        | 700002211 |
| Foil Cutter for Needles, Max gauge 22 | 700002663 |
| 10uL Syringe Kit, Gauge 22S           | 205000181 |
| 25uL Syringe Kit, Gauge 22S           | 205000182 |
| 100uL Syringe Kit, Gauge 22S          | 205000183 |
| 100uL Syringe Kit, Gauge 22           | 205000180 |
| 250uL Syringe Kit, Gauge 22           | 205000184 |
| 500uL Syringe Kit, Gauge 22           | 205000185 |
| 1000uL Syringe Kit, Gauge 22          | 205000186 |
| 2500uL Syringe Kit, Gauge 22          | 205000187 |
| 5000uL Syringe Kit, Gauge 22          | 205000188 |
| 25uL Syringe Kit Long Needle          | 205000749 |
| 25uL Syringe xType Kit, Gauge 22S     | 205000275 |
| 50uL Syringe xType Kit, Gauge 22S     | 700004640 |
| 100uL Syringe xType Kit, Gauge 22S    | 205000273 |
| 100uL Syringe xType Kit, Gauge 22     | 205000274 |
| 10uL Syringe, Gauge 22S               | 430000859 |
| 25uL Syringe, Gauge 22S               | 430000861 |
| 100uL Syringe, Gauge 22S              | 430000864 |
| 100uL Syringe, Gauge 22               | 430000863 |



## 2777 / 2777c Sample Manager

### Syringe Kits and Syringes - continued

|                                 |           |
|---------------------------------|-----------|
| 250uL Syringe, Gauge 22         | 430000865 |
| 500uL Syringe, Gauge 22         | 430000866 |
| 1000uL Syringe, Gauge 22        | 430000867 |
| 2500uL Syringe, Gauge 22        | 430000868 |
| 5000uL Syringe, Gauge 22        | 430000869 |
| 25ul Syringe xType, Gauge 22S   | 700002705 |
| 50uL Syringe xType, Gauge 22S   | 700004641 |
| 100uL Syringe xType, Gauge22S   | 700002706 |
| 100uL Syringe xType, Gauge 22   | 700002707 |
| 10uL Plunger (10/pk)            | 700002212 |
| 25uL Plunger (10/pk)            | 700002213 |
| 100uL Plunger (10/pk)           | 700002214 |
| 250uL Plunger (10/pk)           | 700002215 |
| 500uL Plunger (10/pk)           | 700002216 |
| 1000uL Plunger (1/pk)           | 700002217 |
| 2500uL Plunger (1/pk)           | 700002218 |
| 5000uL Plunger (1/pk)           | 700002219 |
| 25uL xType Plunger (3/pk)       | 700002941 |
| 50uL xType Plunger (3/pk)       | 700004642 |
| 100uL xType Plunger (3/pk)      | 700002942 |
| Syringe Checking Gauge          | 700002300 |
| combiPal GC 10uL Syringe (6/pk) | 6380366-S |

### Loops

|                                                 |           |
|-------------------------------------------------|-----------|
| Sample loop 500ul for Cheminert Injection valve | 430000850 |
| Sample loop 250ul for Cheminert Injection valve | 430000851 |
| Sample loop 100ul for Cheminert Injection valve | 430000852 |
| Sample loop 50ul for Cheminert Injection valve  | 430000853 |
| Sample loop 20ul for Cheminert Injection valve  | 430000854 |
| Sample loop 10ul for C2V Valve 0.25mm bore      | 700002504 |

## 2777 / 2777c Sample Manager

### Loops - continued

|                              |           |
|------------------------------|-----------|
| 1000uL Sample Loop, Valve WK | 430000843 |
| 500uL Sample Loop, Valve WK  | 430000844 |
| 250uL Sample Loop, Valve WK  | 430000845 |
| 200uL Sample Loop, Valve WK  | 430000846 |
| 100uL Sample Loop, Valve WK  | 430000847 |
| 50uL Sample Loop, Valve WK   | 430000848 |
| 20uL Sample Loop, Valve WK   | 430000849 |

### Valves

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| Universal Valve-Adapter                                           | 700004056 |
| Adptr. to mount C2 valve types on VlvDrv-DC6                      | 417000143 |
| Valco Valve, 4 Port, WK                                           | 417000147 |
| Valco Valve, 6 Port, WK                                           | 417000145 |
| Valco Valve 10 Port, WK                                           | 417000144 |
| 6-Port Chem. Inj. Valve 0.25mm bore                               | 417000146 |
| 6-port Chem. Inj. Valve 0.40mm bore                               | 417000148 |
| 6-port Chem. Inj. Valve 0.40mm bore, Peek                         | 417000149 |
| 8-port Selector valve with driver                                 | 205000236 |
| Rotor, 8 Port Selector Valve                                      | 700002447 |
| Single Valve Kit, Driver with Valve, 6 Port, WK Type Valve        | 725000182 |
| Replacement Two Position Valve Drive without Valve                | 700002502 |
| Replacement Multiposition Valve Drive without Valve (for 4Module) | 700002455 |
| Everflow Valve Pod                                                | 700004144 |
| Everflow Valve Mount                                              | 700004145 |
| Valve Drive Kit without valve (two position)                      | 205000259 |
| Aux Valve Drive                                                   | 725000462 |
| 2-Valve Serial Drive Module (multiposition)                       | 725000461 |

## 2777 / 2777c Sample Manager

### Vials - continued

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| 4 Valve Module (New Style)                                           | 205000235 |
| 4 Valve Option Tubing Kit                                            | 700002352 |
| MUX CV Kit (4 Check Valves with tubing)                              | 205000189 |
| Rotor, Valco Valve WK                                                | 700002210 |
| Stator for 6-Port Cheminert Injection Valve 0.25mm bore              | 700002294 |
| Rotor for 6-Port Cheminert Injection Valve 0.25mm bore               | 700002293 |
| Stator for 6-Port Cheminert Injection Valve 0.40mm bore              | 700002295 |
| Rotor for 6-Port Cheminert Injection Valve 0.40mm bore               | 700002292 |
| Rotor for Valco Valve 10 Port, type DC10WK 2 Position                | 700002297 |
| Rotor for Valve DCI4WK5/1 4 Port 2 Position with internal loop 0.5ul | 700002298 |

### Preperative

|                                      |           |
|--------------------------------------|-----------|
| 5000uL Syringe Kit, Prep, Gauge 19   | 205000240 |
| 5000uL Syringe, Prep, Gauge 19       | 700002495 |
| 1000uL Sample Loop, Prep Valve       | 700002462 |
| 2000uL Sample Loop, Prep Valve       | 700002448 |
| 5000uL Sample Loop, Prep valve       | 700002449 |
| Kit Prep Injection Valve             | 205000239 |
| Prep Injector Valve Rotor            | 700002439 |
| Prep Injector Valve Stator           | 700002889 |
| Needle Seals, Gauge 19, Prep (10/pk) | 700002436 |
| Needle Guide Fitting, Gauge 19, Prep | 700002435 |

## 2777 / 2777c Sample Manager

### Preperative - continued

|                                            |           |
|--------------------------------------------|-----------|
| Prep Fast Wash Station for Gauge 19 Needle | 700002437 |
| Glass Tube for Fast Wash Station, Gauge 19 | 700002483 |
| 4-Injector Valve Module, Prep              | 205000241 |
| 5-Way PEEK Splitter Manifold               | 700002351 |

### Trays & Stacks

|                                                               |           |
|---------------------------------------------------------------|-----------|
| 2.0mL Vial Tray (6/pk)                                        | 415000408 |
| Tray Holder, 2 Microtiter Plates                              | 205000245 |
| Tray Holder, 4 Microtiter Plates                              | 205000247 |
| Tray Holder Set, with Tray for 32Vials 10/20mL or 21Vials 2mL | 415000409 |
| Tray for 96 2mL vials                                         | 700004855 |
| Stack 6 DW                                                    | 415000411 |
| Stack 12 MT                                                   | 415000410 |
| Cooler Stack 6 DW (Peltier)                                   | 725000177 |
| Cooler Stack 12 MT (Peltier)                                  | 725000178 |
| Stack Drawer Magnet                                           | 700002241 |
| Nylon Screws for Cooler Stack (20/pk)                         | 700002750 |

### Wash Station

|                                        |           |
|----------------------------------------|-----------|
| Kit Fast Wash Station for 2777         | 700004709 |
| Kit Fast Wash Station for 2777c        | 700004766 |
| Wash Station Assy W/O Holder and cable | 700002220 |
| Wash Station Valve Assy                | 700002221 |
| Glass Tube, Gauge 22                   | 700002222 |
| Viewing Glass (2/pk)                   | 700002223 |

## 2777 / 2777c Sample Manager

### Wash Station - continued

|                                          |           |
|------------------------------------------|-----------|
| O-Ring Perfluor White (4/pk)             | 700002224 |
| Wash Station Tube (No Bottle Fitting)    | 700002228 |
| Wash Station Tube (Inc. Bottle Fitting)  | 700002225 |
| 500mL Wash Solvent Bottle                | 700002229 |
| Wash Station Waste Tube                  | 700002443 |
| Wash Station Valve Mount Bracket         | 205000261 |
| 3 Solvent Reservoir Kit                  | 205000246 |
| Kit Option, 2777/2777c PAL DLW           | 205000826 |
| 2777 SM Dynamic Load & Wash Upgrade Kit  | 205000818 |
| 2777C SM Dynamic Load & Wash Upgrade Kit | 205000853 |
| PAL DLW-2 Holding Loop                   | 700005895 |

### Diluter

|                                            |           |
|--------------------------------------------|-----------|
| Dilutor Kit                                | 205000190 |
| Dilutor Kit without Sideport Syringe Kit   | 205000258 |
| 20uL Dilutor Sideport Syringe Kit          | 205000191 |
| 80uL Dilutor Sideport Syringe Kit          | 205000242 |
| 800uL Dilutor Sideport Syringe Kit         | 205000243 |
| 80uL Sideport Syringe W/O Needle           | 700002230 |
| 20uL Sideport Syringe W/O Needle           | 700002231 |
| 800uL Sideport Syringe W/O Needle          | 700002450 |
| 20uL Sideport Syringe Plunger (10/pk)      | 700002237 |
| 80uL Sideport Syringe Plunger (10/pk)      | 700002236 |
| 800uL Sideport Syringe Plunger (1/pk)      | 700002452 |
| 20uL Sideport Syringe Needle (3/pk)        | 700002239 |
| 80uL Sideport Syringe Needle (3/pk)        | 700002238 |
| 800uL Sideport Syringe Needle (3/pk)       | 700002451 |
| Perflour O Ring for Sideport Syringe 20uL  | 700002507 |
| Perflour O Ring for Sideport Syringe 80uL  | 700002508 |
| Perflour O Ring for Sideport Syringe 800uL | 700002509 |

## 2777 / 2777c Sample Manager

### Diluter - continued

|                                                             |           |
|-------------------------------------------------------------|-----------|
| 1mL Dilutor Syringe                                         | 430000855 |
| 2.5mL Dilutor Syringe                                       | 430000856 |
| 5mL Dilutor Syringe                                         | 430000857 |
| 10mL Dilutor Syringe                                        | 430000858 |
| 1mL Dilution Syringe Plunger                                | 700002232 |
| 2.5mL Dilution Syringe Plunger                              | 700002233 |
| 5mL Dilution Syringe Plunger                                | 700002234 |
| 10mL Dilution Syringe Plunger                               | 700002235 |
| Dilutor Solvent Bottle                                      | 700002353 |
| FEP Dilutor Solvent Line W/ Peek Filter (Bottle to Dilutor) | 700002354 |
| Dilutor Transfer Tubing Kit (Dilutor to Sideport Syringe)   | 700002355 |

### Maldi Spotter

|                             |           |
|-----------------------------|-----------|
| Maldi Spotting Tips, (3/pk) | 700003518 |
|-----------------------------|-----------|

### Open Architecture

|                                                        |           |
|--------------------------------------------------------|-----------|
| High Torque Valve Driver (without valve)               | 205000570 |
| Open Architecture PM Kit                               | 201000198 |
| Tubing, 2777/2777c to Column Manager                   | 430002015 |
| Stabilizer Tubing, 2777/2777c to Column Heater/Chiller | 205000585 |
| KIT, 5000uL SYRINGE, 19 GAUGE, 65mm NEEDLE             | 205000535 |
| KIT, OA CHC STABILIZER                                 | 205000585 |
| Kit, SyringeX 25uL, Long Needle                        | 205000749 |
| TUBE ASSY, SYSTEM OUTLET, SDS, .010 ID                 | 430001486 |
| ASSY, TUBING, T1, OA SYSTEM                            | 430002517 |
| ASSY, TUBING, T4 OA SYSTEM                             | 430002519 |
| ASSY, TUBING, T5, T10, OA SYSTEM                       | 430002520 |

## 2777 / 2777c Sample Manager

### Open Architecture - continued

|                                                        |           |
|--------------------------------------------------------|-----------|
| ASSY, TUBING, T6, OA SYSTEM                            | 430002521 |
| ASSY, TUBING, T7, OA SYSTEM                            | 430002522 |
| ASSY, TUBING, T3, OA SYSTEM                            | 430002578 |
| KIT, VALVE MOUNTING BRACKET                            | 700005336 |
| COLUMN STABILIZER, SPE SYSTEM                          | 700005337 |
| 5uL Sample Loop, Ever Flow Valve                       | 430001311 |
| 10uL Sample Loop, Ever Flow Valve                      | 430001326 |
| Waste Check Valve with Tubing (1/pk)                   | 700004057 |
| Open Architecture Ever Flow Valve Pod                  | 700004144 |
| Screw for Ever Flow Valve Pod (M2.5x8 SKT HD CAP, SST) | 410001365 |
| Ever Flow valve Adapter Kit (without Valve/Pod)        | 700004145 |
| O-Ring for Valve Driver (13.3x2.4 FPM)                 | 700004147 |

### AquaAnalysis

|                                                    |           |
|----------------------------------------------------|-----------|
| 5000uL Syringe Kit, Prep, Gauge 19, 65mm Needle    | 205000535 |
| 5000uL Syringe only, Prep, Gauge 19, 65mm Needle   | 700003901 |
| AquaAnalysis System Start up Solution              | 700003870 |
| Tray Aqua Analysis Vials, 18 positions             | 405006897 |
| 22mL Vials with Preslit Septa (100/pkg)            | 186004108 |
| Elbow, Waste, barbed, 1/4" ID                      | 700003892 |
| Tee, Waste, barbed, 1/4x1/4x1/4" ID                | 700003907 |
| Tee, Waste, barbed, 1/4x3/8x3/8" ID                | 700003906 |
| Tubing, Waste, Tygon 3/8" ID                       | 700003894 |
| Tubing, Waste, Tygon 1/4" ID                       | 700001796 |
| 515, Waste, Drain                                  | 700003905 |
| Tubing, V2 Port3 to V2 Port4, V3 Port6 to V3 Port1 | 430001936 |

## 2777 / 2777c Sample Manager

### AquaAnalysis - continued

|                                                                             |           |
|-----------------------------------------------------------------------------|-----------|
| Tubing, V1 Port4 to V4 Port1, V2 Port1 to V3 Port3,<br>V1 Port3 to V3 Port4 | 430001937 |
| Tubing, V1 Port6 to Waste, V3 Port2 to Waste, V4<br>Port6 to Waste          | 430001938 |
| Tubing, V4 Port4 to V4 Port9, V4 to and from SPE<br>Column                  | 430001945 |
| Tubing, V3 Port5 to Tee                                                     | 430001946 |
| Tubing, V4 Port3 to Analytical Column                                       | 430001947 |
| Tubing, Analytical Column to MS                                             | 430001948 |
| Tubing, 1525 to V2 Port2                                                    | 430001950 |
| Tubing, 515A to V2 Port6                                                    | 430001951 |
| Tubing, 515B to Tee                                                         | 430001952 |
| Tubing, 515C to Tee                                                         | 430001953 |
| Tubing, 1525u to V4 Port8                                                   | 430001954 |

### PCBs

|                                           |           |
|-------------------------------------------|-----------|
| KIT, XT UPGRADE, 2777 HTS PAL SYS.        | 205000831 |
| KIT, XT UPGRADE, 2777/2777C HTC PAL SYS.  | 205000832 |
| KIT, XT UPGRADE, 2777/2777C COMBI PAL SYS | 205000833 |
| PCB, 2777/2777C Ctrl Board for PAL-xt     | 700005474 |

## Waters Fraction Collector

### Service Spares

|                             |           |
|-----------------------------|-----------|
| I/O Terminal                | WAT037088 |
| High Flow Dropper Assy      | WAT037097 |
| Event In/Out Cable Assy     | WAT020321 |
| Analog Signal Cable         | WAT048918 |
| Contact Closure Relay Cable | WAT062031 |
| LCD Display                 | WAT037056 |



## Waters Fraction Collectors 2 & 3

### Electronic Components

|                       |           |
|-----------------------|-----------|
| CPU PCB               | 700000318 |
| Display PCB           | 700000319 |
| Power Supply          | 700000323 |
| LCD                   | 700000324 |
| Sensor PCB X-Axis     | 700000320 |
| Sensor PCB Y-Axis     | 700000321 |
| AC Socket             | 700000322 |
| Cable, CPU to Display | 700000317 |

### Standard Components

|                                               |           |
|-----------------------------------------------|-----------|
| Dropper Assembly                              | 700000311 |
| Diverter Valve (low residual)                 | 725000143 |
| Diverter Valve Standard                       | 725000142 |
| LC Connections Kit                            | 700002476 |
| Extension Nozzle                              | 725000151 |
| Standard Test Tube Rack (supplied w/WFC2)     | 725000152 |
| Tube Supports for 12 mm OD Tubes (Pack of 30) | 725000153 |
| Internal Support Plate                        | 725000154 |
| Eppendorf Tube rack                           | 725000145 |
| 17 mm OD vial rack                            | 725000146 |
| 28mm OD vial rack                             | 725000147 |
| Prep funnel rack                              | 725000148 |
| Prep funnel                                   | 725000149 |
| Micro Plate rack                              | 725000150 |
| Bench Top Rack -used w/prep funnel rack       | 289000440 |
| Tygon Tubing (used w/prep funnel rack)        | WAT037047 |
| Teflon Tubing (used w/prep-funnel rack)       | WAT037090 |
| Carousel Rack                                 | 725000144 |
| Standard Rack WFC3                            | 725000146 |

## **Waters Fraction Collectors 2 & 3**

### **Miscellaneous**

|                                |             |
|--------------------------------|-------------|
| EPROM (WFC2 only)              | 700000327   |
| EPROM (WFC3 only)              | 700002819   |
| I/O connector                  | 700000328   |
| Timing Belt Y-Axis (WFC2 ONLY) | 700000325   |
| Timing Belt X-Axis             | 700000326   |
| RS232 Cable                    | 441000308   |
| Power Switch                   | 700000312   |
| Dust Cover (WFC2 ONLY)         | 700000313   |
| Drain                          | 700000314   |
| Knob Height Adjust             | 700000315   |
| Operator's Guide               | 71500011202 |
| Left Arm                       | 700000142   |
| CA2-CC1 connector              | 700000143   |
| Left Arm Cover                 | 700000153   |
| Right Arm Cover                | 700000156   |
| Right Arm                      | 700000159   |

### **Waters Fraction Collector 3 ONLY**

|                                      |           |
|--------------------------------------|-----------|
| 4-Micro titer Plate Rack             | 725000110 |
| Fuse 1.6A US TD 5/pk                 | WAT079713 |
| Fuse 1.6A EEC TD 5/pk                | WAT079716 |
| Upgrade Kit, WFC III w/Empower v1.10 | 205000823 |

## **AGILENT LC SYSTEMS - Standard Autosampler**

|                          |             |
|--------------------------|-------------|
| Gripper Arm              | G1313-60010 |
| Transport Assembly       | G1329-60009 |
| Fan                      | 3160-1017   |
| Sampling Unit**          | G1329-60008 |
| Injection Valve Assembly | 0101-0921   |

**AGILENT LC SYSTEMS - Standard Autosampler - cont.**

|                                                |             |
|------------------------------------------------|-------------|
| Leak Sensor                                    | 5061-3356   |
| Power Supply                                   | 0950-2528   |
| Ribbon Cable Transport Assembly                | G1313-81601 |
| Ribbon Cable Sampling Unit                     | G1313-81602 |
| 2 Position/6 Port Injection Valve              | 0101-0921   |
| Belt gear for metering unit and needle arm     | 1500-0697   |
| Stepper motor for metering unit and needle arm | 5062-8590   |

**AGILENT LC SYSTEMS - Well Plate Autosampler**

|                                 |             |
|---------------------------------|-------------|
| Exhaust Fan                     | 3160-4097   |
| Main Fan                        | 3160-1017   |
| Sampling Unit**                 | G1367-60008 |
| Injection Valve Assembly        | 0101-0921   |
| Leak Sensor                     | 5061-3356   |
| Power Supply                    | 0950-2528   |
| Main Board ASM                  | G1367-69520 |
| Ribbon Cable Transport Assembly | G1313-81601 |
| Ribbon Cable Sampling Unit      | G1313-81602 |

**AGILENT LC SYSTEMS - Binary Pump**

|                                   |             |
|-----------------------------------|-------------|
| Damper                            | 79835-60005 |
| Fan                               | 3160-1017   |
| Pump Drive (2)                    | G1311-69001 |
| Leak Sensor                       | 5061-3356   |
| Power Supply                      | 0950-2528   |
| Z Panel                           | 5022-2112   |
| Cable AIV to Main Board           | G1311-61601 |
| Cable AIV to Solvent Select Valve | G1312-61602 |
| Foam Kit (Top + Bottom)           | G1312-68702 |
| Solvent Select Valve              | G1312-60000 |
| Screw for Solvent Select Valve    | 5022-2112   |

**AGILENT LC SYSTEMS - Quaternary Pump**

|                              |             |
|------------------------------|-------------|
| Damper                       | 79835-60005 |
| Fan                          | 3160-1016   |
| Pump Drive                   | G1311-69001 |
| Leak Sensor                  | 5061-3356   |
| Power Supply                 | 0950-2528   |
| Z Panel                      | 5022-2112   |
| Multi Channel Gradient Valve | G1311-67701 |
| MCGV Cable**                 | G1311-61600 |
| AIV Cable**                  | G1311-61601 |

**AGILENT LC SYSTEMS - Column Heater**

|                               |             |
|-------------------------------|-------------|
| Column Switching Valve        | G1316-68708 |
| Fans (2)                      | 3160-1017   |
| Left Heat Exchanger Assembly  | G1316-60007 |
| Right Heat Exchanger Assembly | G1316-60006 |
| Leak Sensor                   | 5061-3356   |
| Power Supply                  | 0950-2528   |
| Foam Kit – Top and Bottom     | G1316-68702 |

**AGILENT LC SYSTEMS - VWD**

|                                               |             |
|-----------------------------------------------|-------------|
| Optical Unit                                  | G1314-69060 |
| Power Supply                                  | 0950-2528   |
| Fan                                           | G1314-65004 |
| Leak Sensor                                   | 5061-3356   |
| Standard Deuterium Lamp                       | G1314-60100 |
| Foam Kit with Top and Bottom                  | G1314-65019 |
| Damper kit (with bumpers for optical and fan) | G1314-65021 |
| Guides for interface board                    | 5041-8395   |

**AGILENT LC SYSTEMS - DAD/MWD**

|                                                                    |             |
|--------------------------------------------------------------------|-------------|
| Main Board for G1315A/B DAD                                        | G1315-69540 |
| Main Board for G1365A/B MWD                                        | G1365-69540 |
| Power Supply                                                       | 0950-2528   |
| *Fan Assembly – parts include *                                    | 3160-1016   |
| Heater Assy (G1315/65B only)                                       | G1315-60000 |
| Temperature Assy (G1315/65B only)                                  | G1315-60003 |
| Sensor Holder (G1315/65B only)                                     | G1315-22300 |
| Tungsten Lamp                                                      | G1103-60001 |
| Leak Sensor                                                        | 5061-3356   |
| Standard flow cell                                                 | G1315-60012 |
| High Pressure Flow Cell                                            | G1315-60015 |
| Coupling Lens                                                      | G1103-68001 |
| Holmium Oxide Filter Motor Assy (includes filter lever and spring) | G1315-68700 |
| Holmium Oxide lever                                                | G1315-45001 |
| Holmium Oxide Spring                                               | 1460-1510   |
| Holmium Oxide Filter                                               | 79880-22711 |
| Source Lens with Filter lever G1315-45001                          | G1315-65201 |
| Lens achromatic                                                    | 1000-0486   |
| Compression Spring                                                 | 1460-2255   |
| Spectro window                                                     | 79880-28111 |
| Flow cell door                                                     | G1315-68707 |
| Cable – control board to optics board                              | G1315-61604 |
| Foam Kit – base and top both                                       | G1315-68722 |

**AGILENT LC SYSTEMS - Fluorescence Detector**

|                     |             |
|---------------------|-------------|
| Detector Main Board | G1321-69500 |
| Power Supply        | 0950-2528   |
| Fan                 | 3160-1017   |
| Optical Unit        | G1321-69002 |
| Xenon Flash Lamp    | 2140-0600   |
| Optical Filter      | 1000-1000   |

### **AGILENT LC SYSTEMS - Fluorescence Detector - continued**

|                               |             |
|-------------------------------|-------------|
| Leak Sensor                   | 5061-3356   |
| Photomultiplier Tube          | 1970-0201   |
| Foam Kit with Top and Bottom  | G1321-68702 |
| 3 Foam Pads for optical -2 pk | G1321-68700 |
| Guides for interface board    | 5041-8395   |

### **AGILENT LC SYSTEMS - RI Detector**

|                                                                                                                                                                                            |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Optical Unit                                                                                                                                                                               | G1362-69001 |
| Purge Valve                                                                                                                                                                                | G1362-27700 |
| Recycle Valve                                                                                                                                                                              | G1362-27701 |
| Tubing Kit for RI – Includes 300mm recycle to recycle, 200mm recycle to waste port, 120mm purge valve to waste port, 270mm purge valve to sample cell, 170mm purge valve to reference cell | G1362-68709 |
| Power Supply for power and status lights                                                                                                                                                   | 0950-2528   |
| Fan                                                                                                                                                                                        | 3160-1017   |
| Leak sensor                                                                                                                                                                                | 5061-3356   |
| Foam kit, includes top and bottom                                                                                                                                                          | G1362-68702 |
| Guides for interface board                                                                                                                                                                 | 5041-8395   |
| Leak funnel holder                                                                                                                                                                         | 5041-8389   |
| Leak tubing (120mm)                                                                                                                                                                        | 0890-1711   |

### **AGILENT LC SYSTEMS - Standard Degasser**

|                                           |             |
|-------------------------------------------|-------------|
| Control Assembly + Power Supply           | G1322-66500 |
| Sensor Assembly included with G1322-66500 | No p/n      |
| Fuse 500ma                                | 2110-0458   |

**AGILENT LC SYSTEMS - Standard Degasser -  
continued**

|                |             |
|----------------|-------------|
| Board Clip     | G1322-43100 |
| Solenoid valve | G1322-60003 |
| Vacuum Tubes   | G1322-60002 |
| Vacuum Pump    | G1322-60000 |
| Leak Tray      | G1322-44100 |

**AGILENT LC SYSTEMS - Micro Degasser**

|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Control Assembly + Power Supply (includes Sensor Assembly) Supply | G1379-66500 |
| Fuse 500ma                                                        | 2110-0458   |
| Solenoid valve                                                    | G1322-60003 |
| Vacuum Chamber (2x2 Chambers)                                     | G1379-60011 |

**AGILENT LC SYSTEMS - PM KITS**

**Binary Pump with Standard Autosampler**

|                            |             |
|----------------------------|-------------|
| G1312A Binary Pump Kit     | G1312-68730 |
| Iso/Quat/Bin Seal Wash Kit | G1310-68731 |
| Autosampler PM Kit         | G1313-68730 |

**Binary Pump with Well Plate Autosampler**

|                            |             |
|----------------------------|-------------|
| G1312A Binary Pump Kit     | G1312-68730 |
| Iso/Quat/Bin Seal Wash Kit | G1310-68731 |
| WP Autosampler PM Kit      | G1367-68730 |

**Quaternary Pump with Standard Autosampler**

|                             |             |
|-----------------------------|-------------|
| G1310/11A Iso/Quat Pump Kit | G1310-68730 |
| Iso/Quat/Bin Seal Wash Kit  | G1310-68731 |
| Autosampler PM Kit          | G1313-68730 |

## AGILENT LC SYSTEMS - PM KITS

### Quaternary Pump with Well Plate Autosampler

|                             |             |
|-----------------------------|-------------|
| G1310/11A Iso/Quat Pump Kit | G1310-68730 |
| Iso/Quat/Bin Seal Wash Kit  | G1310-68731 |
| WP Autosampler PM Kit       | G1367-68730 |

### 1200SL

|                                         |             |
|-----------------------------------------|-------------|
| Ptfe Frits for Purge valve (5pk)        | 01018-22707 |
| Seal Cap Assembly                       | 5067-4728   |
| Outlet caps for Purge valve (4pk)       | 5062-2485   |
| Outlet valve SS Sieve - Binary only     | 5063-6505   |
| Pump Plunger Seals Reverse Phase (2pk)  | 5063-6589   |
| Iso/Quat/Bin Seal Wash Kit              | G1310-68731 |
| Needle assy SL WP AS (New)              | G1367-87202 |
| Seat assembly, PEEK, AS SL              | G1367-87105 |
| Seat capillary 0.17 x 100 mm, 0.8 mm od | G1367-87302 |
| Peristaltic pump                        | 5065-4445   |
| Rotor Seal peek                         | 0101-1416   |

### Detectors

|                                         |             |
|-----------------------------------------|-------------|
| Deuter. Long Life Lamp DAD MWD No Timer | 5181-1530   |
| Deuterium Long Life Lamp for DAD MWD    | 2140-0813   |
| Standard VWD Deuterium Lamp             | G1314-60100 |
| Lamp for 1100/1200 FLR                  | 2140-0600   |
| Tungsten Lamp for G1315A,8453A          | G1103-60001 |
| Lamp for 1037/47 RI                     | 01037-60002 |

## AGILENT GC SYSTEMS - Parts

|                                 |           |
|---------------------------------|-----------|
| Graphite ferrule, 0.5 ID        | 5080-8853 |
| Graphite ferrule, 0.8 ID, 10-pk | 500-2118  |
| Graphite ferrule, no hole       | 5181-3308 |
| Universal column nut            | 5181-8830 |



**AGILENT GC SYSTEMS - Parts - continued**

|                                          |             |
|------------------------------------------|-------------|
| Nut, 1/8 in brass, 10-pk                 | 5180-4103   |
| Ferrule, 1/8 in, Vespel, 10-pk           | 0100-1332   |
| Nut, 1/4 in brass, 10-pk                 | 5180-4105   |
| Ferrule, 1/4 in, Vespel, 10-pk           | 5080-8774   |
| Blanking nut                             | 5020-8294   |
| Septa, 11 mm long-life inlet             | 5183-4761   |
| Packed port adaptor liner, 530 um column | 19244-80540 |
| TCD capillary column adaptor             | G1532-80540 |
| Micro ECD make-up gas adaptor            | G2397-80520 |
| FID cleaning kit                         | 9301-0985   |
| Split, single taper, low pressure drop   | 5183-4647   |
| Viton O-ring                             | 5188-5365   |
| Washer, 12-pk                            | 5061-5869   |
| Disposable glass liner, 170 ul           | 5080-8732   |
| O-ring, non-stick fluorocarbon           | 5080-8898   |
| Transfer line needle, 0.5 mm OD          | 301-015-HSP |

**AGILENT GC SYSTEMS - PM Kits**

|                                                                                                                                   |           |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------|
| Base PM kit with service                                                                                                          | 176002093 |
| Order 176002093 for all PM's. Order additional option PM kits below per configuration. PM kits all work for 6890, 7890, and 6850. |           |
| GC S/SL inlet option PM kit                                                                                                       | 176002094 |
| GC PP inlet option PM kit                                                                                                         | 176002095 |
| GC HS option PM kit                                                                                                               | 176002096 |
| GC ALS option PM kit                                                                                                              | 176002097 |

**SPECIALTY SYSTEMS - CapLC**

|                            |           |
|----------------------------|-----------|
| <b>Autosampler</b>         |           |
| Needle Assy, 2.4 ul (Std)) | 700000621 |
| Needle Assy 5.4 ul         | 700000634 |
| Air Needle                 | 700000641 |

## SPECIALTY SYSTEMS - CapLC

### Autosampler - continued

|                                                      |           |
|------------------------------------------------------|-----------|
| Syringe Valve                                        | 700000663 |
| Syringe, 25 ul (standard)                            | 700000668 |
| Syringe, 100 ul                                      | 700000860 |
| Syringe, 250ul                                       | 700000861 |
| Plunger Tip, 25 ul 10qty                             | 700000618 |
| Plunger Tip, 100 ul 10 qty                           | 700005791 |
| Plunger Tip, 250ul 10 qty                            | 700005793 |
| Leur Lok for Syringe Valve (for use w/100ul + 250ul) | 700000664 |
| Microliter Pick up Vial 4 qty                        | 700001068 |
| Needlewash Insert Vial                               | 700000612 |
| Wash Solvent Assembly                                | 700001659 |
| Dispensor Assy (Syringe Drive)                       | 700000671 |
| Needle Unit Assy                                     | 700000654 |
| Tray Drive Assy                                      | 700000656 |
| Buffer Tubing, 50ul PEEK                             | 700001026 |
| Buffer Tubing, 500 ul                                | 700000859 |
| Tubing, Syringe Valve to Waste                       | 700000636 |
| Tubing, Syringe Vlv to Wash                          | 700000637 |
| Flex cable w/motor & sensors                         | 700002382 |
| Rear panel fan, ALS                                  | 700003596 |
| Optical Sensor                                       | 700000666 |
| Vial Stripper                                        | 700000649 |
| Stepper motor, 2.2 amp                               | 700000651 |
| Stepper motor, 1.05 amp                              | 700000652 |
| Autosampler Feet, 6qty                               | 700000653 |
| Bridge Rectifier                                     | 700000667 |
| 48 Vial Adaptor                                      | 700000855 |
| CapLC Sample Tray Assy                               | 700000675 |

## SPECIALTY SYSTEMS - CapLC

### Autosampler - continued

|                                              |           |
|----------------------------------------------|-----------|
| Micro Injection Valve Assy (Inc. drive Assy) | 700000672 |
| Peltier Ass'y                                | 700001637 |
| Cable, Bridge Rectifier to CPU               | 700002398 |
| Flex Cablewith Needle Motor and Sensors      | 700002382 |
| Ringcore Transformer                         | 700002466 |
| Optical Sensor                               | 700000666 |
| Rear panel fan                               | 700003596 |

### Autosampler drive belts

|                                          |           |
|------------------------------------------|-----------|
| Needle unit, horizontal drive belt       | 700002522 |
| Sample Needle drive belt                 | 700000662 |
| Needle horizontal motor belt             | 700000658 |
| Needle vertical motor/syringe valve belt | 700000660 |
| Syringe drive spindle motor belt         | 700000661 |

### Tubing, Fittings & Filters

|                                          |           |
|------------------------------------------|-----------|
| Flowcell Fittings, qty 4                 | 700001658 |
| Frit Filter, qty 10                      | 700001660 |
| Tubing, Reservoir to Manifold            | 700001441 |
| Tubing, .062 X .0025 X 5 Ft, PEEK        | 700001008 |
| Tubing, .062 X .005 X 5 Ft, Peek         | WAT022995 |
| Valve Fittings, Qty 5                    | 700000987 |
| PEEK Comp. Screw/Ferrulle Qty 2 (Column) | 700000989 |
| Ferrulle Parker Hannifin,qty 2           | 700001607 |
| Vent Vlv Pin Plug, Qty 2                 | 700000988 |
| Teflon Sleeve, Qty 5                     | 700000990 |
| Pump Outlet Filter Fitting, Qty5         | 700000993 |

## SPECIALTY SYSTEMS - CapLC

### Tubing, Fittings & Filters - continued

|                                                          |            |
|----------------------------------------------------------|------------|
| Tubing, Polyethylene, 5/16 X 3/16, 20" (Drip Tray Waste) | 700000550  |
| Tubing SSV to Solvent A2                                 | 700000552  |
| Tubing, A/C Tray manifold to Vent Valve                  | 430000478  |
| Tubing, B Tray manifold to Vent Valve                    | 430000479  |
| solvent inlet Filter, Qty 3                              | 700001636  |
| CapLC 0.5 Micron in-line Filter                          | 700001322  |
| 0.5 Micron Filter Insert                                 | 700000994  |
| Waters In-line Filter Assy                               | WAT035190  |
| Waters Inline Filter Insert                              | WAT088084  |
| Vent ValveWaste Tubing, 6ft                              | 700001071  |
| PEEK Comp. Screw & Ferrule w/locking                     | 700000991  |
| Comp Screw for Solvent Select Valve                      | WAT271024  |
| Spring Compressor                                        | WAT271443  |
| Valco Pin Plugs, Long 4qty                               | 700002328  |
| Reservoir to manifold Tubing and Fittings                | 700001441  |
| Stainless Steel Cross                                    | 700001484  |
| Tube Fused Silica 375X25 1M                              | 6028622-S1 |
| Tube Fused Silica 375x25 3M                              | 6028622-S3 |

### Sample Loops

|                         |           |
|-------------------------|-----------|
| 5 ul, Fused Silica      | 700000676 |
| 10 ul, Fused Silica     | 700000677 |
| 5 ul, Stainless Steel   | 700000683 |
| 20 ul, Stainless Steel  | 700000680 |
| 100 ul, Stainless Steel | 700000685 |
| 100 ul, PEEK            | 700000684 |
| 200 ul, Stainless Steel | 700000681 |
| 500 ul, Stainless Steel | 700000682 |
| 2ul Stainless Steel     | 700001915 |

## SPECIALTY SYSTEMS - CapLC

### Sample Loops - continued

|                       |           |
|-----------------------|-----------|
| 10ul Stainless Steel  | 700001916 |
| 50ul Stainless Steel  | 700001917 |
| 250ul Stainless Steel | 700001918 |

### Valve and Rotors

|                                                       |           |
|-------------------------------------------------------|-----------|
| Rotor, Pump Tray Valve                                | 700000604 |
| Rotor, Delrin, Pump Tray Valve (aqueous Solvent only) | 700001817 |
| Pump Tray Switching Valve                             | 700000512 |
| Rotor, Inject, 6 port SSV                             | 700000603 |
| Rotor, 6 port Vent Valve                              | 700000602 |
| Stator, Inject, 6 port SSV, 6 Port Vent Valve         | 700001919 |
| Valve, Inject, 6 port Vent, 6 port SSV                | 700002047 |
| Inject Valve and Actuator Assembly                    | 700000672 |
| 6 port SSV and Actuator Assembly                      | 700000854 |
| 6 port Vent Valve and Actuator Assembly               | 700000572 |
| Rotor, 10 port SSV                                    | 700002050 |
| Stator, 10 port SSV                                   | 700002052 |
| Valve, 10 port SSV                                    | 700002049 |
| 10 port SSV and Actuator Assembly                     | 417000135 |
| Rotor, 10 port Vent Valve                             | 700001230 |
| Stator, 10 port Vent Valve                            | 700002053 |
| Cable, 10 port Vent, Actuator to Motor                | 700001611 |
| Cable, 10 port Vent, Actuator to CPU                  | 700001612 |
| 10 port Vent Valve and Actuator Assy                  | 700001652 |
| Rotor, Manual Inject Valve                            | 700002051 |
| Valve, Spare, Manual Inject                           | 700002048 |

## SPECIALTY SYSTEMS - CapLC

### CapLC Selector Valve Assembly

|                              |           |
|------------------------------|-----------|
| Rotor                        | 700002050 |
| Stator                       | 700002052 |
| Valve                        | 700002049 |
| Cable, RS-232, 10 ft         | 700002045 |
| Null Modem Adaptor           | 336000109 |
| Power Supply, Selector Valve | 700002046 |
| Selector Valve Assembly      | 205000157 |

### Pneumatic Components

|                                  |            |
|----------------------------------|------------|
| 3 port Manifold                  | 700000541  |
| Quick Release Fitting            | 700000519  |
| Pressure Relief Valve            | 700000518  |
| Black plastic Tubing, 25 ft      | WAT077048  |
| Brass Adapter                    | WAT050337  |
| Air connector Brass              | WAT072488  |
| Pump Tray Air Manifold           | 700001297  |
| Fitting 6mm Tube to BSP          | 410000531  |
| Adapter M/F NPT to BSP           | 410000529  |
| Fitting TEE 6mm Tube to 6mm Tube | 700002499  |
| Regulator 5-100 PSIG             | 700002501  |
| 6mm Tube One 5M Roll             | 6060754-S5 |

### Pump Tray Components

|                          |           |
|--------------------------|-----------|
| CapLC Pump Tray Manifold | 700000504 |
| CapLC Pump Tray Assy     | 700000503 |
| Plunger Assy             | 700000507 |
| Pump Head                | 700000508 |
| Plunger Seal             | 700000509 |
| Face Seal                | 700000510 |
| 4port Switching Valve    | 700000512 |

## SPECIALTY SYSTEMS - CapLC

### Pump Tray Components - continued

|                                             |           |
|---------------------------------------------|-----------|
| Valve Sensor Board                          | 700000513 |
| Dual Optical Sensor Board (at Sensor wheel) | WAT270914 |
| Pump Tray Board                             | 700000998 |
| Solvent Bottle                              | 700000540 |

### Fuses

|                                                 |           |
|-------------------------------------------------|-----------|
| Power Entry Mod with Line Fuse                  | 700000485 |
| Line Fuse 4 qty                                 | 700001003 |
| 2.5 amp (220V) Autosampler Line Fuse 4 qty      | 700001004 |
| 5.0 amp (110 Volt) Auto sampler Line Fuse 4 qty | 700001005 |
| 2 amp CPU Fuse (F1, F3, F4) 2 qty               | 700001001 |
| 3 amp CPU Fuse (F2) 2 qty                       | 700001002 |
| Motor Driver Fuse                               | 700002166 |
| Autosampler Voltage Selector                    | 700000665 |

### Autosampler Rear Panel Cables

|                                |            |
|--------------------------------|------------|
| CapLC RS-232 Cable, Null Modem | 700000483  |
| Cable/A/S Motors A/S to Pump   | 700001024  |
| Stream select Cable            | 3887131BC1 |

### Printed Circuit Boards

|                                   |           |
|-----------------------------------|-----------|
| Main Power Supply                 | 700000524 |
| CapLC Interconnect Board          | 700000490 |
| CapLC Main CPU PCB                | 700000488 |
| Screwdriver, Slotted, Pocket-Clip | 700001824 |
| CapLC Motor Driver PCB            | 700000489 |
| CapLC Pump Vlv Sensor Bd          | 700000513 |
| CapLC Pump Tray PCB               | 700000998 |
| CapLC Autosampler Dispenser PCB   | 700000626 |
| CapLC Autosampler Tray Diver PCB  | 700000625 |

## SPECIALTY SYSTEMS - CapLC

### Printed Circuit Boards - continued

|                                             |           |
|---------------------------------------------|-----------|
| CapLC Autosampler Valve PCB (Valve Control) | 700000628 |
| CapLC Autosampler RS-232 PCB                | 700000630 |
| CapLC Autosampler Backplane Board           | 700000631 |
| CapLC Autosampler CPU                       | 700001681 |
| CapLC Autosampler Needle Unit PCB           | 700000657 |
| CapLC Autosampler Peltier PCB               | 700001160 |
| Nat'l Instr GPIB Board & SW                 | 186000825 |
| HPIB PCI card                               | 289000764 |

### Cables

|                                      |           |
|--------------------------------------|-----------|
| Line Cord 110V                       | WAT097194 |
| IEEE 488 Cable, 2M                   | WAT200491 |
| IEEE 488 Cable, 1M                   | WAT087198 |
| Event Cable, 18 feet                 | 700001025 |
| AC Mod to Power Switch Cbl           | 700000492 |
| Motor Driver Power Cable             | 700000500 |
| Pump Valve Sensor                    | 700000514 |
| Pump Interconnect to Pump Tray Cable | 700000515 |
| Motor Driver to Pump Interconnect    | 441000272 |
| CPU to Pump Interconnect             | 700001054 |
| DC Harness                           | 441000269 |
| CPU to Motor Driver Board            | 441000270 |
| AC Harness                           | 441000268 |
| Column heater to Pump Interconnect   | 441000195 |

### CapLC XE only

|                                      |           |
|--------------------------------------|-----------|
| CapLC XE Pump PM Kit                 | 201000172 |
| CapLC XE pump Tray valve rebuild Kit | 700002545 |
| CapLC XE pump Tray valve             | 700002547 |
| Rheodyne compression Screw           | WAT007021 |



## SPECIALTY SYSTEMS - CapLC

### CapLC XE only - continued

|                            |             |
|----------------------------|-------------|
| Rheodyne Ferrule           | WAT007020   |
| CapLC XE pump Tray         | 700002546   |
| Operator's Guide, CapLC XE | 71500082604 |

### Miscellaneous

|                             |           |
|-----------------------------|-----------|
| Shipping box, Modular CapLC | 290000381 |
| Fan                         | WAS081212 |
| Solvent Bottle              | 700000540 |
| Fan Guard                   | WAS270830 |
| Battery, 3.0V (U23 on CPU)  | 320000100 |

### Kits

|                                         |           |
|-----------------------------------------|-----------|
| CapLC XE pump PM Kit                    | 201000172 |
| CapLC Pump PM Kit                       | 201000157 |
| CapLC Autosampler PM Kit                | 201000158 |
| Tubing Kit                              | 186000684 |
| Manual Injector Kit, CapLC Modular Pump | 205000175 |

### Tools

|                              |           |
|------------------------------|-----------|
| Pump Tray Test Cable         | 700001075 |
| Pump Tray Pin Plug 3 qty     | 700001246 |
| PEEK Tubing Cutter           | 700001012 |
| Capillary Tubing Cutter      | 605000101 |
| Autosampler Service Keyboard | 700001446 |
| Flangeless Nut Entender      | 700001016 |
| Pencil magnet                | 700001450 |
| Frit Ferrule Removal Tool    | 700001011 |
| ¼ inch slotted wrench        | 700001015 |
| ¼ inch slotted nut driver    | 700002335 |

## CBI 2690

### Electrical

|                     |           |
|---------------------|-----------|
| CBI Interface Board | WAT241350 |
|---------------------|-----------|

## LCMS SYSTEMS - New ZMD

### Valves

|                                |           |
|--------------------------------|-----------|
| LCZ/ZMD Valve, Solenoid N2, KV | 700000632 |
| LCZ/ZMD Valve, AVS Shut-off 20 | 700000479 |
| Pilot Valve 6060956            | 700000302 |

### Fans

|                               |           |
|-------------------------------|-----------|
| Assy, Fans Backplane, New ZMD | 700000935 |
| Kit, Fan Filter, New ZMD      | 700000936 |

### Electrical (Fuses, Feedthrus, etc.)

|                             |           |
|-----------------------------|-----------|
| Feedthru, RF Generator      | 700000884 |
| Plug, Mains Filter, New ZMD | 700000937 |
| Circuit Breaker, New ZMD    | 700000950 |
| Relay, Power Supply         | 700000965 |

### Cleaning Supplies

|                                     |           |
|-------------------------------------|-----------|
| Brush, Interdental Platform L       | 600000101 |
| LCZ/ZMD Lapping Film                | 700000571 |
| Paper, Emery, 1200 Grade, 12" x 10" | 600000104 |

### Miscellaneous

|                                    |           |
|------------------------------------|-----------|
| Kit, Solutions Test, API           | 700000889 |
| MS Chemical Kit                    | 700002157 |
| LCZ/ZMD Glass Eye Loupe            | 700000883 |
| Kit,2, Jubilee Hose Clamp, L       | 700000468 |
| LCZ/ZMD Rest, Fix Flow 0.3 Orifice | 700000476 |
| LCZ/ZMD Rest, Fix Flow 1.0 ORIF    | 700000477 |
| LCZ/ZMD Metric Allen Set           | 700000882 |

## LCMS SYSTEMS - New ZMD

### Kits

|                                  |           |
|----------------------------------|-----------|
| Kit, Spare Assy, ESI Probe PLC   | 700000336 |
| Kit, Spare Assy, APCI Probe PL   | 700000338 |
| Kit, Consum, ESI Probe, LCZ/ZMD  | 700000463 |
| Kit, Consum, APCI Probe, LCZ/ZMD | 700000464 |
| Kit, Union Diff DIA 4-6MM, LCZ   | 700000465 |
| Kit, Union, Nitrogen Fittings    | 700000466 |
| Source Assy Spares Kit           | 700000339 |

## LCMS SYSTEMS - Column Bypass Module

### Electrical

|                      |           |
|----------------------|-----------|
| CBM, Fuse Drawer, AC | WAT055426 |
|----------------------|-----------|

### Cables

|                        |           |
|------------------------|-----------|
| Event In/Out CableAssy | WAT020321 |
| Cable, Shielded Output | WAT057235 |

### Fluidics

|                                |           |
|--------------------------------|-----------|
| Assy Pre- Column Filter Insert | WAT088084 |
|--------------------------------|-----------|

### Rheodyne Parts

|                                 |           |
|---------------------------------|-----------|
| Rheo. Inj. 7725I                | WAT055840 |
| Rheo. Stator, 7730/7716         | WAT055455 |
| Syringe, 25 ul, Rheodyne        | WAT033381 |
| Rheo, Rotor Seal, Vespel, 7725I | WAT055946 |
| Rheo, 20 ul Sample Loop         | WAT096224 |

### Miscellaneous

|                  |           |
|------------------|-----------|
| Power Cord, 100V | WAT097194 |
| Power Cord, 220V | WAT097410 |

## LCMS Systems - ZQ Spare Parts

### Power Supplies, PCBs

|                                |              |
|--------------------------------|--------------|
| GPIB PCI Board & S/W           | 186000825    |
| HPIB PCI Board & S/W           | 289000764    |
| ZQ Head Amp Assy               | 700001123    |
| Syringe Drive PCB              | 700001135    |
| Power Supply, 28,28,24         | 700001125    |
| Power Supply, 3.3,5,15,15,28   | 700001126    |
| Switch, Mains                  | 700001146    |
| ZQ Brandenburg PSU DN1043 HVDC | 700001141    |
| ZQ Brandenburg PSU DN1077 HVDC | 725000141    |
| Generator, RF ZQ4000           | 700001300    |
| ZQ Lid Assy Inc. Quad          | 700001134    |
| ZQ Single PS Wiring            | 700001359    |
| ESCI Kit                       | 176001591    |
| Embedded PC, ZQ                | 4186002DC2-S |
| ZQ A/D Main Sys Board          | 700002162    |
| ZQ, I/O Board                  | 700001805    |
| 1000W DC Power Supply          | 700001334    |

### Fuses

|                                               |           |
|-----------------------------------------------|-----------|
| Fuse, 1A, SB, SMT little Fuse 154 00IT        | 700001364 |
| Fuse, 1.5A, SB, SMT little Fuse 154 01.5T     | 700001365 |
| Fuse, 2.5A SB, SMT little use 154 02.5T       | 700001366 |
| Fuse, 3.5A SB, SMT little Fuse 154 03.5T      | 700001367 |
| Fuse, 5A SB, SMT little Fuse 154 005T         | 700001368 |
| Fuse, 0.5A VFA, SMT little Fuse 154.500       | 700001371 |
| Fuse, A1, FB, SMT little Fuse 154, 1F 664-844 | 700001369 |
| Fuse, 2A VFA, SMT little Fuse 154.002         | 700001372 |
| Fuse 10A Quick Blow 1.25" 312                 | 700001362 |
| Fuse 8A, Anti-surge Ceramic 1.25"x0.25"       | 700001363 |
| Fuse 2A V/Fast SMT R451002                    | 700001370 |
| ZQ Spare Fuse Kit                             | 700001716 |

## LCMS Systems - ZQ Spare Parts

### Electrical Components

|                                            |            |
|--------------------------------------------|------------|
| Filter, Mains                              | 700001147  |
| Fuse, 15A, Anti-surge                      | 700001152  |
| ZQ Power Cord, EURO, 16A 250V AC           | 700001293  |
| ZQ, Plug, IEC, 320C20                      | 700001149  |
| ZQ Cable IEC/NEMA US cord set              | 4161010BC1 |
| ZQ, Power Cord, UK                         | 700001292  |
| Relay, 24V                                 | 700000965  |
| ZQ Heatsink Assembly                       | 700001263  |
| Conn18 to Gen1 Cable Assy                  | 700001264  |
| Internal Ethernet crossover Cable          | 700000949  |
| RS232 Cble, 10 ft                          | 700002045  |
| Conn9 to Analyzer Conn Cable Assembly      | 700001265  |
| Head amp Cable Assy                        | 700001269  |
| Conn31 Desolv Flow Control Cable Assembly  | 700001266  |
| Conn34 to Cone Flow Control Cable Assembly | 700001267  |
| User I/O Conn PCB Cable Assembly           | 700001268  |
| Conn10 to Probe Conn Cable Assembly        | 700001270  |
| Cable Assy, CONN 24 to Valves              | 700001271  |
| Conn29 to HVDC Supply Cable Assembly       | 700001272  |
| Cable, CONN 30 to Capillary and DET P50    | 700001273  |
| Conn25 to Front Panel Cable Assembly       | 700001274  |
| Conn17 to 14 to Inj. Switch Cable Assembly | 700001275  |
| ZQ syringe ground Cable                    | 700001317  |
| Conn5 to Syringe Driver J2 Cable Assembly  | 700001276  |
| Conn6 to Syringe Driver J3 Cable Assembly  | 700001277  |
| Conn21 to Gas Valves Cable Assembly        | 700001279  |
| Rotary Pump Cable Assy                     | 700001281  |
| Reset Switch EPC Cable Assembly            | 700001283  |
| Cable, Printer, Internal, ZQ               | 4088005CD1 |
| Cable, RJ45                                | 700001145  |

## LCMS Systems - ZQ Spare Parts

### Electrical Components - Continued

|                              |              |
|------------------------------|--------------|
| Cable, Source, ZQ            | 700001133    |
| Cable, IEEE                  | 700000947    |
| Cable, Analog 12 Ft          | WAT020398    |
| SOURCE THERMOCOUPLE SPARE ZQ | 3961112DK1-S |
| Two conductor Cable/I/O PCB  | 700001823    |

### Source and Analyzer Components

|                               |              |
|-------------------------------|--------------|
| Assembly Detector, ZQ         | 700001161    |
| Block, Sample Cone Locator    | 700001245    |
| Block, Terminal               | 700001251    |
| Cone, Gas Nozzle, ZQ          | 700001236    |
| Cone, Sample, ZQ              | 700001237    |
| Cover Plate                   | 700001234    |
| Extraction Cone, ZQ           | 700001238    |
| Fastener, ION Block, ZQ       | 700001241    |
| Heater Assy, ZQ Source        | 700001201    |
| Hexapole, Assembly ZQ         | 700001132    |
| ION Block Assy ZQ             | 700001198    |
| Phosphor Lens                 | T308102A     |
| Photomultiplier Platform LC   | 279000127    |
| Plug, Hole, PEEK, ION Body ZQ | 700001243    |
| Plug M10                      | 700000906    |
| Retainer, Extractor, ZQ       | M946683AD1-S |
| ZQ Sleeve Retainer, X-Couple  | 700001244    |
| Seal Ring, ZQ                 | 700001239    |
| Seal, Plug                    | 700000907    |
| Spring Clip Cone Gas, ZQ      | 700001232    |
| Stem, Valve                   | 700001240    |

## LCMS Systems - ZQ Spare Parts

### Source and Analyzer Components - continued

|                           |           |
|---------------------------|-----------|
| Support, ION Block ZQ     | 700001233 |
| ZQ Source Assembly        | 700001222 |
| ZQ Block Terminal         | 700001251 |
| ZQ Source Spares Kit      | 700001291 |
| ZQ Source Consumables Kit | 700001296 |
| Pogo Pin ZQ Source        | 700001315 |
| ZQ Pumping Block Assy     | 700001780 |
| M5 Threaded Plug          | 700001356 |
| ZQ Source Enclosure       | 700001130 |

### Hardware (Screws, Nuts & Washers)

|                                      |            |
|--------------------------------------|------------|
| LCZ/ZMD/ZQ Apcl Knob Grub Screw M3x3 | 700000579  |
| LCZ/ZMD/ZA Attaceh Screw Apcl Probe  | 700000577  |
| Attach Screw ESI Probe               | M955734BC1 |
| M2x2 Apcl Grub Screw Slotted         | 700000967  |
| Screw, M3x20 Cross                   | 700002066  |
| Screw, M2x6 CH HD, S.S.              | 700001195  |
| Screw, M2x4 SKT HD Cap               | 700001168  |
| Screw, M4x40. S/H, SST               | 410000523  |
| Screw, Metric, M3x6 PH AG(5pk)       | 5340001-S  |
| Washer, Flat, M4                     | WAT410410  |
| Washer, Large Valve Stem             | 700001038  |
| Washer, Lock Split M2                | WAT410240  |
| Washer, M3 S.S                       | 700001197  |
| Washer, Small, Valve Stem            | 700001039  |
| Washer Teflon, Ion block fastener    | 700001929  |
| Screws, ion black m4x25 (10pk)       | 700001044  |

## LCMS Systems - ZQ Spare Parts

### Nitrogen Fittings, Components

|                                    |            |
|------------------------------------|------------|
| 10mm PTE Tube 5M 6060752           | 6060752-S5 |
| Kit, Union Diff DIA 4-6MM, LCZ     | 700000465  |
| Union, 6mm-6mm Nitrogen Fittings   | 700000466  |
| Tee, Male Nitrogen run             | 700001935  |
| LCZ/ZMD/ZQ 10MM O.K. Bottle Trap   | 700000574  |
| Guest 3/8" SCV Non return valve N2 | 700001782  |
| Union, Drain Double Male           | 700001936  |
| Elbow, Male Nitrogen               | 700001937  |
| Elbow, Extended Drain Plug In      | 700001939  |
| connector, Male Drain              | 700001940  |

### Valves and Flowmeters

|                                                               |           |
|---------------------------------------------------------------|-----------|
| Flow Controller, ZQ, Dual Channel Controller,<br>Kroehne 201F | 700001124 |
| Valve, Solenoid, Turbo Vent                                   | 700001155 |
| ZQ Solenoid, KV, Nitrogen In                                  | 700001154 |
| ZA Inj Valve Rhoe RV700 100                                   | 700001156 |
| Cooling Fan Sm, RF Gen                                        | 700000278 |
| ZQ 2000 RF Gen Fan                                            | 700000935 |
| Inline Filter, N2                                             | 6070714   |

### Vacuum Components

|                                                                                |           |
|--------------------------------------------------------------------------------|-----------|
| Adapter NW25 - 1/2 Hose                                                        | 6070506   |
| Controller, Turbo pump, 24V                                                    | 700001127 |
| Oil ULTRAGRADE 19 H11025015                                                    | 5560020-S |
| Edwards Oil Return Kit                                                         | 700000573 |
| Gauge, Pirani, APG L, NW15                                                     | 700001129 |
| Jubilee Hose Clamp #2 NOTE: This part can be<br>used in place of P/N WAT241162 | 700000468 |
| Ms Oil Mist Filter Housing w/Element                                           | WAT241107 |



## LCMS Systems - ZQ Spare Parts

### Vacuum Components - continued

|                                          |            |
|------------------------------------------|------------|
| Ms Vac Hose PVC 1 in. 25 Ft.             | WAT241165  |
| NW25 Center Ring, Fluro                  | 6071207    |
| NW25 Flange, Lg, Butt                    | S100440AD1 |
| NW25 Swing Clamp                         | WAT240696  |
| NW25 Tee                                 | WAT240462  |
| Oil Mist Filter Element                  | 6060142    |
| Pump, Split Flow Turbo, Edwards 200/200H | 700001128  |
| Tailpiece, NW25-NW25                     | 700001157  |
| Installation & Oil Filters               | 700001288  |
| Edwards Pump Kit                         | 700001289  |
| Edwards, ISO 100 Ctr Ring, Viton         | 700001314  |
| Solvent/oil Tray                         | WAT088667  |

### Miscellaneous Parts

|                                        |           |
|----------------------------------------|-----------|
| Cover, LHS, ZQ                         | 700001120 |
| Cover, RHS, ZQ                         | 700001121 |
| Cover, Top, ZQ                         | 700001119 |
| Molding, Front, ZQ                     | 700001122 |
| LCZ/ZMD/ZQ Glass Eye Loupe             | 700000883 |
| ZQ Instrument Spares Kit               | 700001118 |
| Basic Spares & Tool Kit                | 700001287 |
| Sample loop, 10ul s.s. Rheo, RV700-100 | 700001302 |
| Kit, Rebuild, Rheo, RV700-100          | 417000107 |
| ZQ Syringe Pump                        | 700003832 |
| Stud, Locating Pho/Bronze              | 700001781 |
| Card, INTEL Pro100                     | 210000169 |

### O-Rings

|                                  |           |
|----------------------------------|-----------|
| O-Ring, 12x1.5, Viton            | 700001194 |
| O-Ring, ASO35, Viton, PTFE Encap | 700001192 |

## LCMS Systems - ZQ Spare Parts

### O-Rings - continued

|                                  |           |
|----------------------------------|-----------|
| O-Ring, S039 Viton               | 5711130   |
| O-Ring, AS007 Kalrez             | 700000903 |
| O-Ring, 6.1 ID x 1.6 Kalrez      | 700000902 |
| O-Ring, 42 ID x 1.5 C/S Viton    | 700001056 |
| Kit, O-Ring, ION Blk             | 700000355 |
| O-Ring, Extraction Lens 5/pk     | 700000901 |
| O-Ring, Viton, 2-013             | WAT241666 |
| O-Ring, Viton, 2-035             | 700000904 |
| O-Ring, Viton, 2-010 10/pk       | 700000452 |
| O-Ring, Viton, AS101, PTFE Encap | 700001480 |
| O Ring, Viton AS012 3/pk         | 5711915-S |
| O-Ring, Viton, AS109 5/pk        | 700001604 |
| BS214 Encapsulated O-Ring        | 700001897 |

### Probe Components

|                                |           |
|--------------------------------|-----------|
| Apcl Probe                     | 700000290 |
| Assy, Heater Shroud, Apcl      | 700000441 |
| Coupling, Apcl-ESI, Probe      | 700000966 |
| ESI Probe                      | 700000289 |
| Ferrulle 1/16x.3 Bore, GVF     | 415000110 |
| Ferrulle Apcl-GV004, ZQ        | 700000344 |
| Ferrulle ESI-GVF16-16 2/pk     | 700000343 |
| Heater, Apcl Probe             | 279000112 |
| In-line Filter Anachem A314    | 600000106 |
| Tube Liner (Normal Flow) 10/pk | 700000640 |
| Liner, Ferrulle ESI Probe      | 430000110 |
| O-Ring, Apcl-ESI, Coupling     | 700000968 |
| Pad, Filter                    | 600000103 |
| Pin, Corona Apcl               | 700000354 |
| Silica, Fused, Apcl Probe      | 430000109 |

## LCMS Systems - ZQ Spare Parts

### Probe Components - continued

|                         |              |
|-------------------------|--------------|
| Sleeve, ESI Conductive  | 700000969    |
| Tip, Probe Assy         | 700000337    |
| PTFE Tube ESI Probe     | 6060743-S1   |
| ESI Probe End Cover     | 700001667    |
| Probe Adjuster Assembly | M946843CC1-S |
| Probe Support Insulator | 700005650    |

### Tubing, Fittings, Capillaries

|                              |            |
|------------------------------|------------|
| 4mm PTFE Tubing 5 meters     | 6060733-S5 |
| 6mm PTFE Tube 5m             | 6060754-S5 |
| Elbow 4-M5                   | 700000961  |
| Ferrule 1/16x.05 Bore        | 405000154  |
| Fused Silica, .375 x.75 x 1  | 6490512-S1 |
| Union, ZVD PEEK, 101H        | 700000607  |
| Port, PEEK, Rheodyne Inj.    | 700000472  |
| TEE, 4mm, Equal              | 700000962  |
| TEE PEEK W/3 Comp Screw      | 700000606  |
| Tube ESI-SS Capillary        | 700000341  |
| Union Adapter 10/32, UNF     | 700000481  |
| Union, Double Y 4-6          | 700000960  |
| Union, PEEK, 2 Pkg           | 415000106  |
| Upchurch Nut & Ferrule 2/pkg | 405000155  |

## KITS Consumable and Spares

The following KITS of spare parts and consumables are available  
Waters ships with the ZQ, only those KITS listed in the next  
("KITS Shipped with the ZQ"). The contents of these KITS are  
listed in the tables on the succeeding pages.

|                            |           |
|----------------------------|-----------|
| APCl Probe, Spare Assy Kit | 700000338 |
| APCl Probe, Kit Consumable | 700000464 |
| ESI Probe Assy Spares Kit  | 700000336 |

### **KITS Consumable and Spares - continued**

The following KITS of spare parts and consumables are available Waters ships with the ZQ, only those KITS listed in the next ("KITS Shipped with the ZQ"). The contents of these KITS are listed in the tables on the succeeding pages.

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| Kit, Consumable, ESI Probe                                             | 700000463 |
| ZQ Source Spares Kit                                                   | 700001291 |
| API Test Kit                                                           | 700000889 |
| API Calibration Kit                                                    | 700001593 |
| FractionLynx Dye Kit                                                   | 716000765 |
| Basic Spares & Tool Kit                                                | 700001287 |
| Installation & Oil Filters Kit                                         | 700001288 |
| ZQ Source Consumables Kit                                              | 700001296 |
| ZQ/EMD/QUMICRO Perform Maint Kit w/chem                                | 176002050 |
| API Set up Solution                                                    | 700001594 |
| MS Chemical Kit                                                        | 700002157 |
| Reserpine Kit                                                          | 700001673 |
| Edwards Oil Return Kit                                                 | 700000573 |
| Edwards Pump Kit (contains the oil return connection Kit ref #A5042000 | 700001289 |

### **LCMS Systems - Single Quad Detector (SQD)**

#### **Cables**

|                                       |           |
|---------------------------------------|-----------|
| Assy, Cable, AC to Filter             | 700003026 |
| Assy, Cable, Motor,SAMP.SYR.DR.       | 441000475 |
| Assy, Cable, MS API Gas               | 700003012 |
| Assy, Cable, MS APPI Panel            | 700003020 |
| Assy, Cable, MS Chassis Grd to Filter | 700003025 |
| Assy, Cable, MS Chassis Ground        | 700003024 |
| Assy, Cable, MS Desol/Cone Gas        | 700003029 |
| Assy, Cable, MS Desolv. HTR/TC/INTLK  | 700003031 |

## LCMS Systems - Single Quad Detector (SQD)

### Cables - continued

|                                         |            |
|-----------------------------------------|------------|
| Assy, Cable, MS Detector PWR Dist.      | 700003016  |
| Assy, Cable, MS Divert Valve/Encode EXT | 700003030  |
| Assy, Cable, MS Head Amp                | 700003023  |
| Assy, Cable, MS Ion Optic/Pole DC       | 700003028  |
| Assy, Cable, MS LV LENS                 | 700003045  |
| Assy, Cable, MS Micro Pirani            | 700003018  |
| Assy, Cable, MS Person/DC Convert 2     | 700003033  |
| Assy, Cable, MS Power-Status LED        | 700003013  |
| Assy, Cable, MS Probe/Det Power         | 700003027  |
| Assy, Cable, MS Reset Switch            | 700003032  |
| Assy, Cable, MS RF/DC 1 Signal          | 700003015  |
| Assy, Cable, MS RF/DC Power             | 700003011  |
| Assy, Cable, MS Supply Inhibit Switch   | 700003017  |
| Assy, Cable, MS Syringe                 | 700003014  |
| Assy, Cable, MS Turbo Controler         | 700003019  |
| Assy, Cable, MS Turbo Power             | 700003022  |
| Assy, Cable, SRC Heater/Therm           | 700003021  |
| Assy,Cable, GAS FAIL                    | 700003070  |
| Cable, HEX/PRE-Filter                   | 700003006  |
| Cable, MS/MS ION OPTIC/POLE DC TO RF    | 700003068  |
| Mains I lock Cable (US0                 | 3952010BC2 |
| LEYBOLD SV40 Relay Cable                | 700004420  |
| PIRANI ADAPTER CABLE                    | 700004745  |
| Power Distribution Cable Assembly       | 700003016  |

### PCBs

|                                      |              |
|--------------------------------------|--------------|
| Assy, PCB, 48V TO 24V DC-DC CNVRTRS  | 700003037    |
| ASSY, PERSONALITY CARD, TESTED, SQ   | 700003087    |
| Headamp PCB                          | 3961202DC2-S |
| LINK RESISTOR                        | 700003010    |
| SQD, Fuse Kit, PCB Personality Board | 700002982    |

## LCMS Systems - Single Quad Detector (SQD)

### Screws, Washers, & Springs

|                                        |              |
|----------------------------------------|--------------|
| Screw CAP M6X20 ST STL                 | 5313008-S    |
| CAPTIVE Screw M6                       | M946471AD1-S |
| CONE RETAINER                          | 700003058    |
| connector Support Assy                 | 700003009    |
| Drain Bulkhead Fitting w/securing nut  | 700004865    |
| GLASS VIEWPORT                         | 700003071    |
| GRUB Screw M3x6L SLT-FLT PT.           | 5316021-S    |
| GUIDE ROD                              | M946470AD1-S |
| ION BLOCK Support Screw                | M956067AD3-S |
| M2X5L CSK HD SCR ST STEEL              | 5311042-S    |
| Screw CAP.HD M4 X6 ST.STL              | 5313111      |
| Screw CH HD M2 X 10 ST STL             | 5314051-S    |
| Screw CSK M1.6X4 ST STL                | 5311073-S    |
| Screw CSK M2 X 6 ST STL                | 5311043-S    |
| SCREW GRUB M3X10 ST STL SKT (5/PK.)    | 5316038-S    |
| Screw M3 X20 Cap HD.ST STL.            | 5313123      |
| Screw M5X10 ST/STL.CAP/HD              | 5313084      |
| Screw,CAPTIVE,M3 X 12,SST, AG PlateD   | 700003571    |
| SCREWS, ION BLOCK, M4X25 (10 PK)       | 700001044    |
| SHOULDER Screw, M3, SLOTTED            | 700003063    |
| SPRING, BELLEVILLE, .25 X .125, PKG 10 | 700003080    |
| SYRINGE KNOB SCREW & PEEK SLEEVE.      | 700004019    |
| Thumb Screw                            | M970685AD1   |
| WASHER M2 ST STL PLAIN                 | 700000107    |
| WASHER SPRING M2                       | 5336013-S    |
| WASHER WAVY M3 ST STL 20/pk            | 5335005-S    |

### O-RINGS

|                                         |           |
|-----------------------------------------|-----------|
| O-RING, VITON, 2-271                    | 700003065 |
| 12MM X1.5MM VITON ORING (Quattro Micro) | 700001194 |
| O RING AS 016 VITON                     | 700000355 |

## LCMS Systems - Single Quad Detector (SQD)

### O-RINGS - continued

|                                  |           |
|----------------------------------|-----------|
| O RING AS 025 VITON              | 700000353 |
| O RING PERLAST SIZE 6.1x1.6      | 700000902 |
| O RING VITON 42 x1.5C/S          | 700001056 |
| O RING VITON BS039               | 5711130   |
| O RING VITON DIA 63.0x2.0 C/S    | 5711317   |
| O RING VITON PTFE ENCAP SIZE 035 | 700001192 |
| OIL, DEMISTER                    | 700002893 |
| O-RING AS049 VITON               | 5712022-S |
| O-RING AS536 VITON               | 5712017-S |
| O-RING, VITON, 2-030             | 700003066 |
| O-RING, VITON, 2-242             | 700003005 |
| PTFE Coated Viton Oring          | 700001897 |
| SOURCE ENCLOSURE Gasket          | 700003067 |
| Vespel Seal Ring Extract Cone    | 700001239 |

### Power Supplies

|                                |           |
|--------------------------------|-----------|
| Power supply, 1200 WATT, 48VDC | 279000997 |
| Power supply, 1200 WATT, 48VDC | 279000997 |
| POWER SUPPLY, SQ               | 700004771 |
| SPELLMAN PSU UPGRADE KIT       | 700004141 |

### Assemblies

|                                |           |
|--------------------------------|-----------|
| Probe Adjuster Assembly        | 700004646 |
| Assembly interrupt Switch      | 700003007 |
| Assy Corona Pin Mount          | 700003046 |
| Assy, Cartridge, Diverter Vlv. | 700003002 |
| Assy, E.S.I. PROBE, TRINITY    | 700005530 |
| Assy, Fan, 48v, 84.0 CFM       | 700003035 |
| ASSY, LID                      | 700003633 |
| Assy, Source/Thermocouple      | 700003069 |
| Assy, Syringe Pump, Auto-Tune  | 700002997 |

## LCMS Systems - Single Quad Detector (SQD)

### Assemblies - continued

|                                      |           |
|--------------------------------------|-----------|
| Assy, Vlv, Diverter, Auto-Tune       | 700002999 |
| Assy, Vlv, Sol-Select, Auto-Tune     | 700002998 |
| Assy, Valve, Solenoid, 24v, 3 port   | 700003034 |
| Auxiliary Source Heater Assy         | 700003256 |
| Cartridge HEATER                     | 700003050 |
| Detector LG                          | 700004647 |
| ENDPlate Assembly HEXAPOLE           | 700003003 |
| Extraction cone 0.73                 | 700003257 |
| Filter AC Line Conditioner           | 700003505 |
| Gas Cone Position Block              | 700003735 |
| GAS CONE, CAMLOCK                    | 700003054 |
| HEXAPOLE Assembly TRINITY            | 700003629 |
| ION block assy                       | 700003523 |
| ION BLOCK Support                    | 700003810 |
| Ion Sabre interface, SQ/TQ           | 205000477 |
| Kit, ION Sabre Interface, SQ/TQ Det. | 205000477 |
| MFC gas controller                   | 6062821   |
| PIRANI GAUGE                         | 700004205 |
| PROBE ADJUSTER Assembly              | 700004646 |
| SAMPLE CONE 0,5 DIA                  | 700003055 |
| Auxiliary Heater Extension Cable     | 700003255 |
| Turbo Controller                     | 700003178 |

### Vacuum

|                                       |            |
|---------------------------------------|------------|
| Alcatel oil-free pump                 | 725000534  |
| 3M 1" I.D. VACUUM HOSE                | 6060727-S3 |
| CLAMP 'C' TYPE KF25                   | 6366312    |
| Elbow NW25-025.4, vacuum housing Assy | 700003041  |
| Elbow, 4-M5, New ZMD                  | 700000961  |
| EXHAUST CHAMBER                       | 700003517  |
| GD32 MINERAL OIL, 1 LITRE             | 700005038  |
| GS495 oil 1 Liter                     | 700005038  |



## LCMS Systems - Single Quad Detector (SQD)

### Vacuum - continued

|                                       |              |
|---------------------------------------|--------------|
| HOLE PLUG, VACUUM HOUSING Assy, PKG 2 | 700003075    |
| Leybold rough pump                    | 186003887    |
| Pump, vacuum roughing                 | 186003887    |
| ROTARY INT' LOCK S/BOX ASSY G         | N926001A     |
| Source exhaust trap bottle assy       | S100970BC2-S |
| SQD/TQD Rotary Pump Cable             | 700004020    |
| SV40 Rotary Pump Relay Cable          | 700004420    |
| Turbo Oil Wick                        | 5560013TU    |
| Turbo Oil Wick Access Tool            | 700002381    |
| Turbomolecular pump                   | 279001045    |
| Union, buldHead, 26MM X 19MM          | 700003040    |
| Union, buldHead, 26MM X 26MM          | 700003039    |

### Covers, Shipping Box

|                            |           |
|----------------------------|-----------|
| 3100 metal covers kit      | 700004695 |
| Cover, TRINITY CHASSIS     | 700003636 |
| DOOR Assembly TRINITY Left | 289002584 |
| MICROSwitch Cover          | 700003072 |
| Moulded covers kit 3100    | 700004692 |
| Moulded covers kit SQD     | 700004697 |
| Panel, Mass Spec. LH side  | 700003634 |
| Panel, Mass Spec. RH side  | 700003635 |
| SIDE FLANGE                | 700003060 |
| SQD Shipping box           | 290000820 |

### Tubing and Fittings

|                                       |            |
|---------------------------------------|------------|
| Latch, Lift & Turn, 62 Series Southco | 700003042  |
| 10MM x 8 MM tubing                    | 6060752-S5 |
| 12MM x 10 MM tubing                   | 6070283-S5 |
| Valve, Stream Splitter                | 279000319  |
| Assy, Tube div val to sry manifold    | 700003082  |

## LCMS Systems - Single Quad Detector (SQD)

### Tubing and Fittings - continued

|                                                 |            |
|-------------------------------------------------|------------|
| Assy, Tube DIV VALVE TO Waste                   | 700003084  |
| Assy, Tube Intake, Solvent SELECT               | 700003081  |
| Assy, Tube SYR Man to SOL Man                   | 700003083  |
| COUPLING, REDUCING, 1/4 X 3/16 TUBE OD          | 700003712  |
| DIA 4 PLUG                                      | 700003049  |
| DIA 4xM5 MALE connector                         | 6071951-S  |
| FASTENER ION BLOCK                              | M945812AD1 |
| Fitting, BLKHD, MALE ELBOW, 4mm X M12           | 700003044  |
| Fitting, UNION "Y", 4mm X 4mm X R1/8 THD        | 700003043  |
| Low Vol Inserts for SQ/TQ/3100                  | 205000519  |
| Low volume adapter                              | 205000519  |
| Micro Tee                                       | 700004068  |
| Nitrogen gas FITTING, TEE, 6MM TUBE TO 6MM TUBE | 700002499  |
| PLUG Seal                                       | 700000907  |
| PLUG, M10, 6MM HEX                              | 700000906  |
| POLYMER C RING 25 PF110025T                     | 6071201    |
| Kit, Union, Nitrogen Fittings LCZ/ZMD           | 700000466  |
| TEFL WASHR 038.0625 HEYCO                       | 700001929  |
| Tube Teflon 4 O/Dx2.5 I/D NAT                   | 6060733-S1 |
| Tubing Assy,DIV. VALVE TO PROBE                 | 700003085  |
| VALVE STEM                                      | 700004339  |
| VALVE STEM KNOB                                 | 700004335  |
| Y-Connector, Barbed, 1/4" ID Tube               | 410000704  |

### Miscellaneous

|                                     |           |
|-------------------------------------|-----------|
| Bottle Round 15ml 8pk               | 700003432 |
| BRAID EARTH STRAP M5                | 700004852 |
| Extraction tool, sample cone        | 700003736 |
| Handheld Pressure Indicator DPI 705 | 7992374-S |
| Lapping Film                        | 700000571 |

## LCMS Systems - Single Quad Detector (SQD)

### Miscellaneous - continued

|                                           |            |
|-------------------------------------------|------------|
| SQD/TQD/3100 (Rotary) Perf Mnt Kit w/chem | 176002064  |
| SQD/TQD/3100(Oil Free)Perf Mnt Kit w/chem | 176002135  |
| Rotary Kit                                | 176002064  |
| Oil Free Pump Kit                         | 176002135  |
| Pressure Test Kit                         | S100981DC1 |
| Retainer Viewport                         | M945733AD1 |
| SET-UP SOLUTION QP, SQD                   | 700003105  |
| SOURCE ENCLOSURE Gasket                   | 700003067  |
| SQ/TQD power cord kit                     | 205000414  |
| SQD Standards Kit                         | 700003093  |
| Switch, Ethernet, 10/100, 8 Port          | 725000455  |
| Terminal Block                            | 700003057  |
| Vials (box) - ordered separately          | 186000327C |
| 12mm Hex Wrench                           | 700006076  |
| FITTING, TEE, 6MM TUBE TO 6MM TUBE        | 700002499  |
| Source Drip Shield (1ea)                  | 700002934  |
| KIT, Micro Tee                            | 700004068  |
| VALVE, Steam Splitter                     | 279000319  |
| Y-CONNECTOR, BARBED, 1/4" ID TUBE         | 410000704  |
| GD32 Mineral Oil, 1 LITRE                 | 700005038  |
| KIT, UNION, NITROGEN FITTINGS LCZ/ZMD     | 700000466  |
| Kit, Low Volume Adapter                   | 205000519  |
| KIT, MAINS CORDS, US                      | 205000414  |
| LCZ/ZMD Lapping Film                      | 700000571  |
| OIL RESERVOIR PMO63265T                   | 5560013TU  |
| Tool, Cap Removal                         | 700002381  |
| OIL ULTRAGRADE 19 H11025015               | 5560020-S  |
| LCZ/ZMD Edwards Oil, 1 Gal.               | 700000870  |
| Drip tray Kit                             | M946231BC1 |
| Collision Gas Tubing SS                   | 6395995-S  |
| Collision Gas Fittings (2/pk)             | 6070707-S  |
| Nitrogen Line Tubing                      | 6060754-S1 |

## SOFTWARE - 746 Data Module

### Single Channel S/N < 101645

|                       |           |
|-----------------------|-----------|
| 348K Memory Expansion | WAT054081 |
| AC Input Cable        | WAT054091 |
| Printer Assembly      | WAT054092 |
| System PCB Ch1        | WAT054116 |
| 128K Memory Expansion | WAT054111 |
| 348K Memory Expansion | WAT054112 |
| Printer Assembly      | WAT054092 |

### Dual Channel S/N < 101645

|                         |           |
|-------------------------|-----------|
| Dual Channel System PCB | WAT054104 |
| 348K Memory Expansion   | WAT054081 |
| AC Input Cable          | WAT054091 |
| Printer Assembly        | WAT054092 |
| System PCB Ch2          | WAT054117 |
| 128K Memory Expansion   | WAT054111 |
| 348K Memory Expansion   | WAT054112 |
| Printer Assembly        | WAT054092 |

### Options

|                               |           |
|-------------------------------|-----------|
| Basic Prog Opt (Incl. Std IC) | WAT054102 |
| GPC option                    | WAT054107 |

## SOFTWARE+A7596 - 746 Data Module

### Cables

|                                    |           |
|------------------------------------|-----------|
| Sensor CableAssy                   | WAT054090 |
| Time Function Cable                | WAT054056 |
| Remote Start Cable                 | WAT054063 |
| 746 to PL 600 RS-232 Cable         | WAT062699 |
| M745 to WISP 746 to WISP BOD Cable | WAT054020 |

## SOFTWARE - Empower 1154 Personal

### Breeze 2

|                 |           |
|-----------------|-----------|
| PC w/Breeze 2   | 176001770 |
| Breeze 2 Add-on | 176001771 |

### Fusion

|                                                   |           |
|---------------------------------------------------|-----------|
| Fusion Method Development Software Personal       | 176001927 |
| Fusion Method Development 1 User & 1 Inst License | 716003054 |

### Personal Add-ons

|                                  |           |
|----------------------------------|-----------|
| Empower 2 Personal Single System | 176001825 |
| Empower 2 Personal Multi System  | 176001826 |
| Empower 2 Personal PC Integrator | 176000932 |

|               |           |
|---------------|-----------|
| e-SAT/IN ICOP | 667001813 |
|---------------|-----------|

### Personal Named User Licenses

|                                                           |           |
|-----------------------------------------------------------|-----------|
| Empower Personal software Named User 5 Pack<br>(W/S only) | 667001187 |
|-----------------------------------------------------------|-----------|

### Personal Options

|                                             |           |
|---------------------------------------------|-----------|
| Empower Personal System Suitability Option  | 667001123 |
| Empower Personal GPC Option                 | 667001125 |
| Empower Personal GPC/V Option               | 667001127 |
| Empower Personal GPC/LS option              | 176000530 |
| Empower Personal ToolKit Option             | 667001086 |
| Empower Personal Pattern Matching           | 667001129 |
| Empower Personal Dissolution Option         | 667001130 |
| Empower Personal Chemical Structures Option | 667001121 |
| Empower Personal AutoArchive Option         | 667001131 |
| On Line Help FIGS                           | 667001587 |

## **SOFTWARE - Empower 1154 Personal**

### **Empower GC Control Licenses (Personal, Workgroup, Enterprise)**

|         |           |
|---------|-----------|
| 1 User  | 667001413 |
| 5 User  | 667001414 |
| 20 User | 667001417 |
| 50 User | 667001418 |

### **Headspace Control Option Empower**

|                                 |           |
|---------------------------------|-----------|
| Headspace Control Option 1 Pack | 667003493 |
|---------------------------------|-----------|

## **SOFTWARE - Empower 1154**

### **Empower Named User Licenses (Enterprise)**

|         |           |
|---------|-----------|
| Single  | 176000389 |
| 5 Pack  | 176000390 |
| 20-Pack | 176000393 |
| 50-Pack | 176000394 |

### **Empower Enterprise Options**

|                                           |           |
|-------------------------------------------|-----------|
| System Suitability                        | 667001080 |
| GPC                                       | 667001082 |
| GPCV                                      | 667001084 |
| GPC/LS (includes LS SP)                   | 176000531 |
| Tool Kit                                  | 667001086 |
| Pattern Matching                          | 667001088 |
| Dissolution                               | 667001090 |
| Chemical Structure                        | 667001119 |
| Auto Archive                              | 667001133 |
| FIGS Help (included in all new shipments) | 667001587 |

## **SOFTWARE - Empower 1154 Enterprise**

### **Empower GC Control Licenses (Personal,Workgroup,Enterprise)**

|         |           |
|---------|-----------|
| 1 User  | 667001413 |
| 5 User  | 667001414 |
| 20 User | 667001417 |
| 50 User | 667001418 |

### **Headspace Control Option Empower**

|                                 |           |
|---------------------------------|-----------|
| Headspace Control Option 1 Pack | 667003493 |
|---------------------------------|-----------|

### **Empower 2 Enterprise Acquisition Clients, Kits & Acquisition Servicers**

**\*See Service Note on Configuration 14**

### **Agilent 1100 Plus Licenses Empower (Enterprise)**

|           |           |
|-----------|-----------|
| 1 System  | 667001739 |
| 5 System  | 667001741 |
| 20 System | 667001744 |
| 50 System | 667001745 |

### **Empower Named User Licenses (Workgroup)**

|         |           |
|---------|-----------|
| Single  | 176000389 |
| 5 Pack  | 176000390 |
| 20-Pack | 176000393 |
| 50-Pack | 176000394 |

### **Empower Workgroup Add-ons**

|                                    |           |
|------------------------------------|-----------|
| Empower Workgroup License (1 Node) | 667001075 |
|------------------------------------|-----------|

### **Empower Workgroup Options**

|                         |           |
|-------------------------|-----------|
| System Suitability      | 667001104 |
| GPC                     | 667001106 |
| GPCV                    | 667001108 |
| GPC/LS (includes LS SP) | 176000532 |
| Tool Kit                | 667001086 |
| Pattern Matching        | 667001113 |

## SOFTWARE - Empower 1154 Enterprise

### Empower Workgroup Options - continued

|                                    |           |
|------------------------------------|-----------|
| Dissolution                        | 667001115 |
| Chemical Structure                 | 667001117 |
| Auto Archive                       | 667001132 |
| FIGS Help (inc. in all new shpmts) | 667001587 |

### Empower GC Control Licenses (Personal, Workgroup, Enterprise)

|         |           |
|---------|-----------|
| 1 User  | 667001413 |
| 5 User  | 667001414 |
| 20 User | 667001417 |
| 50 User | 667001418 |

### Headspace Control Option Empower & Millennium32 v4.0

|                                 |           |
|---------------------------------|-----------|
| Headspace Control Option 1 Pack | 667003493 |
|---------------------------------|-----------|

### Agilent 1100 Plus Licenses Empower (Workgroup)

|          |           |
|----------|-----------|
| 1 System | 667001749 |
| 5 System | 667001750 |

## SOFTWARE - Empower 1154 Workgroup

### Empower Workgroup Acquisition KITS and

#### Acquisition Servers

\*See Service note on Configuration 14

#### Miscellaneous

|                                         |           |
|-----------------------------------------|-----------|
| OEM WIN 2003 STD SVR R2 SP2 1-4CPU 5CLT | 667002455 |
|-----------------------------------------|-----------|

#### Acquisition & Control Hardware

|                                              |             |
|----------------------------------------------|-------------|
| Pump Control Module (PCM II)                 | 186002449   |
| Bus SAT/IN Interface Module                  | WAT073640   |
| 8 Port Avocent Serial Hub (US,UK, EU & Asia) | 176001939   |
| 8 Port Avocent Serial Hub (Japan)            | 176001939JA |



## SOFTWARE - Empower 1154 Workgroup

### Acquisition & Control Hardware - continued

|                                               |           |
|-----------------------------------------------|-----------|
| Avocent Serial Hub CD                         | 667003906 |
| HP5890 GC Control and Acquisition Cabling Kit | WAT201045 |
| Serial Control and Acquisition Board          | WAT280125 |
| Assy. Temperature Control Module II (TCM II)  | 186002441 |
| Assy. Pump Control Module II (PCM II)         | 186002449 |
| e-SAT/IN Kit                                  | 176000499 |
| e-SAT/IN Power Supply                         | 668000231 |
| e-SAT/IN Startup Kit                          | 200000167 |
| 7 meter Ethernet Cable                        | WAT069054 |
| Ethernet cross over Cable3 ft.                | 440000145 |
| RJ45 Coupler                                  | 668000232 |
| SAT/IN to Detector Cable                      | WAT020320 |
| RJ45 Serial Cable25ft                         | WAT280130 |
| RJ45 9 pin adapter (6890/A1100)               | WAT280128 |
| Network Interface Card Intel Pro 100          | 210000169 |
| Network Switch 8 port 10/100                  | 725000455 |
| RS232 Cablefor PDA Firmware updates           | WAT200448 |

## Software - Empower 2 Personal

### System Control Licenses

|                                                   |           |
|---------------------------------------------------|-----------|
| Empower 2 Personal System Control License, 1 Pack | 667002387 |
| Empower 2 Personal System Control License, 4 Pack | 667002388 |

### Personal Named User Licenses

|                                                                |           |
|----------------------------------------------------------------|-----------|
| Empower Personal software Named User 5 Pack (Workstation Only) | 667001187 |
|----------------------------------------------------------------|-----------|

## Software - Empower 2 Personal

### Personal Options

|                                                           |           |
|-----------------------------------------------------------|-----------|
| Empower Personal System Suitability Option                | 667001123 |
| Empower Personal GPC Option                               | 667001125 |
| Empower Personal GPC/V Option                             | 667001127 |
| Empower Personal GPC/LS Option (includes LS Service Pack) | 176000530 |
| Empower ToolKit Option                                    | 667002568 |
| Empower Personal Pattern Matching Option                  | 667001129 |
| Empower Personal Dissolution Option                       | 667001130 |

### Personal Options

|                                             |           |
|---------------------------------------------|-----------|
| Empower Personal Chemical Structures Option | 667001121 |
| Empower Personal AutoArchive Option         | 667001131 |
| Empower 2 AccessChrom Data Converter        | 667002384 |
| Empower 2 ChemStation Data Converter        | 667002385 |
| Empower 2 MassLynx Data Converter           | 667002386 |

### GC Control Licenses

|                                       |           |
|---------------------------------------|-----------|
| GC Control License 1 Pack for Empower | 667001413 |
|---------------------------------------|-----------|

### Acquisition & Control Hardware

|                                               |           |
|-----------------------------------------------|-----------|
| Pump Control Module II (PCM II)               | 186002449 |
| Bus SAT/IN Interface Module                   | WAT073640 |
| Waters e-SAT/IN Module                        | 176000499 |
| HP5890 GC Control and Acquisition Cabling Kit | WAT201045 |
| Serial Control And Acquisition Board          | WAT280125 |

### Monitor and Computer Options

|                                          |           |
|------------------------------------------|-----------|
| Monitor, IBM 17" Flat Panel              | 668000249 |
| Monitor, IBM 20" Flat Panel              | 668000273 |
| Waters CDS Computer Windows Lenovo M58   | 186004844 |
| RJ45 Serial Cable, 25 ft                 | WAT280130 |
| RJ45 9-pin adapter (for 6890N GC, A1100) | WAT280128 |

## Software - Empower 2 Personal

### Monitor and Computer Options - continued

|                                              |             |
|----------------------------------------------|-------------|
| Ethernet Straight-through Cable, 21 ft       | WAT069054   |
| Ethernet Crossover Cable, 3 ft               | 440000145   |
| Modular Coupler, RJ45                        | 668000232   |
| Network Interface Card, Intel Pro 100        | 210000169   |
| Network Switch, 8-port, 10/100               | 725000455   |
| USB DVD Drive                                | 668000301   |
| USB Floppy Drive                             | 668000319   |
| 8 Port Avocent Serial Hub (US,UK, EU & Asia) | 176001939   |
| 8 Port Avocent Serial Hub (Japan)            | 176001939JA |
| Avocent Serial Hub CD                        | 667003906   |

### Miscellaneous

|                  |             |
|------------------|-------------|
| Empower Tutorial | 667001156EN |
|------------------|-------------|

## SOFTWARE - Empower 2 Enterprise

### Empower 2 Enterprise Part Numbers and Pricing

#### Base Server Kit

|                                                 |           |
|-------------------------------------------------|-----------|
| Empower 2 Enterprise Add On Kit (5 Named Users) | 176000941 |
|-------------------------------------------------|-----------|

#### Named User Licenses

|                                     |           |
|-------------------------------------|-----------|
| Empower software Named User 1 Pack  | 176000389 |
| Empower software Named User 5 Pack  | 176000390 |
| Empower software Named User 20 Pack | 176000393 |
| Empower software Named User 50 Pack | 176000394 |

#### System Control Licenses

|                                          |           |
|------------------------------------------|-----------|
| Empower 2 System Control License, 1 Pack | 667002380 |
| Empower 2 System Control License, 4 Pack | 667002381 |

## SOFTWARE - Empower 2 Enterprise

### Enterprise Options

|                                                                           |           |
|---------------------------------------------------------------------------|-----------|
| Empower software Enterprise System Suitability                            | 667001080 |
| Empower software Enterprise GPC                                           | 667001082 |
| Empower software Enterprise GPC/V                                         | 667001084 |
| Empower software Enterprise GPC/LS (includes LS Service Pack)             | 176000531 |
| Empower software ToolKit                                                  | 667002568 |
| Empower software Enterprise Pattern Matching                              | 667001088 |
| Empower software Enterprise Dissolution                                   | 667001090 |
| Empower software Chemical Structures                                      | 667001119 |
| Empower Enterprise ELSA32                                                 | 176000419 |
| Empower 2 - AccessChrom Data Converter                                    | 667002384 |
| Empower 2 - ChemStation Data Converter                                    | 667002385 |
| Empower 2 - MassLynx Data Converter                                       | 667002386 |
| Empower Enterprise Data Management (EDM) Option                           | 176001578 |
| Empower Enterprise Data Management (EDM) Named User License               | 176001100 |
| Add On Empower Server Connectivity License for EDM                        | 176001101 |
| Empower 2 Enterprise Data Guard Option                                    | 176001108 |
| Empower 2 Method Validation Manager Enterprise Named User License         | 667002523 |
| Empower 2 Method Validation Manager Enterprise Named User License 5 Pack  | 667002526 |
| Empower 2 Method Validation Manager Enterprise Named User License 20 Pack | 667002536 |
| Empower 2 Method Validation Manager Enterprise Named User License 50 Pack | 667002538 |
| Empower 2 MVM software AQT (per node)                                     | 176900024 |

## SOFTWARE - Empower 2 Enterprise

### Agilent 1100 Licenses

|                                                              |           |
|--------------------------------------------------------------|-----------|
| Empower software Agilent 1100 License 1 Pack for Enterprise  | 667001739 |
| Empower software Agilent 1100 License 5 Pack for Enterprise  | 667001741 |
| Empower software Agilent 1100 License 20 Pack for Enterprise | 667001744 |
| Empower software Agilent 1100 License 50 Pack for Enterprise | 667001745 |

### GC Control Licenses

|                                        |           |
|----------------------------------------|-----------|
| GC Control License 1 Pack for Empower  | 667001413 |
| GC Control License 5 Pack for Empower  | 667001414 |
| GC Control License 20 Pack for Empower | 667001417 |
| GC Control License 50 Pack for Empower | 667001418 |

### Headspace Control Option (For Model G1290B)

|                                           |           |
|-------------------------------------------|-----------|
| Empower 2 Headspace Control Option 1 Pack | 667003493 |
|-------------------------------------------|-----------|

### Acquisition KITS and Acquisition Servers

**\*See Service Note on Configuration 14**

### Acquisition & Control Hardware

|                                               |           |
|-----------------------------------------------|-----------|
| Pump Control Module II (PCM II)               | 186002449 |
| E-SATIN KIT                                   | 176000499 |
| HP5890 GC Control and Acquisition Cabling Kit | WAT201045 |
| Serial Control And Acquisition Board          | WAT280125 |

### Monitor and Computer Options

|                                        |           |
|----------------------------------------|-----------|
| Monitor, IBM 17" Flat Panel            | 668000249 |
| Monitor, IBM 20" Flat Panel            | 668000273 |
| Waters CDS Computer Windows Lenovo M58 | 186004844 |

## SOFTWARE - Empower 2 Enterprise

### Cables, Adapters, NIC & Switch

|                                                                           |             |
|---------------------------------------------------------------------------|-------------|
| RJ45 Serial Cable, 25 ft                                                  | WAT280130   |
| RJ45 9-pin adapter (for 6890N GC, A1100)                                  | WAT280128   |
| Satin Cable25' RJ45 to MMJ (to attach SAT/IN to Com port or Equinox port) | 668000147   |
| Ethernet Straight-through Cbl, 21 ft                                      | WAT069054   |
| Ethernet Crossover Cable, 3 ft                                            | 440000145   |
| Modular Coupler, RJ45                                                     | 668000232   |
| Network Interface Card, Intel Pro 100                                     | 210000169   |
| Network Switch, 8-port, 10/100                                            | 725000455   |
| 8 Port Avocent Serial Hub (US,UK, EU & Asia)                              | 176001939   |
| 8 Port Avocent Serial Hub (Japan)                                         | 176001939JA |
| Avocent Serial Hub CD                                                     | 667003906   |
| Remote Event Cablefor 5890 GC                                             | WAT200431   |
| Pin Shorting Jumper (2) for 5890 GC pin 15                                | WAT072940   |
| USB DVD Drive                                                             | 668000301   |
| USB Floppy Drive                                                          | 668000319   |

### OS and Additional software

|                                                               |           |
|---------------------------------------------------------------|-----------|
| OEM WIN 2003 STD SVR R2 SP2 1-4CPU 5CLT                       | 667002455 |
| Control-IT software (for Primary PC, Secondary PC or LAC/E32) | 667000708 |
| Network Consulting 1 Day                                      | NCS47666  |
| Custom NCS                                                    | NCS47674  |
| Custom Server                                                 | WAT041836 |
| Server installation 3-Day                                     | WAT042841 |
| Server installation 5-Day                                     | WAT042842 |
| Waters SW Escrow Agreement                                    | WAT005417 |

### Enterprise Part Numbers and Pricing - Base Server Kit

|                                               |           |
|-----------------------------------------------|-----------|
| Empower Enterprise Add On Kit (5 Named Users) | 176000367 |
|-----------------------------------------------|-----------|

## SOFTWARE - Empower 2 Enterprise

### Software Options

|                                                                                                  |           |
|--------------------------------------------------------------------------------------------------|-----------|
| Empower software ToolKit                                                                         | 667001086 |
| Empower French, Italian, German, Spanish, English<br>Online Help (included in all new shipments) | 667001587 |

### A6850 GC Control Kit

|                     |           |
|---------------------|-----------|
| 6850 GC Control Kit | 668000292 |
|---------------------|-----------|

## SOFTWARE - Empower 2 Workgroup

### Workgroup Add-Ons

|                                                          |           |
|----------------------------------------------------------|-----------|
| Empower 2 Workgroup software Add-On (1 Node, 5<br>Users) | 176000938 |
| Empower 2 Workgroup Secondary PC (1 Node,<br>Windows XP) | 176000939 |
| Empower Workgroup License (1 Node)                       | 667001075 |

### Named User Licenses

|                                     |           |
|-------------------------------------|-----------|
| Empower software Named User 1 Pack  | 176000389 |
| Empower software Named User 5 Pack  | 176000390 |
| Empower software Named User 20 Pack | 176000393 |
| Empower software Named User 50 Pack | 176000394 |

### System Control Licenses

|                                          |           |
|------------------------------------------|-----------|
| Empower 2 System Control License, 1 Pack | 667002380 |
| Empower 2 System Control License, 4 Pack | 667002381 |

### Agilent 1100 Licenses

|                                                      |           |
|------------------------------------------------------|-----------|
| Agilent 1100 License 1 Pack for Empower<br>Workgroup | 667001749 |
| Agilent 1100 License 5 Pack for Empower<br>Workgroup | 667001750 |

## **SOFTWARE - Empower 2 Workgroup**

### **GC Control Licenses**

|                                        |           |
|----------------------------------------|-----------|
| GC Control License 1 Pack for Empower  | 667001413 |
| GC Control License 5 Pack for Empower  | 667001414 |
| GC Control License 20 Pack for Empower | 667001417 |
| GC Control License 50 Pack for Empower | 667001418 |

### **Workgroup Options**

|                                                                           |           |
|---------------------------------------------------------------------------|-----------|
| Empower Workgroup System Suitability Option                               | 667001104 |
| Empower Workgroup GPC Option                                              | 667001106 |
| Empower Workgroup GPC/V Option                                            | 667001108 |
| Empower Workgroup GPC/LS Option (includes LS Service Pack)                | 176000532 |
| Empower ToolKit Option                                                    | 667002568 |
| Empower Workgroup Pattern Matching Option                                 | 667001113 |
| Empower Workgroup Dissolution Option                                      | 667001115 |
| Empower Workgroup Chemical Structures Option                              | 667001117 |
| Empower 2 AccessChrom Data Converter                                      | 667002384 |
| Empower 2 ChemStation Data Converter                                      | 667002385 |
| Empower 2 MassLynx Data Converter                                         | 667002386 |
| Empower 2 Method Validation Manager Workgroup Named User License          | 667002506 |
| Empower 2 Method Validation Manager Workgroup Named User License 5 Pack   | 667002507 |
| Empower 2 Method Validation Manager Workgroup Named User License 100 Pack | 667002516 |

### **Acquisition KITS and Acquisition Servers**

|                                         |           |
|-----------------------------------------|-----------|
| Empower 2 Enterprise Acquisition Client | 176001862 |
| Dual System Serial Lace32               | 176001897 |
| Quad System Serial Lace32               | 176001898 |
| Dual System eLace32                     | 176001900 |
| Quad System eLace32                     | 176001901 |



## SOFTWARE - Empower 2 Workgroup

### Acquisition & Control Hardware

|                                               |           |
|-----------------------------------------------|-----------|
| Pump Control Module II (PCM II)               | 186002449 |
| E-SATIN KIT                                   | 176000499 |
| HP5890 GC Control and Acquisition Cabling Kit | WAT201045 |
| Serial Control And Acquisition Board          | WAT280125 |

### Monitor and Computer Options

|                                        |           |
|----------------------------------------|-----------|
| Monitor, IBM 17" Flat Panel            | 668000249 |
| Monitor, IBM 20" Flat Panel            | 668000273 |
| Waters CDS Computer Windows Lenovo M58 | 186004844 |

### Cables, Adapters, NIC & Switch

|                                                                           |             |
|---------------------------------------------------------------------------|-------------|
| RJ45 Serial Cable, 25 ft                                                  | WAT280130   |
| RJ45 9-pin adapter (for 6890N GC, A1100)                                  | WAT280128   |
| Satin Cable25' RJ45 to MMJ (to attach SAT/IN to Com port or Equinox port) | 668000147   |
| 8 Port Avocent Serial Hub (US,UK, EU & Asia)                              | 176001939   |
| 8 Port Avocent Serial Hub (Japan)                                         | 176001939JA |
| Avocent Serial Hub CD                                                     | 667003906   |
| Ethernet Straight-through Cbl, 21 ft                                      | WAT069054   |
| Ethernet Crossover Cable, 3 ft                                            | 440000145   |
| Modular Coupler, RJ45                                                     | 668000232   |
| Network Interface Card, Intel Pro 100                                     | 210000169   |
| Network Switch, 8-port, 10/100                                            | 725000455   |
| Remote Event Cablefor 5890 GC                                             | WAT200431   |
| ESATIN I/O Blcok                                                          | 700002358   |
| Pin Shorting Jumper (2) for 5890 GC pin 15                                | WAT072940   |
| USB DVD Drive                                                             | 668000301   |
| USB Floppy Drive                                                          | 668000319   |

## SOFTWARE - Empower 2 Workgroup

### OS and Additional software

|                                         |           |
|-----------------------------------------|-----------|
| OEM WIN 2003 STD SVR R2 SP2 1-4CPU 5CLT | 667002455 |
| Network Consulting 1 Day                | NCS47666  |
| Custom NCS                              | NCS47674  |
| Custom Server                           | WAT041836 |
| Server installation 3-Day               | WAT042841 |
| Server installation 5-Day               | WAT042842 |
| Waters software Escrow Agreement        | WAT005417 |

## SOFTWARE - Empower 2

### Empower Total Assurance Plans and Warranties

|                                            |           |
|--------------------------------------------|-----------|
| Empower Personal Basic                     | 740000809 |
| Empower Personal Premier                   | 740000810 |
| Empower Personal Upgrade w/TAP             | 740000811 |
| Empower Personal 5 Named User License Opt. | 740000812 |
| Empower Workgroup                          | 740000813 |
| Empower Enterprise TAP                     | 740000816 |
| Empower Enterprise Premier TAP             | 740000817 |

### Licenses for Workgroup or Enterprise

|                                     |           |
|-------------------------------------|-----------|
| Empower 1 Named User License Option | 740000820 |
| Empower 5 Named User License Option | 740000820 |

### Licenses for Workgroup or Enterprise

|                                       |           |
|---------------------------------------|-----------|
| Empower 100 Named User License Option | 740000820 |
|---------------------------------------|-----------|

Note: Each Empower Enterprise or Workgroup Premier Plan above is pricing for the web training seminars.

### Empower Total Assurance Plans and Warranties

|                                              |           |
|----------------------------------------------|-----------|
| Empower Personal Basic                       | 740000827 |
| Empower Personal Premier                     | 740000828 |
| Empower Personal 5 Named User License Option | 740000829 |

## SOFTWARE - Empower 2

### Software & Buslace on/off plan

|                               |           |
|-------------------------------|-----------|
| PCB, BUSLACE MULTI, HALF CARD | 700005180 |
|-------------------------------|-----------|

### Software only on plan (Must purchase Buslace plan)

|                               |           |
|-------------------------------|-----------|
| PCB, BUSLACE MULTI, HALF CARD | 700005180 |
| BusLace TAP                   | TAP603503 |

### ISA or PCI single system Buslace to PCI Multi

|                           |           |
|---------------------------|-----------|
| Empower ADD-ON M/S        | 176000415 |
| Empower ACQ Client ADD-ON | 176000398 |

## SOFTWARE - Empower 3 Personal

### Personal Add-Ons

|                                                                             |           |
|-----------------------------------------------------------------------------|-----------|
| Empower 3 Personal Single System Software                                   | 176002203 |
| Empower 3 Personal Multi System Software                                    | 176002204 |
| Empower 3 Single to Multi eSystem Upgrade                                   | 176002442 |
| Empower 3 Personal PC-Integrator Add-On (SATIN)<br>- 1 system license incl. | 176002441 |

### System Control Licenses

|                                                      |           |
|------------------------------------------------------|-----------|
| Empower 3 Personal System Control License, 1<br>Pack | 667003960 |
| Empower 3 Personal System Control License, 4<br>Pack | 667003961 |

### Personal Named User Licenses

|                                               |           |
|-----------------------------------------------|-----------|
| Empower 3 Personal Software Named User 5 Pack | 667003936 |
|-----------------------------------------------|-----------|

## SOFTWARE - Empower 3 Personal

### Personal Options

|                                                     |           |
|-----------------------------------------------------|-----------|
| Empower 3 Personal System Suitability Option        | 667003974 |
| Empower 3 Personal GPC/SEC                          | 667003977 |
| Empower 3 Software Toolkit                          | 667002568 |
| Empower Personal Dissolution Option                 | 667003980 |
| Empower 3 Personal Chemical Structures Option       | 667003983 |
| Empower 3 Personal AutoArchive Option               | 667003986 |
| Empower 3 Method Validation Manager Personal Option | 176002227 |

### 3rd Party LC Control Licenses

|                                             |           |
|---------------------------------------------|-----------|
| Empower 3 Agilent LC Control License 1 Pack | 667003966 |
|---------------------------------------------|-----------|

### GC Control Licenses

|                                     |           |
|-------------------------------------|-----------|
| Empower 3 GC Control License 1 Pack | 667003962 |
|-------------------------------------|-----------|

### Acquisition & Control Hardware

|                                       |           |
|---------------------------------------|-----------|
| Pump Control Module II (PCM II)       | 186002449 |
| 6850 GC Control Kit                   | 668000292 |
| Headspace Control v2.0 for Empower SW | 667003493 |
| Waters e-SAT/IN Module                | 176000499 |
| Option, 8-Port Serial Card            | WAT280125 |
| Kit, 8-Port Serial Hub, ESP-8         | 176001939 |

### Monitor and Computer Options

|                                       |           |
|---------------------------------------|-----------|
| Monitor, Lenovo 17" Flat Panel        | 668000249 |
| Monitor, Lenovo 22" Flat Panel        | 668000273 |
| Waters CDS Computer Windows Vista M58 | 186004844 |

## SOFTWARE - Empower 3 Personal

### Cables, Adapters, NIC & Switch

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| RJ45 Serial Cable, 25 ft                                                   | WAT280130 |
| RJ45 9-pin adapter (for 6890N GC, A1100)                                   | WAT280128 |
| Satin Cable 25' RJ45 to MMJ (to attach SAT/IN to Com port or Equinox port) | 668000147 |
| Ethernet Straight-through Cable, 25 ft, Shielded                           | 441000371 |
| Ethernet Crossover Cable, 3 ft                                             | 440000145 |
| Modular Coupler, RJ45                                                      | 668000232 |
| Network Interface Card, Intel Pro 100                                      | 210000169 |
| Network Switch, 8-port, 10/100                                             | 725000455 |
| Remote Event Cable for 5890 GC                                             | WAT200431 |
| Pin Shorting Jumper (2) for 5890 GC pin 15                                 | WAT072940 |
| USB DVD Drive                                                              | 668000301 |
| USB Floppy Drive                                                           | 668000319 |

## SOFTWARE - Empower 3 Enterprise

### Base Server Kit

|                                                 |           |
|-------------------------------------------------|-----------|
| Empower 3 Enterprise Add On Kit (5 Named Users) | 176002207 |
| Empower 3 Enterprise Add On Kit Maintenance     | 740003893 |

### Named User Licenses

|                                             |           |
|---------------------------------------------|-----------|
| Empower 3 Named User 1 Pack                 | 667003932 |
| Empower 3 Named User 1 Pack Maintenance     | 740003900 |
| Empower 3 Named User 5 Pack                 | 667003933 |
| Empower 3 Named User 5 Pack Maintenance     | 740003901 |
| Empower 3 Named User 20 Pack                | 667003934 |
| Empower 3 Named User 20 Pack Maintenance    | 740003902 |
| Empower 3 Named User 50 Pack                | 667003935 |
| Empower 3 Named User 50 Pack Maintenance    | 740003903 |
| Empower 3 Multi-Database Named User License | 667003931 |

## SOFTWARE - Empower 3 Enterprise

### System Control Licenses

|                                          |           |
|------------------------------------------|-----------|
| Empower 3 System Control License, 1 Pack | 667003960 |
| Empower 3 System Control License, 4 Pack | 667003961 |

### Software Options

|                                                  |           |
|--------------------------------------------------|-----------|
| Empower 3 Software Enterprise System Suitability | 667003976 |
| Empower 3 Software Enterprise GPC / SEC          | 667003979 |
| Empower 3 Software Toolkit                       | 667002568 |
| Empower 3 Software Enterprise Dissolution        | 667003982 |
| Empower 3 Software Chemical Structures           | 667003985 |
| Empower 3 NuGenesis (included in SDMS SR7 kits)  | 667003987 |

### Enterprise Options

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| Empower Enterprise Data Manager 2 (EDM) Option                    | 176001576 |
| Empower Enterprise Data Manager 2 (EDM) Option<br>Maintenance     | 740003295 |
| Add On Empower Server Connectivity License for<br>EDM             | 176001101 |
| Add On Empower Server Connectivity License for<br>EDM Maintenance | 740002772 |
| EDM Vision Named User License 1 Pack                              | 176001100 |
| EDM Vision Named User License 1 Pack<br>Maintenance               | 740002774 |
| EDM Vision Named User License 5 Pack                              | 176001360 |
| EDM Vision Named User License 5 Pack<br>Maintenance               | 740002775 |
| EDM Vision Named User License 20 Pack                             | 176001362 |

## SOFTWARE - Empower 3 Enterprise

### Enterprise Options - continued

|                                                                                      |           |
|--------------------------------------------------------------------------------------|-----------|
| EDM Vision Named User License 20 Pack Maintenance                                    | 740002777 |
| EDM Vision Named User License 50 Pack                                                | 176001363 |
| EDM Vision Named User License 50 Pack Maintenance                                    | 740002778 |
| EDM UNIFY Printer Named User Lic 1 Pack                                              | 176001350 |
| EDM UNIFY Printer Named User Lic 1 Pack Maintenance                                  | 740002781 |
| EDM UNIFY Printer Named User Lic 5 Pack                                              | 176001366 |
| EDM UNIFY Printer Named User Lic 5 Pack Maintenance                                  | 740002782 |
| EDM UNIFY Printer Named User Lic 20 Pack                                             | 176001369 |
| EDM UNIFY Printer Named User Lic 20 Pack Maintenance                                 | 740002784 |
| EDM UNIFY Printer Named User Lic 50 Pack                                             | 176001370 |
| EDM UNIFY Printer Named User Lic 50 Pack Maintenance                                 | 740002785 |
| Empower 3 Method Validation Manager Enterprise Option                                | 176002228 |
| Empower 3 Method Validation Manager Enterprise Maintenance                           | 740003908 |
| Empower 3 Method Validation Manager Named User License 1 Pack                        | 667004021 |
| Empower 3 Method Validation Manager Named User License 1 Pack Maintenance            | 740003909 |
| Empower 3 Method Validation Manager Named User License 5 Pack                        | 667004022 |
| Empower 3 Method Validation Manager Enterprise Named User License 5 Pack Maintenance | 740003910 |

## SOFTWARE - Empower 3 Enterprise

### Enterprise Options - continued

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| Empower 3 Method Validation Manager Named User License 20 Pack             | 667004023 |
| Empower 3 Method Validation Manager Named User License 20 Pack Maintenance | 740003911 |
| Empower 3 Method Validation Manager Named User License 50 Pack             | 667004024 |
| Empower 3 Method Validation Manager Named User License 50 Pack Maintenance | 740003912 |

### 3rd Party LC Control Licenses

|                                                     |           |
|-----------------------------------------------------|-----------|
| Empower Software Agilent LC Control License 1 Pack  | 667003966 |
| Empower Software Agilent LC Control License 5 Pack  | 667003967 |
| Empower Software Agilent LC Control License 20 Pack | 667003968 |
| Empower Software Agilent LC Control License 50 Pack | 667003969 |

### GC Control Licenses

|                      |           |
|----------------------|-----------|
| Empower 3 GC 1 Pack  | 667003962 |
| Empower 3 GC 5 Pack  | 667003963 |
| Empower 3 GC 20 Pack | 667003964 |
| Empower 3 GC 50 Pack | 667003965 |

### Acquisition Kits and Acquisition Servers

|                                                                                 |           |
|---------------------------------------------------------------------------------|-----------|
| Empower 3 Enterprise Acquisition Client Add-on kit (MS) - incl 4 System License | 176002216 |
| Dual System Serial LAC/E32 Acquisition Server - Config 13 (contains Serial Hub) | 176001897 |



## SOFTWARE - Empower 3 Enterprise

### Acquisition Kits and Acquisition Servers - continued

|                                                                                 |           |
|---------------------------------------------------------------------------------|-----------|
| Quad System Serial LAC/E32 Acquisition Server - Config 13 (contains Serial Hub) | 176001898 |
| Dual System eLAC/E32 Acquisition Server - Config 13                             | 176001900 |
| Quad System eLAC/E32 Acquisition Server - Config 13                             | 176001901 |
| LAC/E32 #13 Vista Upgrade Kit English                                           | 668000380 |

### Acquisition & Control Hardware

|                                                                       |           |
|-----------------------------------------------------------------------|-----------|
| Pump Control Module II (PCM II)                                       | 186002449 |
| 6850 GC Control Kit                                                   | 668000292 |
| Headspace Control v2.0 for Empower SW                                 | 667003493 |
| Waters e-SAT/IN Module                                                | 176000499 |
| 8-Port Serial Card (Equinox Card) (support on Windows XP 32-bit Only) | WAT280125 |
| Kit, 8-Port Serial Hub, ESP-8                                         | 176001939 |

### Monitor and Computer Options

|                                       |           |
|---------------------------------------|-----------|
| Monitor, Lenovo 17" Flat Panel        | 668000249 |
| Monitor, Lenovo 22" Flat Panel        | 668000273 |
| Waters CDS Computer Windows Vista M58 | 186004844 |

### Cables, Adapters, NIC & Switch

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| RJ45 Serial Cable, 25 ft                                                   | WAT280130 |
| RJ45 9-pin adapter (for 6890N GC, A1100)                                   | WAT280128 |
| Satin Cable 25' RJ45 to MMJ (to attach SAT/IN to Com port or Equinox port) | 668000147 |
| Ethernet Straight-through Cable, 25 ft, Shielded                           | 441000371 |
| Ethernet Crossover Cable, 3 ft                                             | 440000145 |
| Modular Coupler, RJ45                                                      | 668000232 |
| Network Interface Cd, IntelPro100                                          | 210000169 |

## SOFTWARE - Empower 3 Enterprise

### Cables, Adapters, NIC & Switch - continued

|                                            |           |
|--------------------------------------------|-----------|
| Network Switch, 8-port, 10/100             | 725000455 |
| Remote Event Cable for 5890 GC             | WAT200431 |
| Pin Shorting Jumper (2) for 5890 GC pin 15 | WAT072940 |
| USB DVD Drive                              | 668000301 |

### Additional Software

|                                  |           |
|----------------------------------|-----------|
| Network Consulting 1 Day         | NCS47666  |
| Custom NCS                       | NCS47674  |
| Custom Server                    | WAT041836 |
| Server installation 3-Day        | WAT042841 |
| Server installation 5-Day        | WAT042842 |
| Waters Software Escrow Agreement | WAT005417 |

### Special Promotion Acquisition Servers

|                                                                                                     |           |
|-----------------------------------------------------------------------------------------------------|-----------|
| LAC/E <sup>32</sup> Acquisition Server Hardware only (Windows XP) - Config 13 (No System Licenses)* | 668000372 |
|-----------------------------------------------------------------------------------------------------|-----------|

**\*For customers who are upgrading to Empower 3 and currently have more than 4 systems attached to their existing LACE32.**

**Marketing approval required**

## SOFTWARE - Empower 3 Workgroup

### Workgroup Add-Ons

|                                                 |           |
|-------------------------------------------------|-----------|
| Empower 3 Workgroup Software Add-On             | 176002205 |
| Empower 3 Workgroup Software Add-On Maintenance | 740004265 |
| Empower 3 Workgroup to Enterprise Upgrade       | 176002206 |

### Named User Licenses

|                                                  |           |
|--------------------------------------------------|-----------|
| Empower 3 Software Named User 1 Pack             | 667003932 |
| Empower 3 Software Named User 1 Pack Maintenance | 740003900 |

## SOFTWARE - Empower 3 Workgroup

### Named User Licenses - continued

|                                                         |           |
|---------------------------------------------------------|-----------|
| Empower 3 Software Named User 5 Pack                    | 667003933 |
| Empower 3 Software Named User 5 Pack<br>Maintenance     | 740003901 |
| Empower 3 Software Multi-Database Named User<br>License | 667003931 |

### System Control Licenses

|                                          |           |
|------------------------------------------|-----------|
| Empower 3 System Control License, 1 Pack | 667003960 |
| Empower 3 System Control License, 4 Pack | 667003961 |

### 3rd Party LC Control Licenses

|                                             |           |
|---------------------------------------------|-----------|
| Empower 3 Agilent LC Control License 1 Pack | 667003966 |
| Empower 3 Agilent LC Control License 5 Pack | 667003967 |

### GC Control Licenses

|                                     |           |
|-------------------------------------|-----------|
| Empower 3 GC Control License 1 Pack | 667003962 |
| Empower 3 GC Control License 5 Pack | 667003963 |

### Workgroup Options

|                                                 |           |
|-------------------------------------------------|-----------|
| Empower 3 Workgroup System Suitability Option   | 667003975 |
| Empower 3 Workgroup GPC / SEC Option            | 667003978 |
| Empower 3 Software Toolkit                      | 667002568 |
| Empower 3 Workgroup Dissolution Option          | 667003981 |
| Empower 3 Workgroup Chemical Structures Option  | 667003984 |
| Empower 3 NuGenesis (included in SDMS SR7 kits) | 667003987 |

## SOFTWARE - Empower 3 Workgroup

### Enterprise Options (for Workgroup)

|                                                                           |           |
|---------------------------------------------------------------------------|-----------|
| Empower Enterprise Data Manager 2 (EDM) Opt.                              | 176001576 |
| Empower Enterprise Data Manager 2 (EDM) Option Maintenance                | 740003295 |
| Add On Empower Server Connectivity License for EDM                        | 176001101 |
| Add On Empower Server Connectivity License for EDM Maintenance            | 740002772 |
| EDM Vision Named User License 1 Pack                                      | 176001100 |
| EDM Vision Named User License 1 Pack Maintenance                          | 740002774 |
| EDM Vision Named User License 5 Pack                                      | 176001360 |
| EDM Vision Named User License 5 Pack Maintenance                          | 740002775 |
| EDM UNIFY Printer Named User Lic 1 Pack                                   | 176001350 |
| EDM UNIFY Printer Named User Lic 1 Pack Maintenance                       | 740002781 |
| EDM UNIFY Printer Named User Lic 5 Pack                                   | 176001366 |
| EDM UNIFY Printer Named User Lic 5 Pack Maintenance                       | 740002782 |
| Empower 3 Method Validation Manager Workgroup Option                      | 176002229 |
| Empower 3 Method Validation Manager Workgroup Maintenance                 | 740003913 |
| Empower 3 Method Validation Named User License 1 Pack                     | 667004021 |
| Empower 3 Method Validation Manager Named User License 1 Pack Maintenance | 740003914 |
| Empower 3 Method Validation Mgr Named User License 5 Pk                   | 667004022 |
| Empower 3 Method Validation Manager Named User License 5 Pack Maintenance | 740003915 |

## SOFTWARE - Empower 3 Workgroup

### Acquisition Kits and Acquisition Servers

|                                                                                 |           |
|---------------------------------------------------------------------------------|-----------|
| Empower 3 Workgroup Acquisition Client Add-On Kit (MS) - incl 4 System License  | 176002215 |
| Dual System Serial LAC/E32 Acquisition Server - Config 13 (contains Serial Hub) | 176001897 |
| Quad System Serial LAC/E32 Acquisition Server - Config 13 (contains Serial Hub) | 176001898 |
| Dual System eLAC/E32 Acquisition Server - Config 13                             | 176001900 |
| Quad System eLAC/E32 Acquisition Server - Config 13                             | 176001901 |
| LAC/E32 #13 Vista Upgrade Kit English                                           | 668000380 |

### Acquisition & Control Hardware

|                                                                       |           |
|-----------------------------------------------------------------------|-----------|
| Pump Control Module II (PCM II)                                       | 186002449 |
| 6850 GC Control Kit                                                   | 668000292 |
| Headspace Control v2.0 for Empower SW                                 | 667003493 |
| Waters e-SAT/IN Module                                                | 176000499 |
| 8-Port Serial Card (Equinox Card) (support on Windows XP 32-bit Only) | WAT280125 |
| Kit, 8-Port Serial Hub, ESP-8                                         | 176001939 |

### Monitor and Computer Options

|                                       |           |
|---------------------------------------|-----------|
| Monitor, Lenovo 17" Flat Panel        | 668000249 |
| Monitor, Lenovo 22" Flat Panel        | 668000273 |
| Waters CDS Computer Windows Vista M58 | 186004844 |

### Cables, Adapters, NIC & Switch

|                                                                            |           |
|----------------------------------------------------------------------------|-----------|
| RJ45 Serial Cable, 25 ft                                                   | WAT280130 |
| RJ45 9-pin adapter (for 6890N GC, A1100)                                   | WAT280128 |
| Satin Cable 25' RJ45 to MMJ (to attach SAT/IN to Com port or Equinox port) | 668000147 |
| Ethernet Straight-through Cable, 25 ft, Shielded                           | 441000371 |

## SOFTWARE - Empower 3 Workgroup

### Cables, Adapters, NIC & Switch - continued

|                                            |           |
|--------------------------------------------|-----------|
| Ethernet Crossover Cable, 3 ft             | 440000145 |
| Modular Coupler, RJ45                      | 668000232 |
| Network Interface Cd Intel Pro 100         | 210000169 |
| Network Switch, 8-port, 10/100             | 725000455 |
| Remote Event Cable for 5890 GC             | WAT200431 |
| Pin Shorting Jumper (2) for 5890 GC pin 15 | WAT072940 |
| USB DVD Drive                              | 668000301 |

### Additional Software

|                                  |           |
|----------------------------------|-----------|
| Network Consulting 1 Day         | NCS47666  |
| Custom NCS                       | NCS47674  |
| Custom Server                    | WAT041836 |
| Server installation 3-Day        | WAT042841 |
| Server installation 5-Day        | WAT042842 |
| Waters Software Escrow Agreement | WAT005417 |

## MISCELLANEOUS - LC/MS

### Tubing, Fittings, Tools & Cables

|                                                                                                                                                                  |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Peek Tubing & Fitting Kit (Inc. 12 Ferrules, 6 comp.<br>Screw Long, 6 Comp. Screw Short, 12 Caps for<br>Comp. Screw, 60 .005 Peek Tubing, 60 .010 Peek<br>Tubing | WAT022999 |
| .009 x 1/16 x 10ft SS                                                                                                                                            | WAT026973 |
| .020 x 1/16 x 10ft SS                                                                                                                                            | WAT026804 |
| .040 x 1/16 x 10ft SS                                                                                                                                            | WAT026805 |
| PTFE Tubing 1/8 OD x 25 ft                                                                                                                                       | WAT026809 |
| 1/16 OD x 25 ft                                                                                                                                                  | WAT026974 |
| .009 ID x .125 OD x 10'                                                                                                                                          | WAT088431 |
| .020 ID x .125 OD x 10'                                                                                                                                          | WAT088430 |
| .040 ID x .125 OD x 10'                                                                                                                                          | WAT088432 |

## MISCELLANEOUS - LC/MS

### Tubing, Fittings, Tools & Cables - continued

|                               |           |
|-------------------------------|-----------|
| .062 ID x .125 OD x25'        | WAT026808 |
| 0.010 ID, 2 ft PEEK           | WAT022996 |
| PEEK Tubing, .020 x 1/16 x 60 | WAT022998 |
| PEEK Tubing .005 x 1/16 x 60  | WAT022995 |

### Fittings

|                                        |           |
|----------------------------------------|-----------|
| Compression Screws 10pk                | WAT005070 |
| Knurled Knob                           | WAT021816 |
| Ferrules 10pk                          | WAT005063 |
| Comp Screws & Ferrules 5pk             | WAT025604 |
| Compression Nut, 1/8, 5pk              | WAT005062 |
| Union, NA9 ID                          | WAT097332 |
| Union, 0.040 ID                        | WAT089801 |
| Mixing Tee                             | WAT075215 |
| Comp. Fitting Plug 5pk                 | WAT005079 |
| LT-135x Ferrules, 10pk                 | 410000901 |
| Union, PEEK                            | 410000872 |
| RheFlex Plugs 5pk 6000-090             | 289000341 |
| Tubing Cap                             | WAT084078 |
| Dead-End Ftg/Male Pinplug              | WAT025566 |
| Long Comp Screw, 10pk                  | WAT021812 |
| Helium connector Kit (Incl. Following) | WAT023486 |
| Adapter 3/8 to 3/8                     | WAT050228 |
| reducer (Brass)                        | WAT050224 |
| Brass Fitting for Helium Reg.          | WAT050337 |
| Short Comp Screw, 10pk                 | WAT021815 |
| Ferrulle 1/16 PEEK                     | WAT021817 |

### Tools

|                   |           |
|-------------------|-----------|
| Tubing Cutter     | WAT022384 |
| Cutter wheels 3pk | WAT022385 |

## MISCELLANEOUS - LC/MS

### Tools - continued

|                          |           |
|--------------------------|-----------|
| Polymetric Tubing Cutter | WAT031795 |
| Knife-Edge File          | WAT096149 |
| Plunger Insertion Tool   | WAT011042 |
| Seal Extraction Tool     | WAT039803 |
| 616 Torque Wrench        | WAT025178 |
| IC Extraction ToolKit    | WAT010339 |
| Plunger Seal Form Tool   | WAT024765 |
| Snap-Ring Pliers         | WAT025263 |
| Slotted Nut Driver, 5/16 | WAT076374 |
| 5/16 Wrench              | WAT096148 |
| Ferrule Remover          | WAT021139 |
| Torx Key Set w/Bits      | WAT410162 |
| Torx Screwdriver w/Bits  | WAT410170 |
| Temp. Probe              | WAT015678 |
| Torx 27 Wrench           | 605000104 |

### Touch-Up Paint

|             |           |
|-------------|-----------|
| Light Gray  | WAT251595 |
| Medium Gray | WAT251596 |

### Cables

|                   |           |
|-------------------|-----------|
| Power Cable, 110v | WAT097194 |
| Signal Cable      | WAT048918 |
| Power Cable220V   | WAT097410 |

### IEEE Cables

|                    |           |
|--------------------|-----------|
| IEE Straight Cable | WAT200491 |
| IEEE Cable, 1M     | WAT087198 |
| IEEE Cable, 2M     | WAT087141 |
| IEEE 488 Cable, 4M | WAT087191 |



## MISCELLANEOUS - Shipping boxes

**NOTE:** Shipping boxes requires extra time and are not available for next day delivery.

| Instrument Model  |           |
|-------------------|-----------|
| 410/2410          | WAT080683 |
| 460/464           | WAT080683 |
| 470               | WAT080683 |
| 490               | WAT080683 |
| 484               | WAT080683 |
| 486               | WAT080683 |
| 2487              | WAT080683 |
| 501/510/590       | WAT021040 |
| 515               | WAT207122 |
| 600/650 FHU       | WAT080683 |
| 600S/600 Control. | WAT080683 |
| 680               | WAT042013 |
| 700S/712          | WAT072144 |
| 715               | WAT045554 |
| 715 H/C           | WAT036135 |
| 717+ / 717        | WAT048200 |
| 717 H/C           | WAT078951 |
| 746               | WAT070549 |
| 996 PDA           | WAT080683 |
| 1500 Series Pumps | 290000242 |
| 2690 Alliance     | WAT270182 |
| 2690 Col. Heater  | WAT270991 |
| 2690 Pump Tray    | WAT271406 |
| Integrity         | WAT241100 |
| 2690 H/C          | WAT271001 |
| LCM-1             | WAT041674 |
| CIA/CE            | WAT251014 |
| CHM               | WAT038150 |

### **MISCELLANEOUS - Shipping boxes -continued**

**NOTE:** Shipping boxes requires extra time and are not available for next day delivery.

| <b>Instrument Model</b> |           |
|-------------------------|-----------|
| TCM                     | WAT038004 |
| Inline DEG              | WAT079714 |
| CapLC System Ship Box   | 290001000 |
| CapLC Modular Pump Box  | 290000381 |
| SQD                     | 186003762 |
| ZQ                      | 290000488 |

**Check with Expediting x8016 for Inserts and Packing material. Pallet information and generic boxes. Shipping boxes require extra time & are not available for next day delivery.**

## P50 Pump

### Assemblies

|                                 |           |
|---------------------------------|-----------|
| Board Assy, AC Solenoid Drive   | 700007955 |
| Board Assy, Combo               | 700006815 |
| Board Assy, Combo - P-50A       | 700006980 |
| Board Assy, LED                 | 700006751 |
| Board Assy, Pump Tach           | 700007067 |
| Mixer Assy, CO2-Modifier - P200 | 700006535 |
| Pres Trans Assy, P Series Pumps | 700006758 |
| Pump Housing Assy, P-50         | 700006936 |

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Amp-Combo BD-Motor P-50      | 700006768 |
| Cable Assy, Filter To Power Supply       | 700006766 |
| Cable Assy, Filter To SD AMP - 19        | 700006765 |
| Cable Assy, Flow Meter Input             | 700006756 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.   | 700006754 |
| Cable Assy, Led Drive - P-50             | 700006752 |
| Cable Assy, Power In To Switch           | 700006764 |
| Cable Assy, Rear Panel To Base Plate Gnd | 700006762 |
| Cable Assy, SD Amp - Motor, P-50-SD      | 700006769 |
| Cable Assy, Solenoid Bd. 12V Supply      | 700008310 |
| Cable Assy, Solenoid Bd. Control Input   | 700008306 |
| Cable Assy, Solenoid Bd. Control Output  | 700008308 |
| Cable Assy, Solenoid High Voltage Supply | 700008304 |
| Cable Assy, Supply - Combo BD, P-50      | 700006767 |
| Cable Assy, Switch To Filter - 8.00" Lg. | 700006939 |
| Cable, Hand Held Terminal M-M RJ11       | 700006521 |

### Components

|                        |           |
|------------------------|-----------|
| Belt, 5MMHTD 123 Teeth | 700006763 |
| Disc Retainer, Rupture | 700006775 |

## P50 Pump

### Components - continued

|                                         |           |
|-----------------------------------------|-----------|
| Disc, Pressure Bolster                  | 700006776 |
| Gauge, 10,000 PSI/Bar Dampened          | 700006548 |
| Holder, 3/8" Dia. 1/2"-28x1/8 V Chk Vlv | 700006667 |
| Key, Cam Sprocket                       | 700006934 |
| Piston, .187Dia. Sapphire               | 700006930 |
| Seal, P-50, GFPM, MED Light Spring      | 700007006 |
| Sprocket, Camshaft                      | 700006931 |

### Electronics

|                                         |           |
|-----------------------------------------|-----------|
| Amplifier, 500-750W Servo 110/220VAC    | 700006760 |
| Disc, 10,000PSI 3/16 -9% 72F Rupture    | 700006595 |
| Manifold, P-50                          | 700006920 |
| Motor, Servo 500W 110V/220V             | 700006759 |
| Power Supply, 12V 20W 90-264VAC IN      | 700006753 |
| Power Supply, 24V                       | 700006506 |
| Resistor, 1K, 1/4W, 5%                  | 700006513 |
| Sprocket, Motor                         | 700006932 |
| Switch, Power Rocker 250V 16A Dpst      | 700006680 |
| Transistor Mosfet, BS170 - TO92 Package | 700007334 |

### Fittings & Tubing

|                                         |           |
|-----------------------------------------|-----------|
| Check Valve, 3/8" DIA 10k PSI Cartridge | 700006600 |
| Fastener, 6-32 1"L 18-8 SS SHS          | 700006585 |
| Fastener, 6-32 X .25 SS PPHS            | 700006581 |
| Fastener, 8-32 SS Hex Nut               | 700006578 |
| Filter, Power Line 20A 110-220VAC       | 700006942 |
| Fitting, 1/8" V Ferrule                 | 700006630 |
| Fitting, 1/8" V Nut                     | 700006629 |
| Fitting, 1/8" NPT SS Plug               | 700006671 |
| Fitting, Rupture Disc Housing 1/4" Disc | 700006538 |
| Ring, 3/4" Split Key-Tag                | 700006905 |
| Ring, P-50/FDM Piston Seal Peek Backup  | 700006757 |

## P50 Pump

### Fittings & Tubing

|                      |           |
|----------------------|-----------|
| Ring, Retaining      | 700006933 |
| Seal, P-50 Pump UHMW | 700006748 |
| Washer, DIN 125 M3.5 | 700006983 |

### Kits

|                                 |           |
|---------------------------------|-----------|
| Kit, P-50 Drive Sprocket Repair | 700008091 |
| Kit, Shipping - P-50A           | 700006898 |
| Kit, Spare Parts P-50           | 700008297 |

### Miscellaneous

|                                         |           |
|-----------------------------------------|-----------|
| Connector, 2 Post Jumper                | 700006507 |
| Kit, Rebuild for ABPR-20 w/1 Deg. Taper | 700007446 |
| Tape, 1/2" Wide Mil Grade Teflon        | 700006618 |
| Tie Wrap, Small (4 Inch)                | 700006592 |

## P200 PUMP

### Assemblies

|                                       |           |
|---------------------------------------|-----------|
| Board Assy, AC Solenoid Drive         | 700007955 |
| Board Assy, Combo                     | 700006815 |
| Board Assy, Combo - P-200B            | 700007040 |
| Board Assy, Pump Tach                 | 700007067 |
| Cable Assy, DC Voltage Supply - Pumps | 700007039 |
| Fan Assy, 12V Large                   | 700007044 |
| Mixer Assy, CO2-Modifier - P200       | 700006535 |
| Motor Sprocket Assy                   | 700006828 |
| Piston Assy, 9.52 MM                  | 700006537 |
| Piston Bearing Assembly               | 700007043 |
| Pres Trans Assy, P Series Pumps       | 700006758 |
| Pump Head, Welding Assy P200 Pump     | 700006536 |

## P200 PUMP

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, AC Input- 16.00" LG.         | 700006981 |
| Cable Assy, Filter To SD AMP-19          | 700006765 |
| Cable Assy, Flow Meter Input             | 700006756 |
| Cable Assy, Gnd- 9.00 LG. star to QD     | 700006984 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.   | 700006754 |
| Cable Assy, Motor Drive                  | 700006799 |
| Cable Assy, Motor F.B. SD AMP To Combo   | 700007042 |
| Cable Assy, Power In To Switch           | 700006764 |
| Cable Assy, Solenoid Bd. 12V Supply      | 700008309 |
| Cable Assy, Solenoid Bd. Control Input   | 700008305 |
| Cable Assy, Solenoid Bd. Control Output  | 700008307 |
| Cable Assy, Solenoid High Voltage Supply | 700008303 |
| Cable Assy, Switch To Filter - 17.00"    | 700006940 |
| Cable, Hand Held Terminal M-M RJ11       | 700006521 |

### Components

|                                        |           |
|----------------------------------------|-----------|
| Bearing, 20 MM Pillow Block            | 700006544 |
| Bearing, Cam Follower                  | 700006568 |
| Bearing, Self Lubricated Linear        | 700006570 |
| Belt, HTD Timing                       | 700006540 |
| Bushing, 3/4" Taper Lock               | 700006621 |
| Cam, .40 DISP                          | 700006546 |
| Clamp, 7/8                             | 700006580 |
| Disc, 10,000PSI 1/4 72°F Rupture       | 700006551 |
| Gauge, 10,000 PSI/Bar Dampened         | 700006548 |
| Key, Motor Sprocket .125"SQ X .88"LG   | 700006991 |
| Keystock, 3/16" Square SS X .75        | 700007045 |
| Motor, Synchronous Servo (W/Connector) | 700006503 |
| Pin, Piston - P-200A                   | 700006609 |
| Piston, P-200 Sapphire                 | 700006545 |

## P200 PUMP

### Components - continued

|                                     |           |
|-------------------------------------|-----------|
| Plate, Spacer, Pump Head, P-200     | 700006622 |
| Plate, Sprocket, 9.52MM 10K         | 700006611 |
| Seal, P-200A, GFPM, HVY-Med Spring  | 700006543 |
| Shaft, P-200/P-350 Cam              | 700006550 |
| Spacer, 3/8"OD X 1/2"LN, For #8 SC  | 700006682 |
| Spring, Piston P-200 P-350          | 700006572 |
| Sprocket, Camshaft 9.52MM 10K       | 700006610 |
| Terminal, Hand Held RS232           | 700006519 |
| Valve, Needle 3 Way 1/8" A Fittings | 700006549 |
| Wick, Oil - P-200A/P-350            | 700006911 |

### Electronics

|                                         |           |
|-----------------------------------------|-----------|
| Amplifier, 500-750W Servo 110/220VAC    | 700006760 |
| Connector, 2 Post Jumper                | 700006507 |
| Fuse, 10AMP Ceramic Slow Blow           | 700006522 |
| Power Supply, 12VDC, 3.3A, Swching      | 700006772 |
| Power Supply, 24V                       | 700006506 |
| Switch, Power Rocker 250V 16A Dpst      | 700006680 |
| Transistor Mosfet, BS170 - TO92 Package | 700007334 |

### Fittings & Tubing

|                                         |           |
|-----------------------------------------|-----------|
| Check Valve, 3/8" DIA 10k PSI Cartridge | 700006600 |
| Check Valve, 3/8" Dia 10k PSI, 1/8 Ball | 700006601 |
| Fastener 6-325/16"W 7/64"H 18-8 SS Nut  | 700006583 |
| Fastener, 8-32 SS Hex Nut               | 700006578 |
| Filter, Power Line 20A 110-220VAC       | 700006942 |
| Filter, Screen Washable, 80 SQ          | 700006532 |
| Fitting, 1/4" FNPT X 1/8" V             | 700006646 |
| Fitting, 1/8" Comp Union Tee            | 700006897 |
| Fitting, 1/8" V Cross                   | 700006640 |
| Fitting, 1/8" V Ferrule                 | 700006630 |
| Fitting, 1/8" V Nut                     | 700006629 |

## P200 PUMP

### Fittings & Tubing - continued

|                                         |           |
|-----------------------------------------|-----------|
| Fitting, 1/8" V Tee - 2.00mm Bore       | 700006639 |
| Fitting, P-Series PT Adapter            | 700007566 |
| Fitting, Rupture Disc Housing 1/4" Disc | 700006538 |
| Holder, 3/8" Dia. 1/2"-28x1/8 V Chk Vlv | 700006667 |
| Ring, 3/4" Split Key-Tag                | 700006905 |
| Ring, P-200 Piston Seal Peek Backup     | 700006542 |
| Tape, 1/2" Wide Mil Grade Teflon        | 700006618 |
| Tie Wrap, Small (4 Inch)                | 700006592 |
| Tube, Oiler, 4"Long w/Flared End        | 700006690 |
| Washer, #6 Flat                         | 700006582 |
| Washer, #8x11/64"IDx3/8"ODx.032"THK SS  | 700006586 |

## P350 PUMP

### Assemblies

|                                 |           |
|---------------------------------|-----------|
| Board Assy, AC Solenoid Drive   | 700007955 |
| Board Assy, Combo               | 700006815 |
| Board Assy, Combo - P-350A      | 700007172 |
| Board Assy, Pump Tach           | 700007067 |
| Fan Assy, 12V Large             | 700007044 |
| Mixer Assy, CO2-Modifier - P200 | 700006535 |
| Motor Sprocket Assy             | 700006828 |
| Piston Assy, P-350              | 700006820 |
| Piston Bearing Assembly         | 700007043 |
| Pres Trans Assy, P Series Pumps | 700006758 |

### Cables

|                                       |           |
|---------------------------------------|-----------|
| Cable Assy, AC Input - 16.00" LG.     | 700006981 |
| Cable Assy, DC Voltage Supply - Pumps | 700007039 |
| Cable Assy, Filter To SD AMP - 19     | 700006765 |



## **P350 PUMP**

### **Cables - continued**

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Flow Meter Input             | 700006756 |
| Cable Assy, Gnd- 9.00 LG. star to QD     | 700006984 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.   | 700006754 |
| Cable Assy, Motor Drive                  | 700006799 |
| Cable Assy, Motor F.B. SD AMP To Combo   | 700007042 |
| Cable Assy, Power In To Switch           | 700006764 |
| Cable Assy, Rear Panel To Base Plate Gnd | 700006762 |
| Cable Assy, Solenoid Bd. 12V Supply      | 700008309 |
| Cable Assy, Solenoid Bd. Control Input   | 700008305 |
| Cable Assy, Solenoid Bd. Control Output  | 700008307 |
| Cable Assy, Solenoid High Voltage Supply | 700008303 |
| Cable Assy, Switch To Filter - 17.00"    | 700006940 |
| Cable, Hand Held Terminal M-M RJ11       | 700006521 |

### **Components**

|                                      |           |
|--------------------------------------|-----------|
| Bearing, 20 MM Pillow Block          | 700006544 |
| Washer, #6 Flat                      | 700006582 |
| Bearing, Cam Follower                | 700006568 |
| Bearing, Self Lubricated Linear      | 700006570 |
| Belt, HTD Timing                     | 700006540 |
| Bushing, 3/4" Taper Lock             | 700006621 |
| Cam, .40 DISP                        | 700006546 |
| Clamp, 7/8                           | 700006580 |
| Disc, 6000PSI 1/4 72* Rupture        | 700006712 |
| Gauge, 10,000 PSI/Bar Dampened       | 700006548 |
| Housing, Piston - P-200A             | 700006608 |
| Key, Motor Sprocket .125"SQ X .88"LG | 700006991 |
| Keystock, 3/16" Square SS X .75      | 700007045 |
| Keystock, 3/16" Square SS X 1.375    | 700007046 |
| Pin, Piston - P-200A                 | 700006609 |
| Piston, 1/2" Sapphire                | 700006807 |

## P350 PUMP

### Components - continued

|                                     |           |
|-------------------------------------|-----------|
| Piston, Pump P-350                  | 700006812 |
| Plate, Sprocket, 9.52MM 10K         | 700006611 |
| Ring, P-350 Piston Seal Peek Backup | 700006813 |
| Seal, P-350,GFPM, Pump Piston       | 700007099 |
| Shaft, P-200/P-350 Cam              | 700006550 |
| Spring, Piston P-200 P-350          | 700006572 |
| Sprocket, Camshaft 9.52MM 10K       | 700006610 |
| Tape,1/2" Wide Mil Grade Teflon     | 700006618 |
| Terminal, Hand Held RS232           | 700006519 |
| Wick, Oil - P-200A/P-350            | 700006911 |

### Electronics

|                                         |           |
|-----------------------------------------|-----------|
| Amplifier, 500-750W Servo 110/220VAC    | 700006760 |
| Connector, 2 Post Jumper                | 700006507 |
| Filter, Power Line 20A 110-220VAC       | 700006942 |
| Fuse, 10AMP Ceramic Slow Blow           | 700006522 |
| Motor, Synchronous Servo (W/Connector)  | 700006503 |
| Power Supply, 12VDC, 3.3A, Swching      | 700006772 |
| Power Supply, 24V                       | 700006506 |
| Switch, Power Rocker 250V 16A Dpst      | 700006680 |
| Terminal, Hand Held RS232               | 700006519 |
| Transistor Mosfet, BS170 - TO92 Package | 700007334 |

### Fittings & Tubing

|                                        |           |
|----------------------------------------|-----------|
| Check Valve,3/8"Dia 10K PSI High Flow  | 700006835 |
| Check Valve,3/8"Dia 10k PSI,1/8 Ball   | 700006601 |
| Fastener 6-325/16"W 7/64"H 18-8 SS Nut | 700006583 |
| Fastener, 8-32 SS Hex Nut              | 700006578 |
| Filter, Screen Washable, 80 SQ         | 700006532 |
| Fitting, 1/4" FNPT X 1/8" V            | 700006646 |

## P350 PUMP

### Fittings & Tubing - continued

|                                         |           |
|-----------------------------------------|-----------|
| Fitting, 1/8" Comp Union Tee            | 700006897 |
| Fitting, 1/8" Long V Plug               | 700006649 |
| Fitting, 1/8" V Cross                   | 700006640 |
| Fitting, 1/8" V Ferrule                 | 700006630 |
| Fitting, 1/8" V Nut                     | 700006629 |
| Fitting, 1/8" V Tee - 2.00mm Bore       | 700006639 |
| Fitting, P-Series PT Adapter            | 700007566 |
| Fitting, Rupture Disc Housing 1/4" Disc | 700006538 |
| Holder, 3/8" Dia. 1/2"-28x1/8 V Chk Vlv | 700006667 |
| Spacer, 3/8"OD X 1/2"LN, For #8 SC      | 700006682 |
| Tie Wrap, Small (4 Inch)                | 700006592 |
| Tube, Oiler, 4"Long w/Flared End        | 700006690 |
| Washer, #6 Flat                         | 700006582 |
| Washer, #8x11/64"IDx3/8"ODx.032"THK SS  | 700006586 |

## P SERIES PUMPS ADDITIONAL

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Disc, 10,000PSI 3/16" -9% 72F Rupture CE | 700006596 |
| Fastener, 10-32 X 1/2" SS PPHS           | 700006602 |
| Filter Element, .5 Micron Inline Rplcmnt | 700007007 |
| Filter, Solvent Inlet Line               | 700006678 |
| Fitting, 1/16" V Tee - .75 mm Bore       | 700006632 |
| Fitting, 1/8" MNPT X 1/8" V              | 700006650 |
| Fitting, 1/8" NPT - 1/4" Barb            | 700006832 |
| Tube, Flex 3/8"x24" SS+PTFE 2500PSI      | 700006747 |
| Tubing Assy, Inlet CGA Conn. X 1/8" V    | 700006959 |

### Miscellaneous

|                               |           |
|-------------------------------|-----------|
| Pres Trans, 1/4"MNPT - 10,000 | 700006821 |
| Ring, Retaining               | 700006933 |

## P SERIES PUMPS ADDITIONAL

### Restrictors

|                                          |           |
|------------------------------------------|-----------|
| Restrictor, 363Mic ODx100Mic ID 20mL/Min | 700008260 |
| Restrictor, 363Mic ODx100Mic ID 40ml/Min | 700008261 |
| Restrictor, 363Mic ODx100Mic ID 60ml/Min | 700008262 |
| Restrictor, 363Mic ODx100Mic ID 80ml/Min | 700008263 |
| Restrictor, 363MicODx100MicID 100ml/Min  | 700008264 |

## FDM 10

### Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Heat Exchanger Assy, CPVC 20' 3KPSI- FDM | 700006863 |
| Mixing Tube Assy                         | 700008429 |
| Piston Assy, S 1500 & High Flow 24ml/min | 700007339 |
| PLC ASSY, 4-20MA CARDS, CTRIO, HS OUTPUT | 700007421 |
| Pres Trans Assy, 10KPSI 4-20mA 1/8"MNPT  | 700007318 |
| Pres Trans Assy, 1500PSI 4-20mA 1/8"MNPT | 700007319 |
| Pump Assy, 3 Head 10mm Stroke            | 700007268 |
| Pump Assy, S Dual Hd 12mL/min No Chassis | 700007270 |
| Pump, 10mL/min 90-260V 50/60Hz w/Damp    | 700008093 |
| Solenoid Valve Assy, 2 Way NC 1KPSI      | 700006889 |
| Thermocouple Assy, J-Type 1/16"x2.5"L    | 700007523 |

### Boards

|                                          |           |
|------------------------------------------|-----------|
| Board Assy, Actuator For FDM Module      | 700007331 |
| Board Assy, Actuator Interface           | 700007288 |
| Board Assy, Contact Closure              | 700008254 |
| Board Assy, IM 2A Stepper Drv            | 700007552 |
| Board Assy, Stepper Drive, 3.5A 12-42VDC | 700007818 |

## FDM 10

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 2 Pin Cap to 2 Pin MTA - 17" | 700007322 |
| Cable Assy, 2 Pin Cap to 2 Pin MTA - 21" | 700007323 |
| Cable Assy, Analog Signal to PLC- 15"    | 700007314 |
| Cable Assy, Contact Closure Interconnect | 700008258 |
| Cable Assy, Dual Power Supply Input      | 700007315 |
| Cable Assy, FDM Contact Closure Common   | 700008235 |
| Cable Assy, FDM to Column Oven           | 700007608 |
| Cable Assy, Gnd - 4.5 Lg. Star To Star   | 700006979 |
| Cable Assy, Contact Closure Panel Mnt    | 700008234 |
| Cable Assy, LCD Display Power - 26       | 700007311 |
| Cable Assy, Motor Ctrl 16 Pin Ribbon 18" | 700007117 |
| Cable Assy, Optocouple Sensing-15"       | 700007312 |
| Cable Assy, Oven Internal Interface      | 700007682 |
| Cable Assy, PLC C3 Output side           | 700007779 |
| Cable Assy, PLC V+ supply                | 700007780 |
| Cable Assy, Power Supply SFC-10          | 700007313 |
| Cable Assy, RJ11 to DB9F For PLC- 33     | 700007165 |
| Cable Assy, RS232 PLC to Display- 21"    | 700007310 |
| Cable Assy, Solenoid Drive w Suppression | 700008195 |
| Cable Assy, Stepper Motor Drive - 15     | 700007324 |
| Cable Assy, Stepper Mtr Ctrl- 11 & 11"   | 700007321 |
| Cable Assy, TC Internal Pnl Mnt-22"      | 700006852 |
| Cable Assy, TC to BD for FDM - 25"       | 700007194 |
| Cable, 20 Pin Split Ribbon 13" Long      | 700007189 |

### Check Valves

|                                          |           |
|------------------------------------------|-----------|
| Check Valve Cartridge Inline Replacement | 700007363 |
| Check Valve, 1/16 15KPSI Inline          | 700007362 |
| Check valve, replacement for makeup pump | 700007680 |
| Check Valve, 3/8" Dia 10k PSI, 1/8 Ball  | 700006601 |
| Holder, 3/8" Dia 1/2"-28x1/16" V Chk Vlv | 700007341 |

## FDM 10

### Fittings

|                                          |           |
|------------------------------------------|-----------|
| Fastener 6-325/16"W 7/64"H 18-8 SS Nut   | 700006583 |
| Fastener, 10-32 X 1/2" SS PFHS           | 700006576 |
| Fastener, 10-32 X 1-3/4" SS SHCS         | 700006613 |
| Fastener, 6-32 X .25 SS PPHS             | 700006581 |
| Fastener, 8-32 X .25 SS SHCS             | 700007280 |
| Fastener, 8-32 X .25 Thumb Screw         | 700007281 |
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Fitting 1/8" U Tefzel Ferrule - Short    | 700007274 |
| Fitting, 1/16" Comp Bulkhead Union       | 700007301 |
| FITTING, 1/16" COMP. TEE                 | 700007345 |
| Fitting, 1/16" Nut Outlet S Pump/UV Cell | 700006963 |
| Fitting, 1/16" V Ferrule                 | 700006822 |
| Fitting, 1/4-28 U Peek Bulkhead Union    | 700007286 |
| Fitting, 1/8" Comp. Bulkhead Union       | 700007142 |
| Fitting, 1/8" Mnpt - 1/8" Comp           | 700006664 |
| Fitting, 1/8" U Peek Nut - Short         | 700007272 |
| Fitting, 1/8" V Ferrule                  | 700006630 |
| Fitting, 1/8" V Nut                      | 700006629 |
| Fitting, 1/8" X 1/16" V Reducer Union    | 700006626 |
| Fitting, 1/8" NPTSS Plug                 | 700006671 |
| FITTING, 3/8" BARB X 3/8" BARB NYLON     | 700007346 |
| Fitting, 1/16" V Nut                     | 700006643 |
| Ring, P-50/FDM Piston Seal Peek Backup   | 700006757 |
| Seal, P-50, GFPM, MED Light Spring       | 700007006 |
| Standoff, 6-32X1" M-F                    | 700006577 |
| Washer, #10x.2"IDx.294"ODx.047"Thk SHCS  | 700006588 |
| Washer, #8x11/64"IDx3/8"ODx.032"THK SS   | 700006586 |

## FDM 10

### Kits

|                                     |           |
|-------------------------------------|-----------|
| Kit, FDM Update 50ml Vessel Removal | 700008061 |
| Kit, FDM-10 CO2 Shutoff             | 700008213 |
| Kit, FDM10 Contact Closure          | 700008244 |
| KIT, FDM10 MAINTENANCE              | 700007355 |
| Kit, S1500 Piston Seal              | 700007340 |

### Miscellaneous

|                                         |           |
|-----------------------------------------|-----------|
| Actuator Module, FDM10                  | 700007282 |
| Adapter, 10/100 Fast Ethernet PCI       | 700007927 |
| Belt, 5MM Pitch X 107 Teeth X 9MM Wide  | 700007285 |
| Bracket, FDM10 Stepper Drive Board      | 700007287 |
| Clamp, 1.125" Tubing                    | 700006579 |
| Display, 4 Line X 20 Character LCD      | 700007278 |
| Foot, 1"OD Syringe Pump                 | 700006701 |
| Keystock, 3/16" Square SS X.75          | 700007045 |
| Latch, Flush Mount Paddle               | 700007279 |
| Lens, Clear PM10 Display                | 700007277 |
| Manifold, .125 NPT X 6 Ports, 6KPSI     | 700007293 |
| Pulley, 5MM Pitch X 15 Teeth X .38 Bore | 700007283 |
| Pulley, 5mm Pitch x15mm Bore x100 Teeth | 700007284 |
| Sample, 1.0 mg/ml Steriod mix in MeOH   | 700007926 |
| Transmitter, Modified TC 4-20MA 0-350C  | 700007134 |

### Power Supplies

|                                          |           |
|------------------------------------------|-----------|
| Cord, 110V AC 18-3 Right Angle Power     | 700006515 |
| Motor Assy, 9 " Lead, 18" Encoder Lead   | 700007332 |
| Motor, 306OZ/IN 3/8" Shaft Stepper       | 700006511 |
| Power Supply, 12VDC 12A Output 85-264VAC | 700007306 |
| Power Supply, 24VDC 6A Output 85-264VAC  | 700007112 |
| Transmitter, Modified TC 4-20MA 0-350C   | 700007134 |

## FDM 10

### Valves

|                                     |           |
|-------------------------------------|-----------|
| Valve, 1/16" Dual Input Prime/Purge | 700007361 |
| Valve, 1/8" 6 Way Peek Bulkhead     | 700007271 |
| Valve, 1/8" Comp, 1500 PSI Ball     | 700007291 |

## FDM 30

### Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Heat Exchanger Assy, CPVC 20' 3KPSI- FDM | 700006863 |
| PLC ASSY, 4-20MA CARDS, CTRIO, HS OUTPUT | 700007421 |
| Pres Trans Assy, 1500PSI 4-20mA 1/8"MNPT | 700007319 |
| Pump Assy, 3 Head 10mm Stroke            | 700007268 |
| Pump Assy, S Dual Hd 24mL/min No Chassis | 700008004 |
| Solenoid Valve Assy, 2 Way NC 1KPSI      | 700006889 |
| Thermocouple Assy, J-Type 1/16"x2.5"L    | 700007523 |

### Boards

|                                          |           |
|------------------------------------------|-----------|
| Board Assy, 12V/5A Drive - Actuator Intf | 700007289 |
| Board Assy, Actuator For FDM Module      | 700007331 |
| Board Assy, Contact Closure              | 700008254 |
| Board Assy, Stepper Drive 5A, 12-48VDC   | 700008053 |
| Board Assy, Stepper Drive, 3.5A 12-42VDC | 700007818 |
| Board Assy, Stepper Drive, 5A, 12-48VDC  | 700008029 |

### Check Valves

|                                         |           |
|-----------------------------------------|-----------|
| Check Valve, 1/16 15KPSI Inline         | 700007362 |
| Check Valve, 3/8"Dia 10k PSI, 1/8 Ball  | 700006601 |
| Holder, 3/8"Dia 1/2"-28x1/16" V Chk Vlv | 700007341 |



## FDM 30

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 2 Pin Cap to 2 Pin MTA - 17" | 700007322 |
| Cable Assy, 2 Pin Cap to 2 Pin MTA - 21" | 700007323 |
| Cable Assy, Analog Signal Interface2PLC  | 700007997 |
| Cable Assy, Contact Closure Interconnect | 700008258 |
| Cable Assy, FDM Contact Closure Common   | 700008235 |
| Cable Assy, FDM Power Supply Input       | 700008037 |
| Cable Assy, FDM to Column Oven           | 700007608 |
| Cable Assy, FDM30 Power Supply 2 Output  | 700008063 |
| Cable Assy, Flow Meter Input FDM         | 700008034 |
| Cable Assy, Gnd - 4.5 Lg. Star To Star   | 700006979 |
| Cable Assy, Gnd- Star To QD- 8.00" Lg.   | 700006755 |
| Cable Assy, Ground Stud to fork          | 700008039 |
| Cable Assy, LCD Display Power - 26       | 700007311 |
| Cable Assy, Motor Ctrl 16 Pin Ribbon 18" | 700007117 |
| Cable Assy, Output CFM to Pump           | 700008036 |
| Cable Assy, Oven Internal Interface      | 700007682 |
| Cable Assy, PLC C3 Output side           | 700007779 |
| Cable Assy, PLC V+ supply                | 700007780 |
| Cable Assy, Power Supply SFC 10-30       | 700008035 |
| Cable Assy, RJ11 to DB9F For PLC- 33     | 700007165 |
| Cable Assy, RS232 PLC to Display- 21"    | 700007310 |
| Cable Assy, Solenoid Drive w Suppression | 700008195 |
| Cable Assy, Stepper Motor Control        | 700008082 |
| Cable Assy, Stepper Motor Drive - 15     | 700007324 |
| Cable Assy, TC Internal Pnl Mnt-22"      | 700006852 |
| Cable Assy, TC to BD for FDM - 25"       | 700007194 |
| Cable, 20 Pin Split Ribbon 13" Long      | 700007189 |

## FDM 30

### Fittings

|                                          |           |
|------------------------------------------|-----------|
| Fastener, 8-32 X .25 SS SHCS             | 700007280 |
| Fastener, 8-32 X .25 Thumb Screw         | 700007281 |
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Fitting, 1/16" Comp Bulkhead Union       | 700007301 |
| Fitting, 1/16" V Ferrule                 | 700006822 |
| Fitting, 1/4-28 U Peek Bulkhead Union    | 700007286 |
| Fitting, 1/8" MNPT - 1/16" Comp.         | 700007143 |
| Fitting, 1/8" Mnpt - 1/8" Comp           | 700006664 |
| Fitting, 1/8" V Ferrule                  | 700006630 |
| Fitting, 1/8" V Nut                      | 700006629 |
| Fitting, 1/16" V Nut                     | 700006643 |
| Latch, Flush Mount Paddle                | 700007279 |
| Ring, P-50/FDM Piston Seal Peek Backup   | 700006757 |
| Tubing 50um x 1/16" c 50cm Nat           | 700008713 |
| Valve, 1/16" Dual Input Prime/Purge      | 700007361 |
| Valve, 1/8" Comp, 1500 PSI Ball          | 700007291 |

### Kits

|                               |           |
|-------------------------------|-----------|
| Kit, SFC30 FDM30 Upgrade 110V | 700008027 |
| Kit, SFC30 FDM30 Upgrade 220V | 700008028 |

### Miscellaneous

|                                         |           |
|-----------------------------------------|-----------|
| Actuator Module, FDM10                  | 700007282 |
| Belt, 5MM Pitch X 107 Teeth X 9MM Wide  | 700007285 |
| Keystock, 3/16" Square SS X .75         | 700007045 |
| Lens, Clear PM10 Display                | 700007277 |
| Manifold, .125 NPT X 6 Ports, 6KPSI     | 700007293 |
| Pulley, 5MM Pitch X 15 Teeth X .38 Bore | 700007283 |

## FDM 30

### Power Supplies

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, FDM30 Power Supply 2 Output  | 700008063 |
| Cord, 110V AC 18-3 Right Angle Power     | 700006515 |
| Display, 4 Line X 20 Character LCD       | 700007278 |
| Module, Dual Fuse Power - 110V/220V 7A   | 700006797 |
| Motor, 306OZ/IN 3/8" Shaft Stepper       | 700006511 |
| Power Supply, 12VDC 12A Output 85-264VAC | 700007306 |
| Power Supply, 36VDC 8.7A 313W Switching  | 700008030 |
| Transmitter, Modified TC 4-20MA 0-350C   | 700007134 |

## SFC15 & SFC30

### Assemblies

|                                        |           |
|----------------------------------------|-----------|
| Bottle Assy, 2L Vent Dual Inlet        | 700007676 |
| Bottle Assy, 2L Vent No Inlet Tubing   | 700007675 |
| Cable Assy, Ctrl 2 Pin M To 2 Pin M 6' | 700006884 |
| Cable Assy, Power Supply SFC 10-30     | 700008035 |
| Cable Assy, TC Ext J Type M To M - 6'  | 700006926 |

### Electronics

|                                          |           |
|------------------------------------------|-----------|
| Fuse, 3.15A 5 X 20MM Slow Blow           | 700007253 |
| Fuse, 5AMP 3AG                           | 700006893 |
| Power Strip, 110V 6 Out 15A w/L5-20P 18" | 700006957 |
| Switch, 8-Port 10/100                    | 700008054 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fastener, 10-32 X 1-3/4" SS SHCS         | 700006613 |
| Filter, 1/16" Inline 2 Micron Iso-Prep   | 700008141 |
| Fitting, 1/4" NPT 316 SS Strt Tee 10KPSI | 700007128 |
| Fitting, 1/4" NPT 90 Degree Street Ell   | 700006817 |
| Fitting, 1/4"-28 x 1/8" Tubing KEL-F Nut | 700006708 |

## SFC15 & SFC30

### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/4"MNPT - 1/4" Comp Elbow      | 700007009 |
| Tube, 25 x 100mm Glass                   | 700008196 |
| Tubing, 1/16" O.D. X .007 I.D.- 1.97" SS | 700008090 |
| Tubing, 1/16"OD X 100µm ID x5cm PEEKsil™ | 700007979 |
| Tubing, 1/16"OD X 100µm IDx10cm PEEKsil™ | 700007980 |
| Tubing, 1/16"ODx100µmIDx50cm PEEKsil     | 700007981 |
| Tubing, 1/16"ODx.020"ID 316 SS- 1.97"    | 700008140 |
| Tubing, 1/16" OD X25µm IDx50cm PEEKsil™  | 700007467 |
| Washer, #10x.2"IDx.294"ODx.047"Thk SHCS  | 700006588 |

### Kits

|                               |           |
|-------------------------------|-----------|
| Kit, SFC30 FDM30 Upgrade 110V | 700008027 |
| Kit, SFC30 FDM30 Upgrade 220V | 700008028 |
| Kit, Spare parts SFC-30-MD    | 700008288 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Bottle, 2L GL45 Safety Coated            | 700007669 |
| Cable, RJ45 Cat 5E UTP Patch 3' Yellow   | 700008070 |
| Check Valve, 1/16 15KPSI Inline          | 700007362 |
| Cord, 110V 18 AWG Power Straight End     | 700006895 |
| Heat Exchanger, 1/16"ODx12"HP- 110V 500W | 700007971 |
| Heat Exchanger, 1/16"ODx12"HP- 220V 500W | 700007972 |
| Separator, SFC MD Glass Gas-Liquid Lw-FI | 700008796 |

## SFC 80

### Assemblies

|                                      |           |
|--------------------------------------|-----------|
| Bottle Assy, 20L SFC Waste           | 700008795 |
| Bottle Assy, 2L SFC80 1/8" Inj Waste | 700007671 |
| Bottle Assy, 2L SFC80 Fraction Coll. | 700007670 |
| Cap Assy, Analytical Vent GL-45      | 700008274 |
| Cap Assy, SFC80 FC GL-45             | 700008272 |

## SFC 80

### Assemblies - continued

|                                         |           |
|-----------------------------------------|-----------|
| Cap Assy, SFC80 Inj. Waste GL-45        | 700008273 |
| Manifold Assy, SFC80-4 Vent             | 700008289 |
| Manifold Assy, SFC80-6 Vent             | 700008290 |
| Solenoid Assy, 110V NC 1200PSI          | 700008311 |
| Solenoid Assy, 220V NC 1200PSI          | 700008312 |
| Solenoid Valve Assy, 24VDC 250PSI 3-Way | 700007545 |

### Fittings & Tubing

|                                           |           |
|-------------------------------------------|-----------|
| Filter, Solvent Inlet Line                | 700006678 |
| Fitting, 1/16" V Tee - .25 mm Bore        | 700006633 |
| Fitting, 1/16" Comp Teflon Back Ferrule   | 700007611 |
| Fitting, 1/16" Comp Teflon Front Ferrule  | 700007610 |
| Fitting, 1/16" Comp. Tee Bored for TC     | 700008284 |
| Fitting, 1/16" Mnpt - 1/8" Swag Bt        | 700006651 |
| Fitting, 1/16" Comp Nut                   | 700007146 |
| Fitting, 1/16" F H 1/8" M H Med Pres Rdcr | 700006789 |
| Fitting, 1/2" Comp Ferrule Set Clear PFA  | 700008170 |
| Fitting, 1/2" MNPT X 1/4" MNPT            | 700006669 |
| Fitting, 1/2" NPT SS Plug                 | 700006704 |
| Fitting, 1/4" Comp Union Cross            | 700007783 |
| Fitting, 1/4" FNPT - 1/4" Tube Stub       | 700006842 |
| Fitting, 1/4" MNPT X 1/4" Comp            | 700006654 |
| Fitting, 1/8" Comp Nut                    | 700006636 |
| Fitting, 1/8" Comp. Bulkhead Union        | 700007142 |
| Fitting, 1/8" FNPT - 1/16" MNPT           | 700007582 |
| Fitting, 1/8" FNPT - 1/8" COMP            | 700007583 |
| Fitting, 1/8" V Union                     | 700006642 |
| Fitting, 1/8" X 1/16" V Internal Reducer  | 700006628 |
| Ring, P-50/FDM Piston Seal Peek Backup    | 700006757 |
| Tube, Prep SFC Collection Bottle Inlet    | 700008150 |
| Tube, Prep SFC Collection Bottle Inlet    | 700008150 |

## SFC 80

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, Rbld for Inj & Col Module 2 Pos Vlv | 700007612 |
| Kit, Rbld for Inj & Col Module 2 Pos Vlv | 700007612 |
| Kit, Rbld for Col Module 12 Pos Valve    | 700007615 |
| Kit, SFC80B Modifier Stream Injection    | 700008158 |
| Kit, Spare Parts for SFC 80B Prep. Sys.  | 700007679 |
| Kit, Spare Parts for SFC80 Prep System   | 700007678 |
| Kit, Vent Tubing SFC80 10 Collections    | 700008183 |
| Kit, Vent Tubing SFC80 12 Collections    | 700008184 |
| Kit, Vent Tubing SFC80 4 Collections     | 700008181 |
| Kit, Vent Tubing SFC80 6 Collections     | 700008182 |
| Kit, Vent Tubing SFC80-10 w/ Cap         | 700008268 |
| Kit, Vent Tubing SFC80-12 w/ Cap         | 700008269 |
| Kit, Vent Tubing SFC80-4 w/ Cap          | 700008266 |
| Kit, Vent Tubing SFC80-6 w/ Cap          | 700008267 |

### Miscellaneous

|                                        |           |
|----------------------------------------|-----------|
| Check Valve, 1/4"MNPTx1/4"FNPT 4KPSI   | 700007551 |
| Heat Exchanger,10' LP 1000W-110V       | 700007251 |
| Heat Exchanger, 10'LP 1000W- 220V Int. | 700007252 |
| Label, Caution, Do Not Operate         | 700008693 |
| Solenoid, 2 Way Valve Kit              | 700006892 |
| Valve, 1/8" MNPT Metering              | 700007581 |

## SFC 200

### Assemblies

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, Optical Sensor to Ctrl 120" | 700007609 |
| Cable Assy, Solenoid Drive- 78"         | 700007170 |
| Cap Assy, SFC200/350 FC GL-45           | 700008275 |
| Cap Assy, SFC200/350 Inj. Waste GL-45   | 700008276 |

## SFC 200

### Assemblies - continued

|                                    |           |
|------------------------------------|-----------|
| Solenoid Assy, 110V NC 1200PSI     | 700008311 |
| Solenoid Assy, 220V NC 1200PSI     | 700008312 |
| Solenoid Valve Assy, 3000PSI 3 Way | 700007297 |

### Collection

|                                          |           |
|------------------------------------------|-----------|
| Bottle Assy, 2L SFC200/350 Fract Col     | 700007673 |
| Bottle Assy, SFC200/350 1/16" Inj Waste  | 700007674 |
| Kit, Col Mod 4-6 CV w/MBPR SFC200        | 700008049 |
| Kit, Col Mod 4-6 CV w/MBPR SFC200        | 700008050 |
| Kit, Col Mod 4-6 CV wo MBPR SFC200       | 700008047 |
| Kit, Col Mod 4-6 CV wo MBPR SFC200       | 700008048 |
| Kit, SFC200/350- 4 Collection            | 700008144 |
| Kit, SFC200/350- 6 Collection            | 700008145 |
| Kit, SFC200/350- 7 Collection            | 700008146 |
| Tube, Prep SFC Collection Bottle Inlet   | 700008150 |
| Kit, Vent Tubing SFC200/350 4 Collection | 700008185 |
| Kit, Vent Tubing SFC200/350-4 w/ Cap     | 700008270 |
| Kit, Vent Tubing SFC200/350-6 w/ Cap     | 700008271 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Disc, 10,000PSI 3/16 -9% 72F Rupture     | 700006595 |
| Disc, 10,000PSI 3/16" -9% 72F Rupture CE | 700006596 |
| Fastener, 10-32 X 1/2" SS PPHS           | 700006602 |
| Fastener, 10MM X M8 T-Nut                | 700007136 |
| Fastener, M8 X 16 SS SHCS                | 700007138 |
| Filter, 1/8" HP Inline - .5 Micron       | 700006584 |
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Filter, Power Line 20A 110-220VAC        | 700006942 |
| Filter, Solvent Inlet Line               | 700006678 |
| Fitting, 1/16" Comp. Tee Bored for TC    | 700008284 |

## SFC 200

### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/16" Comp. Union               | 700007177 |
| Fitting, 1/16" R SS Nut - Short          | 700007255 |
| Fitting, 1/16" U Lite-Touch Ferrule Set  | 700007256 |
| Fitting, 1/16" Union V - 0.75mm          | 700006641 |
| Fitting, 1/16" V Tee - .75 mm Bore       | 700006632 |
| Fitting, 1/16" V Tee - 1.00 mm Bore      | 700006634 |
| Fitting, 1/16"Comp Ferrule Set           | 700007145 |
| Fitting, 1/2" COMP - 1/2"MNPT Bored Thru | 700007125 |
| Fitting, 1/2" Comp Ferrule Set Clear PFA | 700008170 |
| FITTING, 1/4" COMP BULKHEAD UNION        | 700007342 |
| Fitting, 1/4" Comp Elbow                 | 700006750 |
| Fitting, 1/4" Comp Ferrule Set           | 700006637 |
| Fitting, 1/4" Comp Nut                   | 700006728 |
| Fitting, 1/4" Comp Union                 | 700006705 |
| Fitting, 1/4" Comp Union Tee             | 700006826 |
| Fitting, 1/4" Comp. Port Connector       | 700007621 |
| Fitting,1/4" MNPT-1/4" Comp Tee          | 700007141 |
| Fitting, 1/4" MNPT X 1/4" Comp           | 700006654 |
| Fitting, 1/4" x 1/8" Comp Reducing Union | 700007343 |
| Fitting, 1/4"FNPT-1/4" Comp. Blkhd Union | 700007140 |
| Fitting, 1/4"MNPT - 1/4" Comp Male Tee   | 700006825 |
| Fitting, 1/8" Comp Ferrule H             | 700006666 |
| Fitting, 1/8" Comp Gln Nut H             | 700006665 |
| Fitting, 1/8" Comp Nut                   | 700006636 |
| Fitting, 1/8" Comp Union                 | 700006923 |
| Fitting, 1/8" MNPT - 1/16" Comp.         | 700007143 |
| Fitting, 1/8" Comp. Bulkhead Union       | 700007142 |
| Fitting, 1/8" L/P B Ferrule              | 700006663 |
| Fitting, 1/8" L/P B Gland Nut            | 700006662 |
| Fitting, 1/8" Mnpt - 1/8" Comp           | 700006664 |
| Fitting, 1/8" MNPT X 1/8" V              | 700006650 |



## SFC 200

### Fittings & Tubing - continued

|                                             |           |
|---------------------------------------------|-----------|
| Fitting, 1/8" V Union                       | 700006642 |
| Fitting, 1/8" X 1/16" V Reducer Union       | 700006626 |
| Fitting, 1/8"FNPT-1/8" Comp. Blkhd Union    | 700007144 |
| Fitting, 1/8"x1/16"Comp Reducing Union      | 700007299 |
| O-RING #041 TEFLON ENCAPSULATED<br>SILICONE | 700007131 |
| O-Ring, #022 Buna                           | 700006921 |
| O-RING, #027 TEFLON                         | 700007417 |
| Ring, P-50/FDM Piston Seal Peek Backup      | 700006757 |
| Rotor, 6 Port/2 POS 1/8 V Valve             | 700006599 |
| Seal, P-200A, GFPM, HVY-Med Spring          | 700006543 |
| Seal, P-200A, UHMW, Hvy- Med Spring         | 700006607 |
| Seal, Prime/Purge Valve Replacement - S     | 700006909 |
| Tubing, 0.516"ODx0.472"IDx120" Corg PTFE    | 700008166 |
| Tubing, 316SS 1/8"ODx.035"WL.x10' Coiled    | 700006955 |
| Washer, M8 SS Split Lock                    | 700007139 |

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, 5x10L 1x20L 200/350 Manifold        | 700008332 |
| Kit, Chk Vlv - 10mL Solv Pump S          | 700006908 |
| Kit, CM shelf for SFC200 and 350         | 700008041 |
| Kit, Modifier Strm Inj Upgrd- SFC200/350 | 700008151 |
| Kit, P-200/350 CO2 Shutoff - 110V        | 700008323 |
| Kit, P-200/350 CO2 Shutoff - 220V        | 700008324 |
| Kit, PM - SFC-200 w/ P-50 Mod Pump       | 700007698 |
| Kit, PM- SFC-200 w/ P-200A Mod Pump      | 700007699 |
| Kit, Shipping P-200B                     | 700007118 |
| Kit, Spare Parts-SFC200 w/P-200 Mod.PMP  | 700007486 |
| Kit, Spare Pts for SFC200 w/ P50 Mod     | 700007485 |
| Kit, Vent Tubing SFC200/350 6 Collection | 700008186 |
| Pump Head Kit, 200ML/Min Titanium        | 700007677 |
| Seal, 10ML Piston Seal Kit - S           | 700006910 |
| Spare Parts P-200                        | 700008298 |

## SFC 200

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Amplifier, 500-750W Servo Repaired       | 700006761 |
| Bottle 2L Safety Ctd, 11.6 PSI           | 700008756 |
| Cap, 1/4" FNPT In x 1/2" FNPT Out NowPak | 700008330 |
| Check Valve, 3/8" Dia 10k PSI, 1/8 Ball  | 700006601 |
| Container, 20L HDPE NowPak without Liner | 700008329 |
| Gauge, 1500 PSI Dampened Rear Mounted    | 700006719 |
| Piston Assy, 10mL solvent pump           | 700007437 |
| Prep Checkout Sample, 500mg ea           | 700008462 |

## SFC350

### Assemblies

|                                            |           |
|--------------------------------------------|-----------|
| Cap Assy, SFC200/350-4, 6 FC GL-45         | 700008275 |
| Cap Assy, SFC200/350-4, 6 Inj. Waste GL-45 | 700008276 |
| Fan Assy, 12V Large                        | 700007044 |
| Pump Head, P350                            | 700006811 |
| Solenoid Assy, 110V NC 1200PSI             | 700008311 |
| Solenoid Assy, 220V NC 1200PSI             | 700008312 |
| Solenoid Valve Assy, 3000PSI 3 Way         | 700007297 |

### Cables

|                                       |           |
|---------------------------------------|-----------|
| Cable Assy, Gnd- 19.00LG. star to QD  | 700006985 |
| Cable Assy, Output CFM To Pump - 5 Ft | 700006687 |
| Cable Assy, Output CFM To Pump- 10 Ft | 700006686 |
| Cable Assy, Solenoid Drive- 78"       | 700007170 |

### Check Valves

|                                          |           |
|------------------------------------------|-----------|
| Check Valve, 1/4" MNPT x 1/4" FNPT 4KPSI | 700007551 |
| Check Valve, 3/8" Dia 10K PSI High Flow  | 700006835 |
| Check Valve, 3/8" Dia 10k PSI, 1/8 Ball  | 700006601 |

## SFC350

### Electronics

|                                      |           |
|--------------------------------------|-----------|
| Amplifier, 500-750W Servo 110/220VAC | 700006760 |
| Amplifier, 500-750W Servo Repaired   | 700006761 |
| Switch, Power Rocker 250V 16A Dpst   | 700006680 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fastener, 10-32 X 1/2" SS PPHS           | 700006602 |
| Fastener, 10MM X M8 T-Nut                | 700007136 |
| Fastener, M8 X 16 SS SHCS                | 700007138 |
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Filter, Solvent Inlet Line               | 700006678 |
| Fitting, 1/16" Comp. Tee Bored for TC    | 700008284 |
| Fitting, 1/16" Ferrule - Out. On S Pump  | 700006964 |
| Fitting, 1/16" R SS Nut - Short          | 700007255 |
| Fitting, 1/16" U Lite-Touch Ferrule Set  | 700007256 |
| Fitting, 1/16" Union V - 0.75mm          | 700006641 |
| Fitting, 1/16"Comp Ferrule Set           | 700007145 |
| Fitting, 1/2" COMP - 1/2"MNPT Bored Thru | 700007125 |
| Fitting, 1/2" Comp Ferrule Set Clear PFA | 700008170 |
| Fitting, 1/4" Comp Elbow                 | 700006750 |
| Fitting, 1/4" Comp Ferrule Set           | 700006637 |
| Fitting, 1/4" Comp Nut                   | 700006728 |
| Fitting, 1/4" Comp Union                 | 700006705 |
| Fitting, 1/4" FNPT X 1/8" V              | 700006646 |
| Fitting, 1/4" MNPT - 1/4" Comp. Tee      | 700007141 |
| Fitting, 1/4" MNPT X 1/2" Comp PFA Elbow | 700007990 |
| Fitting, 1/4" MNPT X 1/4" Comp           | 700006654 |
| Fitting, 1/4" MNPT X 1/8" V              | 700006647 |
| Fitting, 1/4"FNPT-1/4" Comp. Blkhd Union | 700007140 |
| Fitting, 1/4"MNPT - 1/4" Comp Male Tee   | 700006825 |
| Fitting, 1/8" Comp Ferrule H             | 700006666 |
| Fitting, 1/8" Comp Glnd Nut H            | 700006665 |

## SFC350

### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/8" Comp Nut                   | 700006636 |
| Fitting, 1/8" Comp Union                 | 700006923 |
| Fitting, 1/8" Comp. Bulkhead Union       | 700007142 |
| Fitting, 1/8" L/P B Ferrule              | 700006663 |
| Fitting, 1/8" L/P B Gland Nut            | 700006662 |
| Fitting, 1/8" MNPT - 1/16" Comp.         | 700007143 |
| Fitting, 1/8" Mnpt - 1/8" Comp           | 700006664 |
| Fitting, 1/8" MNPT X 1/8" V              | 700006650 |
| Fitting, 1/8" V Ferrule                  | 700006630 |
| Fitting, 1/8" V Nut                      | 700006629 |
| Fitting, 1/8" V Union                    | 700006642 |
| Fitting, 1/8" X 1/16" V Reducer Union    | 700006626 |
| Fitting, 1/8"FNPT-1/8" Comp. Blkhd Union | 700007144 |
| Fitting, 1/8"x1/16"Comp Reducing Union   | 700007299 |
| Fitting, Rupture Disc Housing 1/4" Disc  | 700006538 |
| Holder, 3/8" Dia. 1/2"-28x1/8 V Chk Vlv  | 700006667 |
| O-RING #041 TEFLON ENCAPSULATED SILICONE | 700007131 |
| O-Ring, #022 Buna                        | 700006921 |
| O-Ring, #111 Virgin Teflon               | 700006793 |
| Ring, P-350 Piston Seal Peek Backup      | 700006813 |
| Ring, P-50/FDM Piston Seal Peek Backup   | 700006757 |
| Seal, Prime/Purge Valve Replacement - S  | 700006909 |
| Tubing, 1/8"ODx.020"WLx10' 316SS         | 700006956 |
| Valve, Needle 3 Way 1/8" A Fittings      | 700006549 |
| Washer, M8 SS Split Lock                 | 700007139 |

### Heat Exchangers

|                                          |           |
|------------------------------------------|-----------|
| Heat Exchanger, 1/8"ODx20' HP 500W- 110V | 700007999 |
| Heat Exchanger, 1/8"x20'HP 500W - 220V   | 700008001 |
| Heat Exchanger, 1/8"x20'HP 500W - 220V   | 700008000 |
| Heat Exchanger, 21' HP 2000W - 220V      | 700007929 |
| Heat Exchanger, 21' HP 2000W- 220V       | 700007928 |

## SFC350

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, 5x10L 1x20L 200/350 Manifold        | 700008332 |
| Kit, Chk Vlv - 10mL Solv Pump S          | 700006908 |
| Kit, CM shelf for SFC200 and 350         | 700008041 |
| Kit, Col Mod 4-6 CV w/MBPR Dom SFC350    | 700008045 |
| Kit, Col Mod 4-6 CV w/MBPR SFC350        | 700008046 |
| Kit, Col Mod 4-6 CV wo MBPR SFC350       | 700008043 |
| Kit, Col Mod 4-6 CV wo MBPR SFC350       | 700008044 |
| Kit, P-200/350 CO2 Shutoff - 110V        | 700008323 |
| Kit, P-200/350 CO2 Shutoff - 220V        | 700008324 |
| Kit, PM - SFC-350 w/ P-50 Mod Pump       | 700007700 |
| Kit, Preventative Maintenance - P-350    | 700007689 |
| Kit, SFC200/350- 4 Collection            | 700008144 |
| Kit, SFC200/350- 6 Collection            | 700008145 |
| Kit, SFC200/350- 7 Collection            | 700008146 |
| Kit, Spare Parts P-350                   | 700008299 |
| Kit, Spare Parts SFC350 w/ P-50 Modifier | 700007487 |
| Kit, Spare Parts-SFC350 w/P-200 Mod.PMP  | 700007488 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Cap, 1/4" FNPT In x 1/2" FNPT Out NowPak | 700008330 |
| Container, 20L HDPE NowPak without Liner | 700008329 |
| Disc, 10,000PSI 3/16" -9% 72F Rupture    | 700006595 |
| Disc, 10,000PSI 3/16" -9% 72F Rupture CE | 700006596 |
| DISC, 1500PSI 1/4MNPT RUPTURE FOR 03247  | 700007393 |
| Gauge, 1500 PSI Dampened Rear Mounted    | 700006719 |
| Keystock, 3/16" Square SS X 1.375        | 700007046 |
| Plate, Sprocket, 9.52MM 10K              | 700006611 |
| Prep Checkout Sample, 500mg ea           | 700008462 |
| Rotor, 6 Port/2 POS 1/8 V Valve          | 700006599 |
| Seal, P-350 Pump UHMW                    | 700006804 |

## SFC350

### Miscellaneous - continued

|                                      |           |
|--------------------------------------|-----------|
| Seal, P-350, GFPM, Pump Piston       | 700007099 |
| Sprocket, Camshaft 9.52MM 10K        | 700006610 |
| Valve, 1/4"MNPT 38-140PSI Pop Relief | 700007617 |
| Wick, Oil - P-200A/P-350             | 700006911 |

## AGILENT AUTOSAMPLER

### Components

|                                       |           |
|---------------------------------------|-----------|
| Ferrule, Agilent, PK=10               | 700008379 |
| Piston, Agilent Dual Loop Sampler     | 700008160 |
| Remote start cable, 1100 VWD          | 700008435 |
| Rotor, Ag 10-Port Injection           | 700008060 |
| Rotor, Ag 6-Port 3-Groove 600 Bar     | 700008006 |
| Seal, Piston for Agilent Dual Loop AS | 700008159 |

## ALCOTT AUTOSAMPLER

### Components

|                                        |           |
|----------------------------------------|-----------|
| Alcott a/s dual plate w/upgrade        | 700008768 |
| Alcott a/s edge conn [brown]           | 700008771 |
| Alcott a/s edge conn [white]           | 700008772 |
| Alcott a/s rear panel                  | 700008770 |
| Alcott a/s shld gskt 9pin dsub         | 700008773 |
| Alcott a/s user I/O board              | 700008769 |
| Belt, Alcot 719D X Axis                | 700008802 |
| Belt, Alcot 719D Y Axis                | 700008803 |
| Kit, Alcott Autosampler Upgrade        | 700008259 |
| Screw PH PHIL 6-32x3/8 SS              | 700008393 |
| Supply, Pwr Alcott Sampler, 110/220VAC | 700008225 |
| Tray, Alcott ALS Dual Plate            | 700007984 |
| Washer star int tooth #6               | 700008774 |

## ALIAS AUTOSAMPLER

### Components

|                                          |           |
|------------------------------------------|-----------|
| Plate, Alias 48 Vial Well                | 700008073 |
| Rotor, for Alias Sampler                 | 700008068 |
| Rotor, V Int Loop Endur/Alias Petro Cnfg | 700008162 |
| Station, Wash for Alias, incl screws     | 700008077 |
| Stator, for Alias Sampler                | 700008069 |
| Syringe Tip, Alias 500uL 10pk            | 700008075 |
| Syringe, Alias autosampler 2.5mL         | 700008191 |
| Syringe, Alias autosampler 500uL         | 700008076 |
| Tubing, 1000µL Alias Buffer w/Fittings   | 700008074 |
| Valve, Alias syringe, includes bushing   | 700008078 |

### Needles

|                                           |           |
|-------------------------------------------|-----------|
| Kit, Alias 2.5mL Prep Syringe             | 700008194 |
| Kit, Reblid 2 Pos Titan Vlv w/ Peek Rotor | 700008245 |
| Needle, Alias autosampler, air Prep       | 700008193 |
| Needle, Alias autosampler, air standard   | 700008056 |
| Needle, Alias autosampler, sample         | 700008055 |
| Needle, Alias Prep 60µL Syringe           | 700008192 |

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 3100 & 2998 Trigger- Alias   | 700007720 |
| Cable Assy, MS 3100 Trigger from Alias   | 700007718 |
| Cable Assy, X5 MS Inj.Trigger from Alias | 700008820 |
| Cable Assy, ZQ & 2996 Trigger from Alias | 700007723 |
| Cable Assy, ZQ & 2998 Trigger from Alias | 700007726 |

## BOHDAN ROBOT

### Components

|                                         |           |
|-----------------------------------------|-----------|
| Board Assy, driver for Bohdan Robot     | 700008256 |
| Supply, 5.5 VDC for use in Bohdan Robot | 700008255 |

## ENDURANCE AUTOSAMPLER

### Components

|                                            |           |
|--------------------------------------------|-----------|
| Belt, Endurance Needle Drive               | 700007745 |
| Flex PCB, with Motor for Endurance         | 700007831 |
| Kit, Endurance 7739 Valve Rebuild          | 700007534 |
| Needle, Endurance Sample Large Bore        | 700007543 |
| Needle, Endurance AS Pre-Puncturing        | 700007546 |
| Needle, Endurance AS Sample Sm Bore 5uL    | 700007544 |
| NEEDLE, Endurance Autosampler Sample       | 700007542 |
| Plate, Endurance 384 shallow well          | 700007714 |
| Plate, Endurance 96 deep well              | 700007712 |
| Plate, Endurance 96 shallow well           | 700007713 |
| Plate, Endurance, 48 Vial Well             | 700007711 |
| Plate, Holder Assy for non-Cooled Endur.   | 700007447 |
| ROTOR, Endurance Injection and ISS Valve   | 700007448 |
| Seal Washer, PTFE .070ID- Endur Syringe    | 700007962 |
| Stator, Endurance Inject and ISS Valve     | 700007449 |
| Syringe Tip, Endurance 250uL               | 700007453 |
| Syringe Tip, Endurance Autosampler 100uL   | 700008220 |
| Syringe, Endurance 1000µL Glass            | 700007369 |
| Syringe, Endurance 100uL Glass             | 700007370 |
| Syringe, Endurance 10mL Glass              | 700007372 |
| Syringe, Endurance 250µL Glass             | 700007368 |
| Syringe, Endurance/Alias 500µL Glass       | 700007371 |
| Tubing, 15mL Endurance Buffer w/Fittings   | 700007557 |
| Tubing, 2000uL Endurance Buffer w/Fittings | 700007556 |
| Tubing, 500uL Endurance Buffer w/Fittings  | 700007555 |



## ENDURANCE AUTOSAMPLER

### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 3100 & 2998 Trigger- Endur.  | 700007719 |
| Cable Assy, 3100 Trigger from Endurance  | 700007727 |
| Cable Assy, Column Switch Trigger- Endur | 700007830 |
| Cable Assy, ZQ & 2996 Trigger- Endurance | 700007721 |
| Cable Assy, ZQ & 2998 Trigger- Endurance | 700007724 |
| Cable Assy, ZQ Trigger from Endurance    | 700007715 |

### Miscellaneous

|                                    |           |
|------------------------------------|-----------|
| Flex PCB, with Motor for Endurance | 700007831 |
| Spindle Assy, Endurance Syringe    | 700008257 |

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Endur.100µL w/Buffer & SB Needle         | 700007645 |
| Endurance 100µL Syringe w/Buffer         | 700007640 |
| Endurance 1000µL Syringe w/Buffer        | 700007643 |
| Kit, Endurance 10mL Syringe w/Buffer     | 700007644 |
| Endurance 250uL Syringe w/Buffer         | 700007641 |
| Endurance 500µL Syringe w/Buffer         | 700007642 |
| Rotor, V Int Loop Endur/Alias Petro Cnfg | 700008162 |

## LEAP AUTOSAMPLER

### Components

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, MS 3100 Trigger from Leap   | 700007717 |
| Cable Assy, MS ZQ Trigger from Leap     | 700007716 |
| Cable Assy, ZQ & 2996 Trigger from Leap | 700007722 |
| Cable Assy, ZQ & 2998 Trigger from Leap | 700007725 |
| Holder, LEAP HTC Sampler 2.5 ml Plunger | 700007978 |
| Holder, LEAP HTC Sampler 5.0 ml Plunger | 700007936 |
| Syringe, 1.0mL Holder/Adptr LEAP HTC AS | 700007965 |

## LEAP AUTOSAMPLER

### Components - continued

|                                         |           |
|-----------------------------------------|-----------|
| Syringe, 100µL for LEAP HTC Sampler     | 700008071 |
| Syringe, 100L Holder/Adapter HTC AS     | 700008138 |
| Syringe, 1mL for LEAP HTC Sampler       | 700007966 |
| Syringe, 2.5mL for LEAP HTC Sampler     | 700007946 |
| Syringe, 2.5mL Holder/Adptr LEAP HTC AS | 700007945 |
| Syringe, 5mL for LEAP HTC Sampler       | 700007937 |
| Syringe, 5mL Holder/Adptr LEAP HTC AS   | 700007935 |

## WATERS INJECTION MODULE

### Components

|                                          |           |
|------------------------------------------|-----------|
| Board Assy, 2 Pos TitanHT Level Logic    | 700007833 |
| Board Assy, Multiple Actuator Interface  | 700007837 |
| Bracket, IM Solenoid Valve Mounting      | 700007752 |
| Fastener, 2-56 X 1/8" SS PFHS            | 700007757 |
| Kit, IM Solenoid Upgrade Kit             | 700007750 |
| Kit, Injection Module Vent Line Upgrade  | 700008153 |
| Solenoid Valve Assy, 24 VDC 100 PSI 3Way | 700007751 |
| Stator, for Inj & Col Mod 2 Pos Titan    | 700007959 |

## AUTOSAMPLER CONSUMABLES

### Loops

|                        |           |
|------------------------|-----------|
| 1.0 mL R Sample        | 700007569 |
| 10µL R Sample          | 700007576 |
| 100uL R Sample         | 700007572 |
| 2.0mL R Sample         | 700007570 |
| 200uL R Sample         | 700007573 |
| 5.0mL R Sample         | 700007571 |
| 5µL R Sample           | 700007575 |
| 500uL R Sample         | 700007574 |
| Syringe, reag. 10.0 mL | 700008384 |

## MISTRAL OVEN

### Components

|                                         |           |
|-----------------------------------------|-----------|
| Board Assy, Mistral IO                  | 700008228 |
| CABLE ASSY, MISTRAL VALVE CONTROL - 36  | 700007376 |
| Jumper, For .38" Terminal Block         | 700007498 |
| Motor, circulating for Mistral Oven     | 700008227 |
| Oven, Mistral w/ Column Selector Valve  | 700007348 |
| Oven, Mistral w/ Selector Vlv & Cooling | 700007349 |
| Rotor, Mistral Selector Valve, 6 Port   | 700007450 |
| Stator, Mistral Selector Valve, 6 Port  | 700007451 |

## COLUMN OVEN

### Assemblies

|                                         |           |
|-----------------------------------------|-----------|
| Board Assy, Column Oven AP Hall Effect  | 700008065 |
| Board Assy, Multiple Actuator Interface | 700007837 |
| Board Assy, Valco Initialization        | 700008794 |
| PLC ASSY, 2 TC CARDS, COLUMN OVEN       | 700007888 |

### Cables

|                                        |           |
|----------------------------------------|-----------|
| Cable Assy, Column Oven AP PLC Intf.   | 700007847 |
| Cable Assy, Column Oven AP Pwr. Input  | 700007851 |
| Cable Assy, Column Oven AP Pwr. Output | 700007845 |
| Cable Assy, relay to PLC               | 700007849 |
| Cable Assy, RJ11 to DB15M For Display  | 700007879 |
| Cable Assy, RJ11 to DB9F For PLC- 10   | 700007166 |
| Cable Assy, RJ11 to DB9F For PLC- 25   | 700007168 |
| Cable Assy, RL1 pin 3 to RL2 pin 3     | 700007848 |
| Cable, 18 inch 26 Cond Ribbon F-F Sckt | 700007735 |

## COLUMN OVEN

### Electronics

|                                         |           |
|-----------------------------------------|-----------|
| Card, 4 Channel TC for DL-06 PLC        | 700007803 |
| Fuse Drawer, 5 X 20MM Dual (220V)       | 700006529 |
| Display, C-More Micro Touchscreen       | 700007801 |
| Fan, 24 VDC 7.2 W 92 X 25mm FBA Hydro   | 700007854 |
| Fuse Drawer, 1/4" X 1.25" Single        | 700006531 |
| Fuse, 4 Amp 5X20MM Slow Blow- 250V      | 700008139 |
| Fuse, 6 Amp 1/4" X 1-1/4" GLS Slow Blow | 700006520 |
| Heater, Strip 120 VAC 500W              | 700007748 |
| Heater, Strip 240 VAC 500W              | 700007749 |
| Jumper, For .38" Terminal Block         | 700007498 |
| Module, Dual Fuse Power - 110V/220V 7A  | 700006797 |
| PLC, 20 DC In/16 Sink Out               | 700007320 |
| Power Supply, 24VDC 6A Output 85-264VAC | 700007112 |
| Relay, AC 240V 25A Optical              | 700006528 |
| Thermocouple, J Type 1/8" X 2-1/2       | 700006534 |
| Thermocouple, Self Adhesive J Type      | 700007147 |
| Transformer, Pwr 115/230V 50/60Hz 130VA | 700007802 |

### Fittings & Tubing

|                                         |           |
|-----------------------------------------|-----------|
| Fastener 6-325/16"W 7/64"H 18-8 SS Nut  | 700006583 |
| Fastener, 10-32 SS K-Lock Nut           | 700006677 |
| Fastener, 6-32 X .25 SS PPHS            | 700006581 |
| Fastener, 8-32 SS Hex Nut               | 700006578 |
| Fitting, 1/16" Union V - 0.75mm         | 700006641 |
| Fitting, 1/16" V Bulkhead Union- .25mm  | 700007732 |
| Fitting, 1/16" V Ferrule                | 700006822 |
| Fitting, 1/16" V Long Nut               | 700006713 |
| Fitting, 1/16" V Nut                    | 700006643 |
| Tie Wrap, Small (4 Inch)                | 700006592 |
| Tube, .50"ODx.375"IDx1.5"L Hi Temp Poly | 700008230 |
| Tubing, 1/16" OD x .040" ID SS - 30cm   | 700008293 |
| Tubing, 1/16"ODx.010"ID 316 SS- 12.00"  | 700007402 |

## COLUMN OVEN

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Blower, Grainger 4C940                   | 700007790 |
| Chain, Ball Type 304 SS, #10 Trade Size  | 700007976 |
| Coupling, 304SS Sz 8-10 Round Ball Chain | 700007977 |
| Flag, Column Oven Door Opening           | 700007813 |
| Foot, 1"OD Syringe Pump                  | 700006701 |
| Gas Sensor, Figaro TGS 822               | 700007736 |
| Gasket, 1/2"Wx1/4"Thk Sili. Rubber Bulb  | 700007968 |
| Gasket, Column Oven AP Blower            | 700008211 |
| Gasket, Column Oven AP Magnetic          | 700008081 |
| Guard, 92mm Square Plastic Fan           | 700007741 |
| Latch, Flush Mount Paddle                | 700007279 |
| Magnet, 2 Pole, 1"Lx.813"Wx.313"Thk      | 700008064 |
| Tape, 2" Foil                            | 700007496 |
| Terminal Strip, 6 Row                    | 700006709 |

### Valves

|                                         |           |
|-----------------------------------------|-----------|
| Rotor, V Switching Vlv 10 Port Analyt   | 700007993 |
| Rotor, V Switching Vlv 6 port Prep Oven | 700007994 |
| Stator, 10 Port Column Switching Valve  | 700007995 |
| Stator, V 6 Port Column Switching Valve | 700007996 |
| Valve, 10 Pos 6KPSI .01" bore w/Ctrlr   | 700007991 |
| Valve, 10 Pos 6KPSI .016"Bore w/Ctrlr   | 700007838 |
| Valve, 6 pos 6Kpsi .030" w/ ctrl        | 700007992 |

### Additional Oven Cables

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, Band Heater                 | 700006986 |
| Cable Assy, Column Oven AP Ext. Temp.   | 700008133 |
| Cable Assy, Column Oven AP High Voltage | 700007858 |
| Cable Assy, Column Oven AP High Voltage | 700007859 |
| Cable Assy, Column Oven AP High Voltage | 700007860 |

## COLUMN OVEN

### Additional Oven Cables - continued

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Column Oven AP High Voltage  | 700007861 |
| Cable Assy, Column Oven AP High Voltage  | 700007862 |
| Cable Assy, Column Oven AP High Voltage  | 700007863 |
| Cable Assy, Column Oven AP High Voltage  | 700007864 |
| Cable Assy, Column Oven AP High Voltage  | 700007865 |
| Cable Assy, Column Oven AP High Voltage  | 700007866 |
| Cable Assy, Column Oven AP High Voltage  | 700007867 |
| Cable Assy, Column Oven AP High Voltage  | 700007869 |
| Cable Assy, Column Oven AP High Voltage  | 700007870 |
| Cable Assy, Column Oven AP High Voltage  | 700007871 |
| Cable Assy, Column Oven AP High Voltage  | 700007874 |
| Cable Assy, Column Oven AP low voltage   | 700007901 |
| Cable Assy, Column Oven AP low voltage   | 700007902 |
| Cable Assy, Column Oven AP low voltage   | 700007905 |
| Cable Assy, Column Oven AP low voltage   | 700007906 |
| Cable Assy, column oven power output     | 700007844 |
| Cable Assy, External control output      | 700007880 |
| Cable Assy, External control output      | 700007881 |
| Cable Assy, External control output      | 700007882 |
| Cable Assy, External control output      | 700007883 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.   | 700006754 |
| Cable Assy, Gnd- Star To QD- 8.00" Lg.   | 700006755 |
| Cable Assy, Ground - 7.25 Lg.            | 700006978 |
| Cable Assy, Hall Sensor Feedback         | 700008134 |
| Cable Assy, Heat Ctrl Out 18"Blk 31" Red | 700006899 |
| Cable Assy, Hydrocarbon Sensor- INTF Bd  | 700007852 |
| Cable Assy, Optical sensor               | 700007843 |
| Cable Assy, Oven HV Single Conductor     | 700007868 |
| Cable Assy, Oven HV Single Conductor     | 700007872 |
| Cable Assy, Oven HV Single Conductor     | 700007873 |

## COLUMN OVEN

### Additional Oven Cables - continued

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Oven HV Single Conductor     | 700007875 |
| Cable Assy, Oven HV Single Conductor     | 700007857 |
| Cable Assy, Oven Input Common            | 700007877 |
| Cable Assy, Oven Interface Board to PLC  | 700007846 |
| Cable Assy, Oven low voltage             | 700007903 |
| Cable Assy, Oven Output Common           | 700007878 |
| Cable Assy, Oven Power Supply Input      | 700007850 |
| Cable Assy, Oven, low voltage            | 700007904 |
| Cable Assy, TC Internal Pnl Mnt-12"      | 700006851 |
| Cable Assy, Thermostat with Lead Ext.    | 700008083 |
| Cable Assy, Thermostat with Lead Ext.    | 700008084 |
| Cable Assy, Valco Initialization Comm.   | 700008821 |
| Cable Assy, Valco Initialization Trigger | 700008822 |
| Cable, RS232 DB9M - DB9F 3M              | 700006516 |
| Cord, 110V 18 AWG Power Straight End     | 700006895 |
| Cord, 220V AC 3 X 1.5MM 16AMP Power      | 700006509 |

## HEATER

### Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Heater Assy, 110V 150W 1.875ID 6"L w/TC  | 700007240 |
| Heater Assy, 110V 150W 1.875ID 6"L No TC | 700007241 |
| Heater Assy, 220V 150W 1.875ID 6"L No TC | 700007243 |
| Heater Assy, 220V 150W 1.875ID 6"L w/TC  | 700007242 |
| Heater Assy, 3-.125Dia 1.5"L 30W 120V    | 700007025 |
| Heater Assy, 3-.125Dia 2.0"L 30W 240V    | 700007026 |
| Heater Assy, 4 EA 50W 1/4" Cartridge     | 700007218 |
| Heater Assy, 4-.25Dia 2.5"L 250W 240V    | 700007024 |
| Heater Assy, Band 2"l.DX2.5"L 120V 500W  | 700006967 |
| Heater Assy, Band 2"l.DX2.5"L 220V 500W  | 700006968 |

## HEATER

### Assemblies - continued

|                                          |           |
|------------------------------------------|-----------|
| Heater Assy, Band 3"l.DX2.5"L 120V 500W  | 700006969 |
| Heater Assy, Band 3"lDX2.5"L 220V 500W   | 700006970 |
| Heater Assy, Band 3"lDX7"L 220V 500W     | 700006971 |
| Heater Assy, Band 4.5"l.DX4"L 120V 500W  | 700006972 |
| Heater Assy, Band 4.5"lDX12"L 220V 1000W | 700006975 |
| Heater Assy, Band 4.5"lDX4"L 220V 500W   | 700006973 |
| Heater Assy, Band 4.5"lDX6.5" 220V 1000W | 700006974 |
| Heater Assy, Band 6"l.DX12"L 240V 2000W  | 700007003 |

### Bands

|                                          |           |
|------------------------------------------|-----------|
| Heater, Band 2"lD X 2.5"W 500W 220V      | 700006948 |
| Heater, Band 2"lDx6"W 150W 110V w/TH Fus | 700007220 |
| Heater, Band 2"lDx6"W 150W 220V w/TH Fus | 700007221 |
| Heater, Band 2lDx6"W 150W 110V w/TH Fuse | 700007222 |
| Heater, Band 2lDx6"W 150W 220V w/TH Fuse | 700007223 |
| Heater, Band 3"lD X 2.5"W 500W 120V      | 700006949 |
| Heater, Band 3"lD X 2.5"W 500W 220V      | 700006950 |
| Heater, Band 3"lD X 7"W 500W 220V        | 700006951 |
| Heater, Band 4.5"lD X 12"W 1000W 220V    | 700006954 |
| Heater, Band 4.5"lD X 4"W 500W 220V      | 700006952 |
| Heater, Band 4.5"lD X 6.5"W 1000W 220V   | 700006953 |
| Heater, Band 6"l.D X 12"L 2000W 240V     | 700007008 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Cord Grip, 1/2"Mnpt/.25-.38 Alum         | 700006707 |
| Fuse, 7 Amp 13/32" X 1-1/2" Baf Style    | 700006977 |
| Heater Cartridge, .125"DlAx2"L 30W 240V  | 700007032 |
| Heater Cartridge, 1/8"Diameter 24V 20W   | 700006711 |
| Heater, Cartridge 1/4" Diameter 120V 50W | 700007215 |
| Heater, Solenoid Update Kit - 110V       | 700007638 |
| Heater, Solenoid Update Kit - 220V       | 700007639 |



## HEATER

### Miscellaneous - continued

|                                          |           |
|------------------------------------------|-----------|
| POWER SUPPLY, DESKTOP 24V 72W            | 700007636 |
| Relay Box Assy, Low Voltage DC           | 700007637 |
| Thermocouple, J Type 1/16" X 2-1/2       | 700006695 |
| Thermometer, 1/4"Npt 6" Stem             | 700006726 |
| Tubing, 316SS 1/8"ODx.035"WL.x10' Coiled | 700006955 |

## HEAT EXCHANGER

### Components

|                                          |           |
|------------------------------------------|-----------|
| Connector, J-Type Panel Mnt F w/ Nut     | 700006518 |
| Fitting, 1/8" V Bulkhead Union           | 700006638 |
| Fuse Holder, 30Amp 2 Pole                | 700006916 |
| Fuse, 1.0Amp 5 X 20mm Fast Blow          | 700006854 |
| Fuse, 12Amp 13/32" X 1-1/2" Baf Style    | 700006917 |
| Fuse, 3 Amp 13/32" X 1-1/2" BAF Style    | 700007159 |
| Heat Exchanger Assy, CPVC 10' 10KPSI     | 700006865 |
| Heat Exchanger Assy, CPVC 10' 6KPSI      | 700006861 |
| Heat Exchanger Assy, CPVC 20' 10KPSI     | 700006864 |
| Heat Exchanger Assy, CPVC 20' 3KPSI- FDM | 700006863 |
| Heat Exchanger Assy, CPVC 20' 6KPSI- Sys | 700006862 |
| Heat Exchanger, 1/16"ODx12"HP- 110V 500W | 700007971 |
| Heat Exchanger, 1/16"ODx12"HP- 220V 500W | 700007972 |
| Heat Exchanger, 1/16"ODx6"HP- 110V 500W  | 700008057 |
| Heat Exchanger, 1/16"ODx6"HP 220V 500W   | 700008058 |
| Heat Exchanger, 1/8"x20' HP- 110V 1000W  | 700006874 |
| Heat Exchanger, 1/8x20'HP 220V 1000W C14 | 700006875 |
| Heat Exchanger, 1/8x20'HP 220V 1000W Int | 700006876 |
| Heat Exchanger, 10' LP 1000W - 110V      | 700007251 |
| Heat Exchanger, 10'LP 1000W- 220V Int.   | 700007252 |
| Heat Exchanger, 3/4"FNPT Tubex1/2"FNPT   | 700007892 |
| Heat Exchanger, 3/4"FNPT Tubex1/2"FNPT   | 700008125 |
| Heat Exchanger, Dual 1/8"x7"HP 110V 1KW  | 700008059 |

## BACK PRESSURE REGULATOR (ABPR/MBPR)

### Assemblies

|                                         |           |
|-----------------------------------------|-----------|
| Board Assy, LED                         | 700006751 |
| BPR, 0-10,000PSI w/ 1/4NPT Port         | 700006806 |
| BPR, 0-2000PSI w/ 1/4"FNPT Peek         | 700006857 |
| BPR, 0-250PSI w/ 1/4"FNPT Teflon        | 700006870 |
| BPR, 0-4000 PSI w/1/4"NPT Port          | 700006805 |
| Connector Assy, RJ11-DB9M Standard      | 700006900 |
| Diaphragm, MBPR BP3 0-250psi            | 700007554 |
| Needle, 1° TiN Ctd 316CW ABPR Vlv - Std | 700007500 |
| Needle, 1° TiN Ctd 440 ABPR Vlv         | 700007501 |
| Needle, 2° 316 SS Pt Plated ABPR-200    | 700008887 |
| Needle,1° 316 SS Pt Plated ABPR20       | 700008883 |
| Pressure Trans Assy, Flow Thru          | 700007466 |
| Temperature Compensator Assembly        | 700006881 |
| Thermocouple Assy, 2" w/7" Cable        | 700007036 |
| Valve Assy, 10KPSI .063 V ABPR          | 700007472 |
| Valve Assy, 10KPSI .063 V ABPR, 2°      | 700007473 |

### Boards

|                                      |           |
|--------------------------------------|-----------|
| Board Assy, Combo                    | 700006815 |
| Board Assy, Combo - BPR              | 700007101 |
| Board Assy, DC Motor Drive BPR-C     | 700007102 |
| Board Assy, LED                      | 700006751 |
| Coupler, 1/4" - 1/4" Clamp On        | 700006606 |
| Encoder Kit, Motor Inc: Wheel Module | 700006504 |
| PLC Assy, 2-40mA Cards Relay Output  | 700007465 |
| Relay, 60VDC - 5AMP Panel Mount      | 700006514 |

### Cables

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, External Heat Control BPR-C | 700007113 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.  | 700006754 |
| Cable Assy, Heat Cntrl BPR-C            | 700007109 |

## BACK PRESSURE REGULATOR (ABPR/MBPR)

### Cables - continued

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Heaters BPR-C                | 700007106 |
| Cable Assy, Internal Temp- 7.00" Lg.     | 700006904 |
| Cable Assy, LED Drive - 20"              | 700007115 |
| Cable Assy, Motor Cntrl BPR-C            | 700007103 |
| Cable Assy, Optical Encoder - 18 Inches  | 700006845 |
| Cable Assy, Power Supply Input           | 700007105 |
| Cable Assy, Power Supply Output BPR-C    | 700007104 |
| Cable Assy, Pres. Transducer Int. BPR-C  | 700007110 |
| Cable Assy, Pressure Transducer BPR-C    | 700007107 |
| Cable Assy, Primary Int. Temp- 10.00" Lg | 700006903 |
| Cable, RS232 DB9M - DB9F 3M              | 700006516 |
| Connector, J-Type Panel Mnt F w/ Nut     | 700006518 |
| Thermocouple Assy, 2" w/7" Cable         | 700007036 |

### Fittings & Tubing

|                                        |           |
|----------------------------------------|-----------|
| Fastener, 4-40 X 3/8" Steel TORX Plus  | 700007161 |
| Fastener, 6-32 1"L 18-8 SS SHS         | 700006585 |
| Fastener, 6-32 X .25 SS PPHS           | 700006581 |
| Fitting, 1/16" V Ferrule               | 700006822 |
| Fitting, 1/16" V Nut                   | 700006643 |
| Nut, Locking Bracket .562 Hex          | 700007471 |
| Ring, BP66 MBPR Seal Peek Backup       | 700006880 |
| Tie Wrap, Small (4 Inch)               | 700006592 |
| Tubing, 1/16"ODx.010"ID 316 SS- 4.25"  | 700007410 |
| Washer, #6x.156"IDx.312"ODx.027"Thk SS | 700006683 |
| Washer, #8x11/64"IDx3/8"ODx.032"THK SS | 700006586 |
| Washer,B Micrometering Valve Pack PEEK | 700006913 |
| Washer,T Micrometering Valve Pack      | 700006919 |
| Washer,Tef Micrometering Valve Pack    | 700006914 |

## BACK PRESSURE REGULATOR (ABPR/MBPR)

### Miscellaneous

|                                       |           |
|---------------------------------------|-----------|
| Coupler, 1/4" - 1/4" Clamp On         | 700006606 |
| Foot, Rubber                          | 700006935 |
| Fuse, 1.6Amp 5 X 20MM Slow Blow       | 700006831 |
| Grease, Lithium White with Teflon     | 700007163 |
| Grease, Molybdenum-disulfide 3oz tube | 700007475 |
| Kit, 110V Shipping BPR REV. B         | 700006823 |
| Kit, 220V Shipping BPR REV. B         | 700006824 |
| Lock Device, Hex                      | 700007470 |
| Nut, .125 B ABPR Seat Retaining       | 700007444 |
| Plate Motor, BPR-C 20 AND 200         | 700005518 |
| Pres Trans, 1/4"MNPT - 10,000         | 700006821 |
| Switch, Lighted Green Selector        | 700007148 |
| Tape, 1/2" Wide Mil Grade Teflon      | 700006618 |
| Valve, Micrometering, 15KPSI BPR-C    | 700007111 |

### PM Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, ABPR Rbld with 1 Degree Taper       | 700007374 |
| Kit, ABPR Rbld, W/ 2 Degree Taper        | 700007445 |
| Kit, MBPR BP3 Seat/Seal                  | 700007553 |
| Kit, MBPR Diaphragm Assy for 04545       | 700007734 |
| Kit, Preventative Maintenance - ABPR-20  | 700007692 |
| Kit, Preventative Maintenance - ABPR-200 | 700007693 |
| Kit, Rebuild for ABPR-20 w/1 Deg. Taper  | 700007446 |
| Kit, Seat/Seal Teflon for 04100 BPR      | 700007205 |

### Power Supplies

|                                        |           |
|----------------------------------------|-----------|
| Connector Assy, RJ11-DB9F Standard     | 700006523 |
| Connector, 2 Post Jumper               | 700006507 |
| Cord, 110V, 13A Power, 24              | 700007119 |
| Module, Dual Fuse Power - 110V/220V 7A | 700006797 |
| Motor Assy, DC 127:1 BPR-C             | 700007108 |

## BACK PRESSURE REGULATOR (ABPR/MBPR)

### Power Supplies - continued

|                                         |           |
|-----------------------------------------|-----------|
| Motor, 24VDC 127:1 Gears 1.50"L Shaft   | 700007100 |
| Power Supply, 24VDC 6A Output 85-264VAC | 700007112 |
| Pressure Trans Assy, Flow Thru          | 700007466 |
| Relay, 60VDC - 5AMP Panel Mount         | 700006514 |
| Resistor, 1K, 1/4W, 5%                  | 700006513 |

### Tools

|                                  |           |
|----------------------------------|-----------|
| Lock Device, Hex                 | 700007470 |
| Nut, Locking Bracket .562 Hex    | 700007471 |
| Tape, 1/2" Wide Mil Grade Teflon | 700006618 |
| Wrench, IP10 TORX-Plus L-Key     | 700007162 |

## COLLECTION MODULE:AFC

### Analytical & Prep Fraction Collector

#### Assemblies and Consumables

|                                          |           |
|------------------------------------------|-----------|
| CLAMP, 16ML-40ML VIAL JAW                | 700007394 |
| Needle, 11 GA TW FC Cannula Vent         | 700007397 |
| Needle, 16 GA RW FC Discharge            | 700007396 |
| Pump, Single Head 5mL/min 500PSI 24VDC   | 700007416 |
| Rotor, Fraction Collector 12 & 14        | 700007587 |
| Rotor, Fraction Collector 4-10           | 700007586 |
| Rotor, V C72-3096DY FC Valve             | 700008119 |
| Stator, for Collection Module 12 Pos Vlv | 700007616 |
| Stator, Analytical FC 10 Position        | 700007591 |
| Stator, Analytical FC 12 Position        | 700007592 |
| Stator, Analytical FC 4 Position         | 700007588 |
| Stator, Analytical FC 6 Position         | 700007589 |
| Stator, Analytical FC 8 Position         | 700007590 |
| Stator, for Inj & Col Mod 2 Pos Titan    | 700007959 |
| Stator, for Inj & Col Module 2 Pos Valve | 700007614 |
| Stator, V C72-3096DY FC Valve            | 700008120 |

## COLLECTION MODULE:AFC

### Analytical & Prep Fraction Collector

#### Board Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Board Assy, 12 Pos Titan HT BCD Logic    | 700007834 |
| Board Assy, 2 Pos TitanHT Level Logic    | 700007833 |
| Board Assy, FC Interface                 | 700008239 |
| Board Assy, FC Interface                 | 700008239 |
| Board Assy, LED for Analytical FC        | 700008246 |
| PLC Assy, FC Click I/O with Ribbon Cable | 700008240 |
| PLC, 20 DC In/16 Relay Micro             | 700007187 |

#### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fastener 6-325/16"W 7/64"H 18-8 SS Nut   | 700006583 |
| Fastener, 6-32 X .25 SS PPHS             | 700006581 |
| Fastener, 8-32 SS Hex Nut                | 700006578 |
| Fitting 1/16" V Tee - .25 mm Bore        | 700006633 |
| Fitting 1/8" U Tefzel Ferrule - Short    | 700007274 |
| Fitting, 1/16 Extra Long R SS Nut        | 700007789 |
| Fitting, 1/16" 1 piece Fingertight       | 700007960 |
| Fitting, 1/16" 1 piece Fingertight       | 700007960 |
| Fitting, 1/16" Mnpt - 1/8" Swag Bt       | 700006651 |
| Fitting, 1/16" R Peek Nut & Ferrule Set  | 700007584 |
| Fitting, 1/16" R SS Ferrule              | 700007365 |
| Fitting, 1/16" V Tee - .75 mm Bore       | 700006632 |
| Fitting, 1/16"CompX1/8 Tube Stub B. Thru | 700007395 |
| Fitting, 1/16" One-Piece CPI Peek Nut    | 700007481 |
| Fitting, 1/2" MNPT X 1/4" MNPT           | 700006669 |
| Fitting, 1/4" MNPT X 1/4" Comp           | 700006654 |
| Fitting, 1/4" MNPT X 1/8" Comp           | 700006668 |
| Fitting, 1/4-28 U Tefzel Union           | 700008177 |
| Fitting, 1/8" U Peek Nut - Short         | 700007272 |
| Fitting, 1/16" V Nut                     | 700006643 |

## COLLECTION MODULE:AFC

### Analytical & Prep Fraction Collector

#### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Tube, Cyclone Dip 2.00" Lg               | 700006594 |
| Tube, Side Input 1/4" OD                 | 700008051 |
| Tube, Side Input 10-1000mL Fract Collctr | 700006593 |
| Tubing, 1/16" OD x .040" ID SS - 30cm    | 700008293 |

#### Cables

|                                          |           |
|------------------------------------------|-----------|
| Cable assy, CM INTF Board to PLC         | 700008062 |
| Cable Assy, FC LED Control               | 700008238 |
| Cable Assy, FC Pump Control              | 700008242 |
| Cable Assy, FC Valve Power               | 700008241 |
| Cable Assy, FC Valve Control             | 700008237 |
| Cable Assy, Gnd- Star To QD- 5.00" Lg.   | 700006754 |
| Cable Assy, Ground Stud to Wire - 8.00   | 700007152 |
| Cable Assy, Optical Sensor- Waste        | 700007668 |
| Cable Assy, Power Supply Input           | 700007105 |
| Cable Assy, Pwr Supply SFC FC            | 700008236 |
| Cable Assy, RJ11 to DB9F For PLC- 12     | 700007167 |
| Cable Assy, RJ11 to DB9F For PLC- 17     | 700007164 |
| Cable Assy, Titan HT Board to INTF Board | 700008148 |

#### Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, 1L Fract. Collector 1/4" Side Input | 700008052 |
| Kit, C.M. 6 Port and Intf. Bd. Upgd.     | 700008116 |
| Kit, Col Mod 12 Pos Brd Interface Board  | 700008156 |
| Kit, Col Mod 4-6 CV w/MBPR Dom SFC350    | 700008045 |
| Kit, Col Mod 4-6 CV w/MBPR SFC200        | 700008049 |
| Kit, Col Mod 4-6 CV w/MBPR SFC200        | 700008050 |
| Kit, Col Mod 4-6 CV w/MBPR SFC350        | 700008046 |
| Kit, Col Mod 4-6 CV wo MBPR SFC200       | 700008047 |

## COLLECTION MODULE:AFC

### Analytical & Prep Fraction Collector

#### Kits - continued

|                                          |           |
|------------------------------------------|-----------|
| Kit, Col Mod 4-6 CV wo MBPR SFC200       | 700008048 |
| Kit, Col Mod 4-6 CV wo MBPR SFC350       | 700008043 |
| Kit, Col Mod 4-6 CV wo MBPR SFC350       | 700008044 |
| Kit, Col Mod FC Board Update for IMFC Bd | 700008155 |
| PM - Collection Mod Investigator II      | 700007687 |
| PM - Collection Module                   | 700007686 |
| Kit, Preventative Maintenance - ABPR-20  | 700007692 |
| Kit, Preventative Maintenance - ABPR-200 | 700007693 |
| Kit, Rbld for Col Module 12 Pos Valve    | 700007615 |

#### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Bracket, Actuator Support                | 700008111 |
| Check Valve, 15PSI .03"ID                | 700008331 |
| Check Valve, replacement for makeup pump | 700007680 |
| Piston, Sapphire Makeup Pump             | 700007710 |
| Plate, FC Actuator Board Adapter         | 700008117 |
| PLC Assy, FC Click I/O with Ribbon Cable | 700008240 |
| PLC, 8 DC In/6 Source Out - Discrete     | 700008168 |
| Seal, Single Head Pump, 5ML/MIN, 500 PSI | 700007840 |
| Stator, for Collection Module 12 Pos Vlv | 700007616 |
| Valve, Prime/Purge w/ Rear Mtg. Holes    | 700008805 |

#### Power Supplies

|                                         |           |
|-----------------------------------------|-----------|
| Battery, Backup for PLC Controller      | 700007191 |
| Fuse, 1.6Amp 5 X 20MM Slow Blow         | 700006831 |
| Fuse, 3Amp, 1/4" X 1-1/4' GLS Slow Blow | 700006517 |
| Module, Dual Fuse Power - 110V/220V 7A  | 700006797 |
| Power Supply, 24VDC 6A Output 85-264VAC | 700007112 |
| Pump, Single Head 5mL/min 500PSI 24VDC  | 700007416 |



## 2767 FRACTION COLLECTOR

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/8" Comp Teflon Ferrule Set    | 700007899 |
| Fitting, 1/8" Peek U SuperFlangeless Nut | 700008175 |
| Fitting, 1/8" Tefzel U S.F. Ferrule      | 700008176 |
| Fitting, 5/16" Comp Teflon Ferrule Set   | 700007900 |
| Fitting, 5/16" x 1/8" Comp Reducer Union | 700007898 |
| Kit, 2767 2.5mL Syringe w/2mL Loop       | 700008174 |
| Tube, .055" Fraction Dispense            | 700007856 |

## SFC 100

### Components

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, Ctrl 2 Pin M To 2 Pin M 6'  | 700006884 |
| Connector Assy, RJ11-DB9F - S Pump      | 700006723 |
| Heat Exchanger, 1/16"ODx6"HP- 110V 500W | 700008057 |
| Heat Exchanger, 1/16"ODx6"HP 220V 500W  | 700008058 |
| Heat Exchanger, Dual 1/8"x7"HP 110V 1KW | 700008059 |
| Valve, 1/16" V .75mm Bore Prime/Purge   | 700008016 |
| Splitter Assy, Active                   | 700008884 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Fitting, 1/16" Peek U Nut                | 700007275 |
| Fitting, 1/16" U Tefzel Ferrule -Short   | 700007276 |
| Fitting, 1/16" V Ferrule                 | 700006822 |
| Fitting, 1/16" V Tee - 1.00 mm Bore      | 700006634 |
| Fitting, 1/2" COMP - 1/2"MNPT Bored Thru | 700007125 |
| Fitting, 1/4" MNPT X 1/4" Comp           | 700006654 |
| Fitting, 1/4" NPT 90 Degree Street Ell   | 700006817 |
| Fitting, 1/4"FNPT X 1/4" Comp Elbow      | 700006960 |
| Fitting, 1/8" Comp Union Tee             | 700006897 |

## SFC 100

### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/8" MNPT - 1/16" Comp.         | 700007143 |
| Fitting, 1/8" U Peek Nut - Short         | 700007272 |
| Fitting, 1/8" V Peek Ferrule             | 700006591 |
| Fitting, 1/8" V Tee - 2.00mm Bore        | 700006639 |
| Ring, 3/4" Split Key-Tag                 | 700006905 |
| Tube, 25 x 150mm Borosilicate Glass      | 700007907 |
| Tubing, 1/16"ODx.040"IDx3.97"/10cm 316SS | 700008216 |
| Tubing, 1/32"OD X 25µmID PEEKsil™-12.00" | 700008214 |
| Tubing, 1/8"ODx.035"WL. 316SS -3"        | 700008219 |
| Tubing, 1/8"ODx.035"WL. 316SS -6"        | 700008218 |
| Tubing, PEEK 1/16" OD x .008" ID x 30    | 700008217 |
| Tubing, SS 1/16"OD x .040"ID x 1.97"/5cm | 700008221 |

### Kits

|                                        |           |
|----------------------------------------|-----------|
| Filter Kit, 5 micron for part# 06013   | 700007354 |
| Kit, Spare Parts SFC100 w/o MS         | 700008300 |
| Kit, Spare Parts SFC100-MD with 3100   | 700008296 |
| Kit, Spare Parts SFC100-UV             | 700008301 |
| Kit, System Start-Up                   | 700006922 |
| Sample, SFC100 Test Mix                | 700008265 |
| Seal, Needle 22G for Leap sampler      | 700008247 |
| Separator, SFC MD Glass Gas-Liquid     | 700008278 |
| Separator, SFC MD Glass Gas-Liquid Aux | 700008279 |

### Miscellaneous

|                                        |           |
|----------------------------------------|-----------|
| Bracket, SFC MD Gas-Liquid Separator   | 700007983 |
| Cord, 110V, 13A Power, 24              | 700007119 |
| Fuse, 2.0Amp 3AG Fast Blow             | 700006855 |
| Piston, Sapphire Makeup Pump           | 700007710 |
| Pump, 40mL/min 110/220V 50/60Hz w/Damp | 700008137 |
| Valve, 1/8" Comp, 1500 PSI Ball        | 700007291 |

## **BULK DELIVERY SYSTEM : 500G, 3000 & CO2**

### **Assemblies**

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, BDS EMC Card to PLC          | 700007601 |
| Hose Assy, CGA320X1/2 CompX10'Lg 1750PSI | 700007549 |
| PLC, 20 DC In/16 Relay Micro             | 700007187 |
| Pump Assy, Simplex Diaphragm w/Motor     | 700007605 |
| Resistor Assy, 221 Ohm                   | 700007753 |

### **Cables**

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy Bundle, Mencom                | 700007778 |
| Cable Assy, PLC Input Side Com. Harness  | 700007774 |
| Cable Assy, PLC Output Com. Harness      | 700007773 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007765 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007766 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007767 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007768 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007769 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007770 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007771 |
| Cable Assy, 2 Cond. with Multiple Ends   | 700007772 |
| Cable Assy, Flow Meter Communication     | 700007776 |
| Cable Assy, Ground Stud to Wire - 11"    | 700007149 |
| Cable Assy, Ground Stud to Wire - 14     | 700007150 |
| Cable Assy, Ground Stud to Wire - 2.50   | 700007151 |
| Cable Assy, Motor Driver to PLC          | 700007775 |
| Cable Assy, Single Cond w/ Multiple Ends | 700007764 |

### **Kits**

|                                          |           |
|------------------------------------------|-----------|
| INSULATION, 2-5/8"ID x1/2"THK ELASTO TEE | 700008282 |
| Kit, BDS 3000G System Maintenance        | 700007633 |
| Kit, BDS 500 Diaphragm Bleed             | 700008277 |
| Kit, BDS Contact Closure                 | 700008313 |

## BULK DELIVERY SYSTEM : 500G, 3000 & CO2

### Kits - continued

|                                          |           |
|------------------------------------------|-----------|
| Kit, BDS500G Auxiliary CO2 Inlet         | 700007758 |
| Kit, BDS500G Auxiliary CO2 Inlet         | 700007759 |
| Kit, BDS500G Insulation Upgrade          | 700008302 |
| Kit, Kammer BPR Air Actuated Vlv Packing | 700007632 |
| PM - BDS500G                             | 700007782 |
| Oil, Gear for use in Lewa pumps          | 700008280 |
| Kit, SVF 1/2" Ball Valve Repair          | 700007817 |
| Maintenance, Kit Kammer BPR Air Act. Vlv | 700007631 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fastener, 10MM X M8 T-Nut                | 700007136 |
| Filter Element, for Filter Model #142    | 700007630 |
| Filter Element, for Model 132 Filter     | 700007629 |
| FILTER ELEMENT, SS FOR FILTER 142        | 700007434 |
| FILTER, 1/4" MNPT EXHAUST MUFFLER        | 700007540 |
| Filter, Headline 1/2"-1/2" 316SS w/Viton | 700007433 |
| Fitting, 1/2" Comp Cap                   | 700007176 |
| Fitting, 1/2" Comp Union Cross           | 700007428 |
| Fitting, 1/2" Comp X 1/4" FNPT Tee       | 700007531 |
| Fitting, 1/2" FNPT X 1/2" Comp           | 700007532 |
| Fitting, 1/2" Mnpt - 1/2" Tube Stub      | 700006660 |
| Fitting, 1/2" MNPT X 1/2" Comp           | 700007533 |
| Fitting, 1/2" NPT Aluminum Coupling      | 700007821 |
| Fitting, 1/2" Nylon Liquidtight 90 Deg   | 700007528 |
| Fitting, 1/4" FNPT X 1/2" Comp           | 700007530 |
| Fitting, 1/4" NPT Brass Coupling         | 700007815 |
| Fitting, 1/4" Tube Stub - 1/8" Comp      | 700006685 |
| Fitting, 1/4" Tube TO 1/8 NPT Thread     | 700007517 |
| Fitting, 1/4"FNPTx1/4"Tube Push Blkhd    | 700007537 |
| Fitting, 1/4"MNPT Industrial QD Plug     | 700007539 |
| Fitting, 1/4"MNPT QD Socket              | 700007538 |

## **BULK DELIVERY SYSTEM : 500G, 3000 & CO2**

### **Fittings & Tubing - continued**

|                                         |           |
|-----------------------------------------|-----------|
| Fitting, 1/4"MNPTx1/16"Comp SS          | 700007262 |
| Fitting, 1/4"MNPTx1/4"Tube Push Connect | 700007535 |
| FITTING, 10-32 TO 1/8"ID HOSE           | 700007515 |
| Fitting, 2x1/4"Push Connect Bulkhead    | 700007536 |
| Fitting, 3/8" Barb X 1/2" MNPT Nylon    | 700008187 |
| Fitting, Nut (CGA320) CO2 Nut           | 700006603 |
| Fitting, Stem (CGA320) CO2 Tank         | 700006604 |
| Trap, Hydrocarbon - 1/8" Fitting        | 700007816 |
| Washer, M8 SS Split Lock                | 700007139 |

### **Miscellaneous**

|                                          |           |
|------------------------------------------|-----------|
| Check Valve, 1/2" Comp 4KPSI             | 700007431 |
| Check Valve, BDS500G pump                | 700007949 |
| CLAMP, .50" TUBING                       | 700007529 |
| Clamp, 7/8                               | 700006580 |
| Diaphragm, BDS500G pump                  | 700007950 |
| Diaphragm, Sandwich BD100 M900 for Lewa  | 700007624 |
| Extension, M-F 4 Pole 1M 22AWG PVC       | 700007807 |
| Extension, M-F 4 Pole 2M 22AWG PVC       | 700007806 |
| Extension, M-F, 4 Pole 3M 22AWG PVC      | 700007805 |
| FLOW SWITCH ASSY, 1/2" FNPT 3000 PSI     | 700007522 |
| Fuse, Glass 30A 1 1/4-1/4                | 700007598 |
| Gasket, Set LDE HHV V Lewa LDE1/M9/34MM  | 700007628 |
| Heat Exchanger, 3/4"FNPT Tubex1/2"FNPT   | 700008125 |
| Heater Blanket, 12x24" 240VAC 1440W Sili | 700007550 |
| Hose, 1/4" ID x 12', Nylon Coiled Air    | 700007814 |
| Panel, Economy 256K Mono Touch 6IN       | 700007482 |
| PRES TRANS, 0-2000 PSI 1/4"NPT 4-20MA    | 700007432 |
| Receptacle, M 4 Pol SS w/1/2"NPT 1'      | 700007804 |
| Seal Ring, 26X32X1 GYL Lewa LDE1/M9/34MM | 700007625 |
| Sensor, Level 1KPSI 1"MNPT 4 Pos 1/2"    | 700006929 |
| Switch, E-Stop Button 50mm Red Mushroom  | 700007597 |
| Thermocouple, 1/8"x6" J Type w/ M&F Con  | 700006782 |

## **BULK DELIVERY SYSTEM : 500G, 3000 & CO2**

### **Power Supplies**

|                                         |           |
|-----------------------------------------|-----------|
| Battery, Backup for PLC Controller      | 700007191 |
| Battery, Lithium BR2/3AE2SP             | 700008136 |
| Card, 4 CH In 2 CH Out Current Analog   | 700007483 |
| Card, Elect. Manifold 8 3-Way NO Valve  | 700007514 |
| MOTOR DRIVE, 230/460 VAC SINGLE/3 PHASE | 700007513 |
| Plug, 6-20P NEMA 220 VAC                | 700007777 |
| Power Supply, 24VDC 150 Watts           | 700007733 |
| Relay, Power 240VAC 25Av Contact        | 700007600 |

### **Valves**

|                                          |           |
|------------------------------------------|-----------|
| Relief valve, BDS500G Pump               | 700007952 |
| Snifting valve, BDS500G pump             | 700007951 |
| Valve Ball, 20mm 1.3541H LDE1/M9/34MM    | 700007623 |
| Valve Seat, Lewa Pump LDE1/M9/34 MM      | 700007622 |
| Valve, 1/2" Comp 1500 PSI Ball- 7/16"ID  | 700007519 |
| VALVE, 1/2" COMP 5KPSI 1/4" ORIFICE BALL | 700007430 |
| Valve, 1/2" Comp. 316 SS Ball            | 700007754 |
| Valve, 1/2"Comp 316 SS Act Ball- NC      | 700007755 |
| Valve, 1/2"Comp 316SS Act. Ball- NO      | 700007756 |
| Valve, 1/2"Comp 5KPSI Act. Ball- NC      | 700007429 |
| Valve, 1/4" 1,500 PSI Air Actuated Contr | 700007480 |
| Valve, Pressure Relief DN10 70-200 Bar   | 700007627 |
| Valve, Snifting M9 A4 Lewa LDE1/M9/34MM  | 700007626 |

## **SFE SYSTEMS Basket Assy, 200-600mL**

### **Assemblies**

|                                          |           |
|------------------------------------------|-----------|
| Disc Assy, 10KPSI 1/4MPT-1/2"MPT Rupture | 700006745 |
| Disc Assy, 1500PSI 1/4"MNPT Rupture      | 700006743 |
| Nozzle Assy, 1/8" NPTF PCA .004" Orifice | 700007265 |
| Nozzle Assy, Ress w/ .004" Sapphire Disc | 700007029 |
| Piston Tool Assy                         | 700006740 |
| Pressure Trans Assy, 1/4MNPT 10KPSI      | 700007016 |

## SFE SYSTEMS Basket Assy, 200-600mL

### Frits

|                                       |           |
|---------------------------------------|-----------|
| Frit, 200-600 ML, 2.12VID, 1 Micron   | 700006556 |
| Frit, 200-600 ML, 2.12VID, 100 Micron | 700006560 |
| Frit, 200-600 ML, 2.12VID, 2 Micron   | 700006557 |
| Frit, 200-600 ML, 2.12VID, 40 Micron  | 700006559 |
| FRIT, 200-600 ML, 2.12VID, 5 Micron   | 700006558 |
| FRIT, 75-100 ML, 1.17VID, 5 Micron    | 700006561 |

### O-Rings

|                                         |           |
|-----------------------------------------|-----------|
| O-Ring, #023 Teflon                     | 700008807 |
| O-Ring, 200-600ml Heating Jacket        | 700006689 |
| O-Ring, #212 PTFE Encapsulated Silicone | 700006794 |
| O-Ring, #218 Teflon Enc Sili SQ.C.S.    | 700006830 |
| Ring, 2 1/8" ID Retaining               | 700006808 |
| Ring, External Retaining                | 700006778 |
| Seal, 4VID GFPM MED.Spring              | 700006619 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/8" Mnpt - 1/8" Comp MRTee     | 700006744 |
| Fitting, 1/8" X 1/16" V Internal Reducer | 700006628 |
| Fuse, 1.6Amp 5 X 20MM Slow Blow          | 700006831 |
| Gauge, 10,000 PSI/Bar Dampened           | 700006548 |
| Kit, 100mL 1.18VID Piston Vessel Spare   | 700007035 |
| Kit, SFE to CCC Integration              | 700008190 |
| Nozzle, Body Ress W/ 1/16" V Port        | 700007027 |
| Nozzle, Cap Ress                         | 700007028 |
| Piston Body, 1.18"VID, Peek              | 700007034 |
| Piston Seal Retainer, 1.18"VID           | 700007033 |
| Spring, Smalley Wave #SSR-0375-N-S17     | 700007203 |
| Valve, 1/16" Needle H                    | 700006774 |

## **SFE SYSTEMS Basket Assy, 200-600mL**

### **Stirrers**

|                                         |           |
|-----------------------------------------|-----------|
| Bearing, Rulon, P MM-D06 Mag Stir       | 700007037 |
| IMPELLER, 2.12VID, .313" THRU BORE      | 700006993 |
| Impeller, 2.12VID, 5/16-18 Threaded     | 700006994 |
| IMPELLER, 2.12VID, .376 BORE THRU       | 700006992 |
| Seal, Stirrer to Vessel MM-016 & MM-D06 | 700006798 |
| Fitting, Stir Port Adapter Assembly     | 700006995 |
| Stir, P Mag Drive, 1.313"LG Shaft       | 700007001 |
| Stir, P Mag Drive, 2.875"LG Shaft       | 700006999 |
| Stir, P Mag Drive, 3.780"LG Shaft       | 700007000 |
| Stir, P Mag Drive, 4.375"LG Shaft       | 700006996 |
| Stir, P Mag Drive, 5.750"LG Shaft       | 700007002 |
| Stir, P Mag Drive, 6.313"LG Shaft       | 700006997 |
| Stir, P Mag Drive, 9.375"LG Shaft       | 700006998 |

### **Window Components**

|                                          |           |
|------------------------------------------|-----------|
| Window Adj Sleeve, .875 D                | 700007798 |
| Window Nut, 1.250" Dia LP                | 700006741 |
| Window Nut, .875" Dia. HP                | 700006616 |
| Window Nut, .875 Dia Adjustable          | 700007797 |
| Window Nut, .875 Dia. Fixed              | 700007796 |
| Window, .250" Dia, Non-UV, Sapphire      | 700006612 |
| Window, .250" Dia., UV, Sapphire         | 700006746 |
| Window, .875"Dia. HP UV Grade Sapphire   | 700006694 |
| Window, .875"DIA. LP Sapphire, UV Grade  | 700006780 |
| Window, .875Dia.x.5 High Purity Sapphire | 700007799 |
| Window, .875Diax1.313Lg. HP Sapphire     | 700007800 |
| Window, .875" DIA. HP Sapphire           | 700006589 |
| Window, 1.250" DIA. LP Sapphire          | 700006739 |
| Window, Sapphire. 1.00 X .375            | 700006749 |



## SFE 100, SFE 500, SFE 1000, SFE 2000

### Assemblies

|                                           |           |
|-------------------------------------------|-----------|
| Cable Assy, 6' Extension For Mini-PVC     | 700007527 |
| Connector Assy, RJ11-DB9F - S Pump        | 700006723 |
| Disc Assembly, Rupture 10,000 PSI         | 700006873 |
| Disc Assy, 1/4"MNPTx3/8"- 10KPSI Rupture  | 700007357 |
| Disc Assy, 1/4"MNPTx3/8" 6KPSI Rupture    | 700007356 |
| Thermocouple Assy, J Typ Clmp 1.75-2.25"  | 700006938 |
| Thermocouple Assy, With Ext Cable- 24"    | 700006987 |
| Thermocouple Assy, With Ext Cable- 48"    | 700006988 |
| Thermocouple Assy, With Ext Cable- 72"    | 700006989 |
| Tubing Assy, Inlet Teflon w/Filtr & 1/8"V | 700006872 |

### Cable Assy

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 6' Extension For Mini-PVC    | 700007527 |
| Cable Assy, BNC - BNC 48" Long           | 700007227 |
| Cable Assy, Control Signal to Relay- 12" | 700007236 |
| Cable Assy, Ctrl 2 Pin M To 2 Pin M 2'   | 700006886 |
| Cbl Assy, Ctrl 2 Pin M to 2 Pin M 3'     | 700006885 |
| Cbl Assy, Ctrl 2 Pin M To 2 Pin M 4'     | 700006887 |
| Cable Assy, Output CFM To Pump - 5 Ft    | 700006687 |
| Cable Assy, QD to QD- 4" Brown 16AWG     | 700007233 |
| Cable Assy, Spade to QD- 5" Blu 16AWG    | 700007234 |
| Cable Assy, Spade to QD- 5" Brn 16AWG    | 700007232 |
| Cable Assy, Spade to QD- 5" Brn 16AWG    | 700007235 |
| Cable Assy, Spade to QD- 6" Blu 16AWG    | 700007231 |
| Cable Assy, Spade to QD- 6" Blue 16AWG   | 700007229 |
| Cable Assy, Spade to QD- 6.5" Brn 16AWG  | 700007230 |
| Cable Assy, TC Ext J Type M To M - 3'    | 700006925 |
| Cable Assy, Thermocouple Ext M TO F - 3' | 700006784 |
| Cable Assy, Thermocouple Ext M TO F - 5' | 700006783 |
| Cable Assy, Thermocouple Ext M TO F - 6' | 700006785 |
| Converter, 4 Port RS-232 to USB Serial   | 700007294 |
| Converter, 8 Port RS-232 to USB Serial   | 700007295 |

## SFE 100, SFE 500, SFE 1000, SFE 2000

### Camera

|                                         |           |
|-----------------------------------------|-----------|
| Camera Mntng Adptr, .25" Window Thin Wl | 700007201 |
| Camera Mounting Adapter, .25" Window    | 700007200 |
| Camera System, NTSC Standalone          | 700007602 |
| Camera System, PAL Standalone           | 700007613 |

### Discs

|                                          |           |
|------------------------------------------|-----------|
| Disc Block, .187"DIA Rupture             | 700007184 |
| Disc Retainer, Rupture                   | 700006775 |
| Disc, 10,000PSI 1/4 72°F Rupture         | 700006551 |
| Disc, 10,000PSI 1/4" 72°F Rupture CE     | 700006552 |
| Disc, 6000PSI 1/4 72° Rupture            | 700006712 |
| Disc, 6000PSI 3/16 72°F Rupture 3/8"OD   | 700006733 |
| Disc, 6000PSI 3/16" 72°F Rupture 3/8"OD  | 700006734 |
| Disc, 6KPSI 3/16" 72°F Rupture 3/8"OD CE | 700006735 |
| Disc, Pressure Bolster                   | 700006776 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Filter, 1/8"Comp 5000PSI 5 Micron Inline | 700007292 |
| Filter, Solvent Inlet Line               | 700006678 |
| Fitting, 1/16" V Long Nut                | 700006713 |
| Fitting, 1/4" Fnpt - 1/8" Comp           | 700006655 |
| Fitting, 1/4" Mnpt - 1/4" Fnpt           | 700006681 |
| Fitting, 1/4" MNPT - 1/8" Comp. Elbow    | 700007135 |
| Fitting, 1/4" MNPT X 1/4" Comp           | 700006654 |
| Fitting, 1/4" MNPT X 1/8" Comp           | 700006668 |
| Fitting, 1/4" NPT 316 SS Strt Tee 10KPSI | 700007128 |
| Fitting, 1/4" NPT SS Plug                | 700006670 |
| Fitting, 1/4"-28 x 1/8" Tubing KEL-F Nut | 700006708 |
| Fitting, 1/4"Mnptx1/8"Comp-Drill Thru TC | 700006860 |
| Fitting, 1/8" Comp Ferrule Set           | 700006631 |
| Fitting, 1/8" Comp Union                 | 700006923 |

## SFE 100, SFE 500, SFE 1000, SFE 2000

### Fittings & Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/8" MNPT - 1/16" Comp.         | 700007143 |
| Fitting, 1/8" Mnpt - 1/8" Comp           | 700006664 |
| Fitting, 1/8" Taper Seal Plug            | 700006867 |
| Fitting, 1/8"FNPT-1/8" Comp. Blkhd Union | 700007144 |
| Fitting, 1/8"MNPT 1/8"COMP Bored Thru SS | 700007129 |
| Tubing Assy, Inlet CGA X 1/16" V Tube    | 700007250 |
| Tubing, Slipfree 10cmx.020ID Peek 1/16"  | 700007160 |

### Frit Holder Assy

|                                          |           |
|------------------------------------------|-----------|
| Frit Holder Assy, 10L 5.9VID 1 Micron    | 700007094 |
| Frit Holder Assy, 10L 5.9VID 2 Micron    | 700007095 |
| Frit Holder Assy, 10L 5.9VID 40 Mic.     | 700007097 |
| Frit Holder Assy, 10L 5.9VID 5 Micron    | 700007096 |
| Frit Holder Assy, 1L 3VID 100 Micron     | 700007088 |
| Frit Holder Assy, 1L, 3VID, 2 Micron     | 700007085 |
| FRIT HOLDER ASSY, 1L, 3VID, 40 MICRON    | 700007087 |
| Frit Holder Assy, 1L, 3VID, 5 Micron     | 700007086 |
| Frit Holder Assy, 2.5-5L 4VID 1 Mic.     | 700007089 |
| Frit Holder Assy, 2.5-5L 4VID 2 Mic.     | 700007090 |
| Frit Holder Assy, 2.5-5L 4VID 5 Mic.     | 700007091 |
| Frit Holder Assy, 10L 5.9VID 100 Micron  | 700007098 |
| Frit Holder Assy, 1L, 3VID, 1 Micron     | 700007084 |
| Frit Holder Assy, 2.5-5L 4VID 100 Mic    | 700007093 |
| Frit Holder Assy, 2.5-5L 4VID 40 Micron  | 700007092 |
| Frit Holder Assy, 200-600 2.12VID .5 Mic | 700007083 |
| Frit Holder Assy, 200-600 2.12VID 100M   | 700007082 |
| Frit Holder Assy, 200-600 2.12VID 40 Mic | 700007081 |
| Frit Holder Assy, 200-600mL 2.12VID 1Mic | 700007078 |
| Frit Holder Assy, 200-600mL 2.12VID 2Mic | 700007079 |
| Frit Holder Assy, 200-600mL 2.12VID 5Mic | 700007080 |

## **SFE 100, SFE 500, SFE 1000, SFE 2000**

### **Frit Holder Assy - continued**

|                                          |           |
|------------------------------------------|-----------|
| Frit Holder Assy, 3-50 mL .78VID 1 Mic   | 700007068 |
| Frit Holder Assy, 3-50mL .78VID 100 Mic  | 700007072 |
| Frit Holder Assy, 3-50mL .78VID 2 Micron | 700007069 |
| Frit Holder Assy, 3-50mL .78VID 40 Mic   | 700007071 |
| Frit Holder Assy, 3-50ML, 5 Micron       | 700007070 |
| Frit Holder Assy, 75-100mL 1.17VID 1 Mic | 700007073 |
| Frit Holder Assy, 75-100mL 1.17VID 100M  | 700007077 |
| Frit Holder Assy, 75-100mL 1.17VID 2 Mic | 700007074 |
| Frit Holder Assy, 75-100mL 1.17VID 40Mic | 700007076 |
| Frit Holder Assy, 75-100mL 1.17VID 5 Mic | 700007075 |
| FRIT, 2.5 - 5L, 4VID, 5 Micron           | 700006553 |
| FRIT, 1L- 3VID, 5 Micron                 | 700006575 |
| FRIT, 3-50 ML, .78VID, 5 Micron          | 700006563 |

### **Gauges**

|                                          |           |
|------------------------------------------|-----------|
| Gauge, 10,000 PSI/Bar Dampened           | 700006548 |
| Gauge, 10,000 PSI/Bar Dampened Rear Mnt. | 700006896 |
| Gauge, 1500 PSI Dampened Rear Mounted    | 700006719 |
| Gauge, 1500PSI Dampened                  | 700006555 |
| Gauge, 600 PSI/Bar Dampened              | 700006915 |

### **Hoses**

|                                          |           |
|------------------------------------------|-----------|
| Hose, 2x1/4"Tube Stubx12"L SS/PTFE       | 700007973 |
| Hose, 2x1/4"Tube Stubx120"L SS/PTFE      | 700007974 |
| Hose, 2x1/4"TubeStubx6"L SS Braided PTFE | 700007975 |

### **Kits**

|                                  |           |
|----------------------------------|-----------|
| Kit, SFE 1000 Spare Parts        | 700007120 |
| Kit, SFE 2X5LF FMC50 Spare Parts | 700007122 |
| Kit, SFE 5000F Spare Parts       | 700007123 |
| Kit, SFE 500F FMC10 Spare Parts  | 700007121 |
| Kit, SFE-100-FMC10 Spare Parts   | 700007124 |
| Kit, System Start-Up             | 700006922 |

## **SFE 100, SFE 500, SFE 1000, SFE 2000**

### **Miscellaneous**

|                                          |           |
|------------------------------------------|-----------|
| Adapter, 100mL Vessel Skid Mtg           | 700007681 |
| Block, Roller Spacer - Skid              | 700006698 |
| Collar, 3.00" OD Vessel Finished         | 700006800 |
| Collar, 4.50 OD Vessel Finished          | 700006801 |
| Bulkhead Mounting Angle, Compression     | 700007258 |
| Impeller, 20ML VVViewcell Teflon         | 700007198 |
| Piston Body, 2.12VID, Peek               | 700007005 |
| Piston Seal Retainer, 2.12VID            | 700007004 |
| Pres Trans, 10KPSI 7/16-20UNF 4-20mA     | 700007224 |
| Pump, 10mL/min 6KPSI 220V w/o Damp.      | 700006790 |
| Spray, TFE Dry Lubricant, 10 OZ          | 700006605 |
| Spring, Smalley Wave #SSR-0050-S17       | 700007245 |
| Stud, 8-32 X .68" LG., Impeller Mounting | 700007199 |
| Tip, Scale Pointer                       | 700007244 |
| Tube, Cyclone 1.50 LG 1/4-20THD Dip      | 700006571 |
| Tube, Side Input 10-1000mL Fract Collctr | 700006593 |

### **O-Rings**

|                                    |           |
|------------------------------------|-----------|
| O-Ring, # 039 Virgin Teflon        | 700006700 |
| O-Ring, #010 Teflon                | 700006727 |
| O-RING, #033 TEFLON                | 700007116 |
| O-Ring, #120 Silicone              | 700007180 |
| O-Ring, #218 Silicone              | 700007249 |
| O-Ring, #212 70 Buna, <100C        | 700006620 |
| O-Ring, #016 Virgin Teflon         | 700006840 |
| O-Ring, # 149 Virgin Teflon        | 700006710 |
| Ring, 20ML VVViewcell Frit         | 700007179 |
| Ring, 3/4" Split Key-Tag           | 700006905 |
| Ring, SPM Plunger Seal Peek Backup | 700006590 |

## **SFE 100, SFE 500, SFE 1000, SFE 2000**

### **Power Supplies**

|                                          |           |
|------------------------------------------|-----------|
| Cord, Pwr 220V 6-20P Straight 10ft Blk   | 700007954 |
| Power Strip, 10 220V Outlet 16A          | 700006721 |
| Power Strip, 110V 6 Out 15A w/L5-20P 36" | 700006958 |
| Power Strip, 6 220V Outlet 16A           | 700006722 |
| Relay, Power Ctrl Box 220V 12A Max C-14  | 700006901 |
| Relay, Pwr Ctrl Box 220V 12A Max Dom.    | 700006902 |

### **Seals**

|                                         |           |
|-----------------------------------------|-----------|
| Seal, 1L-3VID Polyimide Light. Spring   | 700006566 |
| Seal, 200-600ML, Polyimide              | 700006565 |
| Seal, 3-50ML, Polyimide, (EGC)          | 700006562 |
| Seal, 3VID PTFE Graphite Med-Hvy Spring | 700006791 |
| Seal, PEA GFPM Plunger                  | 700006715 |
| Seal, 75-100ML, Polyimide               | 700006564 |

### **Thermocouples**

|                                          |           |
|------------------------------------------|-----------|
| THERMOCOUPLE, DUAL J TYPE 1/16" X 1.25   | 700007327 |
| Thermocouple, J- Clamp ID 5 7/8-6 3/4"   | 700006962 |
| Thermocouple, J Type Clamp ID 1.75-2.25" | 700006877 |
| Thermocouple, J Type Clamp ID 3"x3.25"   | 700006878 |
| Thermocouple, J Type Clamp ID 4.167"-5"  | 700006879 |

### **Tools**

|                                    |           |
|------------------------------------|-----------|
| Wrench, 1.75" Spanner              | 700006720 |
| Wrench, Spanner, 1.50" Pin Centers | 700006742 |
| Wrench, Spanner, 1.25" Pin Centers | 700006696 |

### **Valves**

|                                          |           |
|------------------------------------------|-----------|
| Check Valve, 1/16 Taper Seal 15KPSI PTFE | 700007011 |
| Valve, 1/4 MNPT-1/4 FNPT 6KPSI Needle    | 700006617 |

## **SFE 100, SFE 500, SFE 1000, SFE 2000**

### **Valves - continued**

|                                        |           |
|----------------------------------------|-----------|
| Valve, 1/4"MNPT 15-35PSI Pop Relief    | 700007010 |
| Valve, 3 Way 1/8 Needle Valve 2 Stem   | 700006788 |
| Valve, H 15Kpsi Needle 2 Way 1/8" Seal | 700006675 |
| Valve, H 15Kpsi Needle 2 Way 1/8" Seal | 700006675 |
| Vlv, Needle 3 Way 1/8" A Fittings      | 700006549 |

## **REACTORS**

### **Reactor Bodies**

|                                               |           |
|-----------------------------------------------|-----------|
| Reactor Body, 100 mL , No Windows             | 700007309 |
| Reactor Body, 250 mL , .875 windows, 90°      | 700007337 |
| Reactor Body, 250mL, .25" camera windows, 90° | 700007335 |

### **Fittings**

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/4" MNPT X 1/8" Male H         | 700007210 |
| Fitting, 1/4" NPT 90 Deg St El 316 SS    | 700007303 |
| Fitting, 1/8"MNPT-1/16"COMP Bore Thru SS | 700007338 |
| O-Ring, #212 70 Buna, <100C              | 700006620 |
| O-Ring, #212 PTFE Encapsulated Silicone  | 700006794 |

### **Miscellaneous**

|                                      |           |
|--------------------------------------|-----------|
| ADAPTER, BNC FEMALE - RCA MALE       | 700007385 |
| Adapter, BNC Male - RCA Female       | 700007248 |
| Board Assy, Video Overlay            | 700007214 |
| Cable Assy, BNC - BNC 12" Long       | 700007225 |
| Cable, DB25 Female - DB25 Female 6'  | 700007192 |
| Camera mounting adapter, .25" window | 700007200 |
| Camera, .250" Window - NTSC          | 700007202 |
| Converter, NTSC - PAL Digital        | 700007836 |
| Fuse, 3.15A 5 X 20MM Slow Blow       | 700007253 |

## REACTORS

### Miscellaneous - continued

|                                         |           |
|-----------------------------------------|-----------|
| KIT, R100CW - R250CW REACTOR            | 700007524 |
| Lamp Socket Assy, .250 Window 2.6V      | 700007213 |
| LED, White Mega Bright, T-1             | 700007384 |
| Screen, 1.17 VID Teflon                 | 700007209 |
| Seal, 200-600ML, Polyimide              | 700006565 |
| THERMOCOUPLE, DUAL J TYPE 1/16" X 2.375 | 700007326 |
| Tool, PLCC Chip Extractor               | 700008327 |
| Window Leakcheck Tube                   | 700007246 |
| Window Nut - .875" Dia. HP              | 700006616 |
| Window, .250" Dia, Non-UV, Sapphire     | 700006612 |

## VIEWCELL ASSEMBLY

### Bodies

|                                          |           |
|------------------------------------------|-----------|
| Viewcell Body, 100mL-HP .78VID .875"Wndw | 700007061 |
| Viewcell Body, 100mL-LP 1.18VID 1.25"Wnd | 700007050 |
| Viewcell Body, 250mL-LP 1.18VID 1.25"Wnd | 700007051 |
| Viewcell Body, 25mL-HP .78VID .875" Wndw | 700007059 |
| Viewcell Body, 25mL-LP 1.18VID 1.25"Wndw | 700007048 |
| Viewcell Body, 50mL-HP .78VID .875" Wndw | 700007060 |
| Viewcell Body, 50mL-LP 1.18VID 1.25"Wndw | 700007049 |
| Viewcell Body, 5mL-HP .78VID .875" Wndw  | 700007057 |

### Seal

|                                         |           |
|-----------------------------------------|-----------|
| O-Ring, #218 Silicone                   | 700007249 |
| O-ring, #212 70 Buna, <100C             | 700006620 |
| O-Ring, #212 PTFE Encapsulated Silicone | 700006794 |
| O-Ring, #218 Teflon Enc Sili SQ.C.S.    | 700006830 |



## VIEWCELL ASSEMBLY

### Viewcells

|                                          |           |
|------------------------------------------|-----------|
| Viewcell Assy, 100mL-HP .78VID .875"Wndw | 700007066 |
| Viewcell Assy, 100mL-LP 1.18VID 1.25"Wnd | 700007055 |
| Viewcell Assy, 10mL-HP .78VID .875" Wndw | 700007063 |
| Viewcell Assy, 10mL-LP 1.18VID 1.25"Wndw | 700007052 |
| Viewcell Assy, 250mL-LP 1.18VID 1.25"Wnd | 700007056 |
| Viewcell Assy, 25mL-HP .78VID .875" Wndw | 700007064 |
| Viewcell Assy, 25mL-LP 1.18VID 1.25"Wndw | 700007053 |
| Viewcell Assy, 50mL-HP .78VID .875" Wndw | 700007065 |
| Viewcell Assy, 50mL-LP 1.18VID 1.25"Wndw | 700007054 |
| Viewcell Assy, 5mL-HP .78VID .875"Wndw   | 700007062 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Camera Mntng Adptr, .25" Window Thin Wl  | 700007201 |
| Camera Mounting Adapter, .25" window     | 700007200 |
| Frit, 20ML Viewcell Piston               | 700007195 |
| O-Ring, #017 Silicone                    | 700007196 |
| Ring, .625" SS Internal Spiral Retaining | 700008804 |
| Seal Keeper, .375" ID                    | 700008801 |
| Spray, Teflon Dry Lubricant, 10 OZ       | 700006605 |
| Transducer, 0-6inch Linear               | 700008799 |
| Wrench, Spanner, 1.50" Pin Centers       | 700006742 |
| Wrench, Spanner, 1.25" Pin Centers       | 700006696 |

## STANDARD SOLUTIONS

### Solutions

|                                          |           |
|------------------------------------------|-----------|
| Sample, D-5186-96 Performance Solution   | 700007938 |
| Sample, D-6550 Standard                  | 700007939 |
| Sample, Diesel Fuel Set 2x1mL            | 700007941 |
| Sample, QC Gasoline Standard - 5 X 15mL  | 700007942 |
| Sample, Stock Olefin Calibration Std 1mL | 700007940 |

## PERTROANALYZER

### Components

|                                          |           |
|------------------------------------------|-----------|
| Clamp, 1.25" SS Tubing                   | 700007298 |
| Fitting, 1/16" H Ferrule                 | 700006796 |
| Fitting, 1/16" H Nut                     | 700006795 |
| Fitting, 1/16"-1/64" Polymide V Ferrule  | 700007263 |
| Plug, 6-20P NEMA 220 VAC                 | 700007777 |
| Plug, European 16A 250V, CEE 7/7         | 700008108 |
| Rotor, V Int Loop Endur/Alias Petro Cnfg | 700008162 |
| Sample, D-5186-96 Performance Solution   | 700007938 |
| Sample, D-6550 Standard                  | 700007939 |
| Sample, Diesel Fuel Set 2x1mL            | 700007941 |
| Sample, QC Gasoline Standard - 5 X 15mL  | 700007942 |
| Solenoid Valve, 1/4-28 Air Purge         | 700008798 |
| Stator, V Int Loop Endur Petro Config    | 700008163 |
| Tubing, PA FID Capillary - Type 1        | 700007961 |

## PM Kits - SFC/SFE

### Kits

|                            |           |
|----------------------------|-----------|
| ASFC Systems               | 700007703 |
| Collection Module          | 700007686 |
| Inj Module                 | 700007685 |
| Injection Pump             | 700007691 |
| P-200A                     | 700007688 |
| P-350                      | 700007689 |
| P-50                       | 700007684 |
| SFC-350 w/ P-200A Mod Pump | 700007701 |
| SFC-70                     | 700007697 |
| ABPR-20                    | 700007692 |
| ABPR-200                   | 700007693 |
| AMDS Systems               | 700007704 |

## **PM Kits - SFC/SFE**

### **Kits - continued**

|                                |           |
|--------------------------------|-----------|
| Analytical Fraction Collector  | 700007695 |
| ASFC Systems                   | 700007703 |
| BDS500                         | 700007782 |
| Collection Mod Investigator II | 700007687 |
| Endurance AS                   | 700007694 |
| FDM                            | 700007690 |
| Inj Module                     | 700007685 |
| Inj Module                     | 700007685 |
| Injection Pump                 | 700007691 |
| Investigator w/10 Fractions    | 700007708 |
| Investigator w/12 Fractions    | 700007709 |
| Investigator w/4 Fractions     | 700007705 |
| Investigator w/6 Fractions     | 700007706 |
| Investigator w/8 Fractions     | 700007707 |
| P-10                           | 700007683 |
| P-200A                         | 700007688 |
| P-350                          | 700007689 |
| P-50                           | 700007684 |
| SFC-200 w/ P-200A Mod Pump     | 700007699 |
| SFC-350 w/ P-200A Mod Pump     | 700007701 |
| SFC-70                         | 700007697 |

## **UPGRADE and SPARES KITS**

### **Kits**

|                                         |           |
|-----------------------------------------|-----------|
| Kit, 5cmid - 1/8" T. Col Connection     | 700007740 |
| KIT, AMDS SHIPPING                      | 700007443 |
| KIT, ASFC SPARE PARTS                   | 700007495 |
| Kit, C4 Series Prep Check Valve Rebuild | 700008110 |
| Kit, CM shelf for SFC200 and 350        | 700008041 |
| Kit, Col Mod 12 Pos Brd Interface Board | 700008156 |

## UPGRADE and SPARES KITS

### Kits - continued

|                                          |           |
|------------------------------------------|-----------|
| Kit, Col Mod FC Board Update for IMFC Bd | 700008155 |
| KIT, FDM10 MAINTENANCE                   | 700007355 |
| Kit, IM Solenoid Upgrade Kit             | 700007750 |
| Kit, Injection Module Vent Line Upgrade  | 700008153 |
| Kit, Invest with 4 Collect Spare Pts     | 700007490 |
| Kit, Investigator-10 Spare Parts         | 700007493 |
| Kit, Investigator-12 Spare Parts         | 700007494 |
| Kit, Investigator-6 Spare Parts          | 700007491 |
| Kit, Investigator-8 Spare Parts          | 700007492 |
| Kit, MBPR BP3 Seat/Seal                  | 700007553 |
| Kit, MBPR Diaphragm Assy for 04545       | 700007734 |
| Kit, Method Station Spare Parts          | 700007489 |
| Kit, MG II to Liquid Chill Upgrade       | 700008010 |
| Kit, MG III Liquid Chill Upgrade         | 700008011 |
| Kit, MGII Chiller Upgrd w/Pump Head HE   | 700008013 |
| Kit, MGIII Chiller Upgrd w/Pump Head HE  | 700008014 |
| Kit, MGII Upgrade Conductive PTFE Tubing | 700008008 |
| Kit, MGIII Upgrd Conductive PTFE Tubing  | 700008009 |
| Kit, R 6-Port 2-Pos 1/16" Man Inj Rbld   | 700007452 |
| KIT, R100CW - R250CW REACTOR             | 700007524 |
| Kit, Rbld for Inj & Col Mod 2 Pos Titan  | 700007958 |
| Kit, Rbld for Inj & Col Module 2 Pos Vlv | 700007612 |
| Rbld for Col Module 12 Pos Valve         | 700007615 |
| Kit, S1500 Piston Seal                   | 700007340 |
| Kit, SFC for MassLynx Integration        | 700007967 |
| Kit, Spare Parts-SFC200 w/P-200 Mod.PMP  | 700007486 |
| Kit, Spare Pts for SFC200 w/ P50 Mod     | 700007485 |
| Kit, SPM20 Spare Parts                   | 700007810 |
| Kit, SPM20- Star#2518 Hyd Cylndr Repair  | 700007795 |

## RECYCLER

### Automated Recycling

|                                         |           |
|-----------------------------------------|-----------|
| Kit, Automated Recycling for SFC80 110V | 700008106 |
| Kit, Automated Recycling- SFC200 110V   | 700008102 |
| Kit, Automated Recycling- SFC200 220V   | 700008103 |
| Kit, Automated Recycling- SFC350 110V   | 700008104 |
| Kit, Automated Recycling- SFC350 220V   | 700008105 |
| Kit, Automated Recycling- SFC80 220V    | 700008107 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/2" Barbx1/2"MNPT Polyethylene | 700007895 |
| Fitting, 1/2" Comp Tee                   | 700006674 |
| Fitting, 1/2" Comp Union                 | 700006673 |
| Fitting, 1/2" NPT Hex Nipple 316 SST     | 700007126 |
| Fitting, 1/2" NPT SS Street Elbow        | 700007132 |
| Fitting, 1/2" Tube Stub - 1/4" Comp      | 700006738 |
| Fitting, 1/4" Comp Ferrule Set           | 700006637 |
| Fitting, 1/4" FNPT - 1/2" Tube Stub      | 700006871 |
| Fitting, 1/4" Mnpt X 1/8" Mnpt           | 700007137 |
| Fitting, 1/4"FNPT-1/4" Comp. Blkhd Union | 700007140 |
| Fitting, 3/4" MNPT X 1/2" Comp           | 700007894 |
| Fitting, 3/8" Barb X 1/2" MNPT Nylon     | 700008187 |
| Tubing, 1/8"ODx.020"WLx10' 316SS         | 700006956 |

### Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Fraction Collector to Automa | 700007599 |
| Cable Assy, Solenoid Drive for Recycler  | 700008092 |
| Check Valve, 1/4 MNPT X 1/4" MNPT        | 700007133 |
| Clamp, 9/16" TO 1-1/16" Hose             | 700008072 |
| Lvl Sensor Assy, Float Type With Cable   | 700006941 |
| Power Supply, 12VDC,15W,85-230VAC, Ext   | 700006888 |
| Switch, 1/4 MPT Pressure Set To 1150 PSI | 700007442 |
| Switch, 1/4"MNPT 700-2500PSI Adj. Pres.  | 700007441 |
| Valve, 1/4"FNPT SS w/PTFE Seat/Seal Ball | 700008031 |
| Valve, P.R. 1250PSI 1/2" x 3/4"FNPT      | 700006927 |

## INVESTIGATOR

### Kits

|                                         |           |
|-----------------------------------------|-----------|
| Kit, Invest with 4 Collect Spare Pts    | 700007490 |
| Kit, Investigator Flow Upgrade          | 700008292 |
| Kit, Investigator-10 Spare Parts        | 700007493 |
| Kit, Investigator-10 w/2998 Spare Parts | 700008201 |
| Kit, Investigator-10 w/UV Spare Parts   | 700008205 |
| Kit, Investigator-12 Spare Parts        | 700007494 |
| Kit, Investigator-12 w/2998 Spare Parts | 700008202 |
| Kit, Investigator-12 w/UV Spare Parts   | 700008206 |
| Kit, Investigator-4 w/ UV Spare Parts   | 700008200 |
| Kit, Investigator-4 w/2998 Spare Parts  | 700008208 |
| Kit, Investigator-6 Spare Parts         | 700007491 |
| Kit, Investigator-6 w/ UV Spare Parts   | 700008203 |
| Kit, Investigator-6 w/2998 Spare Parts  | 700008209 |
| Kit, Investigator-8 Spare Parts         | 700007492 |
| Kit, Investigator-8 w/ UV Spare Parts   | 700008204 |
| Kit, Investigator-8 w/2998 Spare Parts  | 700008210 |

### Fittings

|                                         |           |
|-----------------------------------------|-----------|
| Fitting, 1/16" V Tee - .25 mm Bore      | 700006633 |
| Fitting, 1/8"U Tefzel Ferrule - Short   | 700007274 |
| Fitting, 1/16" 10-32 U Male Nut         | 700007257 |
| Fitting, 1/16" R SS Nut - Short         | 700007255 |
| Fitting, 1/16" U Lite-Touch Ferrule Set | 700007256 |
| Fitting, 1/16"Comp Ferrule Set          | 700007145 |
| Fitting, 1/16"Comp Nut                  | 700007146 |
| Fitting, 1/8" U Peek Nut - Short        | 700007272 |
| Tubing 50um x 1/16" c 50cm Nat          | 700008713 |
| Tubing, 1/16 OD x .020 ID SS 10.00 Long | 700008334 |

## INVESTIGATOR

### Miscellaneous

|                                      |           |
|--------------------------------------|-----------|
| Cbl Assy, Ctrl 2 Pin M to 2 Pin M 3' | 700006885 |
| Cbl Assy, TC Ext J Type M To M 3'    | 700006925 |
| Cable, USB - 16'                     | 700007302 |
| Check Vlv, S 1500 Inlet and Outlet   | 700007305 |
| Fraction Collection, 110V Manual     | 700008223 |
| Fraction Collection, 220V Manual     | 700008224 |

## ACTIVE SPLITTER

### Components

|                                          |           |
|------------------------------------------|-----------|
| Column Assy, Active Splitter             | 700008157 |
| Fitting, 1/32" U PEEK Micro LT Ferrule   | 700008128 |
| Tubing, 1/16"ODx.040"IDx3.97"/10cm 316SS | 700008216 |
| Tubing, 1/32" ODx25µm ID PEEKsil™-19.69" | 700008126 |
| Tubing, 1/32"OD X 25µmID PEEKsil™-12.00" | 700008214 |
| Splitter Assy, Active                    | 700008884 |

## SFC DETECTORS

### Agilent DAD

|                                  |           |
|----------------------------------|-----------|
| Cbl Assy, DAD Trigger from Alias | 700008025 |
| Cbl Assy, DAD Trigger from Leap  | 700008024 |
| Lamp, Deuterium, 1100 DAD        | 700008437 |
| Lamp, Tungsten, 1100 DAD         | 700008436 |

### Fluorescence FID

|                                          |           |
|------------------------------------------|-----------|
| Kit, Analytical FID Spare Parts          | 700007808 |
| Kit, Analytical FID w/ Alias Spare Parts | 700007809 |
| Tubing, PA FID Capillary - Type 1        | 700007961 |

## SFC DETECTORS

### Gilson Detector

|                                 |           |
|---------------------------------|-----------|
| Lamp, UV - For Gilson Detector  | 700007373 |
| LAMP, VIS - For Gilson Detector | 700007436 |

### Knauer UV Detector

|                      |           |
|----------------------|-----------|
| Fan, Knauer Detector | 700008085 |
|----------------------|-----------|

### PDA 2996/2998

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 2996 PDA Trigger from Alias  | 700008019 |
| Cable Assy, 2996 PDA Trigger from Endur. | 700008021 |
| Cable Assy, 2996 PDA Trigger from Leap   | 700008023 |
| Cable Assy, 2998 PDA Trigger from Alias  | 700008018 |
| Cable Assy, 2998 PDA Trigger from Endur. | 700008020 |
| Cable Assy, 2998 PDA Trigger from Leap   | 700008022 |
| Card, PCI-GPIB                           | 700007728 |
| Card, Video for PDA                      | 700007746 |
| Cell Assy, 2996 10mm PL 10mL- 400Bar     | 700007819 |

### PDA 2996/2998

|                                        |           |
|----------------------------------------|-----------|
| Cell Assy, 2996 3mm PL 100mL- 400Bar   | 700007820 |
| Cell Assy, 2998 Analyt 10mm PL- 400Bar | 700008232 |
| Cell Assy,2998 Prep Flow-0.5mm Path    | 700008233 |
| CELL ASSY,SFC ANALYT 5MM, 2UL          | 700007760 |
| Lamp, 2996 PDA Deuterium               | 700007731 |

### Peak Detector

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, Peak Det In- Ext 1 Ch w/Zero | 700007379 |
| Cable Assy, Peak Det In- Ext 2 CH w/zero | 700007380 |
| Cbl Assy, Peak Det In- Poly Sci ELSD     | 700007381 |
| Cbl Assy, Peak Det. Input Int.- 12"      | 700007378 |
| Cbl Assy, Pk Det Input Ext 4 Ch Wat UV   | 700007383 |
| Cbl, Peak Det In- Ext 1 G & 3 W UV       | 700007382 |
| Connector, DB15 F w/ Solder Pot          | 700007377 |



## SFC DETECTORS

### Waters 3100

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, 3100 & 2998 Trigger- Alias  | 700007720 |
| Cable Assy, 3100 & 2998 Trigger- Endur  | 700007719 |
| Cable Assy, 3100 & 2998/ELSD trigger    | 700008215 |
| Cable Assy, 3100 Trigger from Endurance | 700007727 |
| Cable Assy, MS 3100 Trigger from Alias  | 700007718 |
| Cable Assy, MS 3100 Trigger from Leap   | 700007717 |
| Kit, 3100, 2996 & Endurance Interface   | 700007667 |
| Kit, 3100, 2998 & Endurance Interface   | 700007657 |
| Kit, MS 3100 w/ Alias Interface         | 700007666 |
| Kit, MS 3100 w/ CTC AS Interface        | 700007665 |
| Kit, MS 3100 w/ Endurance Interface     | 700007664 |
| Kit, MS 3100 w/ PDA 2996 & Alias Intf.  | 700007653 |
| Kit, MS 3100 w/ PDA 2996 & CTC AS Intf. | 700007652 |
| Kit, MS 3100 w/ PDA 2998 & Alias Intf.  | 700007659 |
| Kit, MS 3100 w/ PDA 2998 & CTC AS Intf. | 700007658 |
| Kit, SFC for MassLynx Integration       | 700007967 |
| Kit, Spare Parts 3100 MS                | 700008295 |
| Kit, Spare Parts SSI 40ml Series 2 & 3  | 700008294 |

## SFC DETECTORS

### Waters ZQ

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, MS ZQ Trigger from Leap      | 700007716 |
| Cable Assy, ZQ & 2996 Trigger- Endurance | 700007721 |
| Cable Assy, ZQ & 2996 Trigger from Alias | 700007723 |
| Cable Assy, ZQ & 2996 Trigger from Leap  | 700007722 |
| Cable Assy, ZQ & 2998 Trigger- Endurance | 700007724 |
| Cable Assy, ZQ & 2998 Trigger from Alias | 700007726 |
| Cable Assy, ZQ & 2998 Trigger from Leap  | 700007725 |
| Cable Assy, ZQ Trigger from Endurance    | 700007715 |

## SFC DETECTORS

### Waters ZQ - continued

|                                          |           |
|------------------------------------------|-----------|
| Kit, MS ZQ w/ Alias Interface            | 700007660 |
| Kit, MS ZQ w/ CTC AS Interface           | 700007651 |
| Kit, MS ZQ w/ Endurance Interface        | 700007650 |
| Kit, MS ZQ w/ PDA 2996 & Alias Interface | 700007663 |
| Kit, MS ZQ w/ PDA 2996 & CTC Interface   | 700007662 |
| Kit, MS ZQ w/ PDA 2996 & Endurance Intf  | 700007661 |
| Kit, MS ZQ w/ PDA 2998 & Alias Interface | 700007656 |
| Kit, MS ZQ w/ PDA 2998 & CTC Interface   | 700007655 |
| Kit, MS ZQ w/ PDA 2998 & Endurance Intf  | 700007654 |
| Kit, SFC for MassLynx Integration        | 700007967 |

### Detectors- Miscellaneous

|                                          |           |
|------------------------------------------|-----------|
| Cell Assy, SFC Prep Flow 0.5mm, 2uL Vol. | 700007634 |
| DETECTOR,UV 10KPSi noFC ANALYTR          | 700007352 |

## METTLER SD-1

### Components

|                                          |           |
|------------------------------------------|-----------|
| Ball Screw, SD-1 piston drive            | 700008088 |
| Ball Screw, SD-1 piston drive - rebuilt  | 700008089 |
| Converter RS232 to RS422                 | 700008761 |
| Mettler SD-1 CE Compliant Com Cable Assy | 700008758 |
| SD-1 CE Compliant Comm Cable (CE)        | 700008759 |
| Tool Assy, SD-1 Pump Calibration         | 700008015 |

## FLUID CONTROL MODULE

### Boards

|                        |           |
|------------------------|-----------|
| Board, DC power supply | 700008492 |
| Board, Pump - CPU      | 700008491 |
| Board, SFC             | 700008489 |
| PCB, Pump AC Board     | 700008493 |
| PDC Board assy         | 700008343 |

## FLUID CONTROL MODULE

### Fittings & Tubing

|                                |           |
|--------------------------------|-----------|
| Check Valve 5.5mm ODx 15.8mm   | 700008374 |
| Ferrule 1/16" SS SSI           | 700008366 |
| Filter BHD 2um 1/16-1/8" SSI   | 700008348 |
| Filter Holder, Inline, ASFC    | 700008530 |
| Holder, Check valve            | 700008390 |
| Nut 1/16" SS SSI               | 700008365 |
| SS Tube, 1/16"ODx0.010"IDx55cm | 700008629 |
| Tube, SS, 1/16"ODx.040"IDx20cm | 700008603 |
| Tube, SS, 1/16"x0.020"IDx20cm  | 700008505 |
| Tubing, SS, 1/16" 0.040" 10cm  | 700008504 |
| Tubing, SS 1/16"x0.020"IDx10cm | 700008503 |

### Miscellaneous

|                                 |           |
|---------------------------------|-----------|
| Check Valve Weldment            | 700008494 |
| Pulse Damper (Sensor Kit) (JGL) | 700008495 |
| Supply Tube (CO2 Pump)          | 700008399 |
| Universal WID, 10X, New         | 700008688 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Boards

|                                          |           |
|------------------------------------------|-----------|
| Adapter, 10/100 Fast Ethernet PCI        | 700007927 |
| Board Assy, - Smart Actuator             | 700006771 |
| Board Assy, 12 Pos Titan HT BCD Logic    | 700007834 |
| Board Assy, 2 Pos TitanHT Level Logic    | 700007833 |
| Board Assy, 24V/5A Drive - Actuator Intf | 700007290 |
| Board Assy, Intf to Data Trans- 6 Cycl   | 700007329 |
| Board Assy, Intf to Data Translations    | 700007328 |
| Board Assy, Multiple Actuator Interface  | 700007837 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Boards - continued

|                                          |           |
|------------------------------------------|-----------|
| Board Assy, Programmed- Smart Actuator   | 700006965 |
| Board Assy, SPM Interface for LED Lamp   | 700007254 |
| Board Assy, Stepper Drive, 3A, 24-40VDC  | 700007307 |
| Board, Knauer K-2501 UV/VIS Reference    | 700008249 |
| Board, Knauer K-2501 UV/VIS Signal       | 700008248 |
| Card, 4 Channel 4-20MA Analog Input      | 700007157 |
| Card, 8 Port RocketPort PCI              | 700008003 |
| Card, DL05 2CH IN/2CH Out Voltage Analog | 700007188 |
| PLC ASSY, 4-20MA CARDS, CTRIO, HS OUTPUT | 700007421 |
| PLC Assy, Two 4-20mA Cards, Relay Output | 700007420 |
| PLC, 20 DC In/16 Source Out              | 700008113 |
| PLC, 8 DC In/6DC Out                     | 700007154 |

### Cable Assemblies

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, 220V In                      | 700007781 |
| Cable Assy, BNC - BNC 180" Long          | 700007228 |
| Cable Assy, BNC - BNC 36" Long           | 700007226 |
| Cable Assy, Bundle For Phase Analyzer    | 700007247 |
| Cable Assy, C-more Display Programming   | 700007930 |
| Cable Assy, Collection Module PLC Common | 700008079 |
| Cable Assy, Drain Input for SFC          | 700007784 |
| Cable Assy, Drain Output for SFC         | 700007785 |
| Cable Assy, Dual Pwr Out SFC Ctrlr       | 700007415 |
| Cable Assy, Ethernet Crossover- 10ft     | 700008115 |
| Cable Assy, FC 12V Power Supply Input    | 700007595 |
| Cable Assy, FC 12V Power Supply Output   | 700007593 |
| Cable Assy, Filter To Power Supply       | 700006766 |
| Cable Assy, Fract Col Solenoid Output    | 700007594 |
| Cable Assy, FS1, External                | 700007822 |
| Cable Assy, FS2, External                | 700007823 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Cable Assemblies - continued

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, FS3, External                | 700007824 |
| Cable Assy, FS4, External                | 700007825 |
| Cable assy, gnd - star to star 11"       | 700007469 |
| Cable assy, Gnd- Star to Star 6"         | 700007468 |
| Cbl Assy, Ground to Stud Wire - 4        | 700007153 |
| Cable Assy, IM PLC input Common Harness  | 700007956 |
| Cable Assy, IM PLC output Common         | 700007957 |
| Cable Assy, IM FC Intf. to PLC           | 700007897 |
| Cbl Assy, IM FC Power Supply Out         | 700007896 |
| Cable Assy, IM FC Solenoid Drive         | 700007567 |
| Cable Assy, IM FC to LED Board           | 700007577 |
| Cable Assy, Injection Method Selector    | 700008080 |
| Cable Assy, Internal Heater Out          | 700007219 |
| Cable Assy, Level Sensor In              | 700007763 |
| Cable Assy, Level Sensor In              | 700007418 |
| Cable Assy, Male to Male DB9 Adapter     | 700008314 |
| Cable Assy, Microlee to Sielco Ctrlr 14" | 700007182 |
| Cable Assy, Modified Ribbon - 16         | 700007174 |
| Cable Assy, Optical Sensor- Waste        | 700007668 |
| Cable Assy, Oven HV Single Conductor     | 700007857 |
| Cable Assy, PLC to Syringe Pump          | 700007580 |
| Cable Assy, PS1, External                | 700007826 |
| Cbl Assy, RS 232 DB9 - 3 PIN - 6'        | 700006500 |
| Connector, RJ11 To DB25S Female          | 700006527 |
| Cable Assy, RS-232 DB9F - DB9F 2M        | 700007578 |
| Cable Assy, RS-232 DB9F - DB9F 5M        | 700007579 |
| Cable Assy, RS 232 DB9 - 3 PIN - 15'     | 700006501 |
| Cable Assy, SFC PLC 12 V Input Harness   | 700007786 |
| Cable Assy, SFC Controller Relay Input   | 700008252 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Cable Assemblies - continued

|                                          |           |
|------------------------------------------|-----------|
| Cable Assy, SFC Input Common Harness     | 700007787 |
| Cable Assy, SFC Output Common Harness    | 700007788 |
| Cable Assy, Solenoid Drive- 168"         | 700007171 |
| Cbl Assy, TC Converter to BD - 9"        | 700007193 |
| Cable Assy, Titan HT 1 valve to IMFC Bd  | 700007841 |
| Cable Assy, Titan HT to Power Supply     | 700007842 |
| Cable Assy, Titan HT valve 1 to INTF Bd  | 700007931 |
| Cable Assy, Titan HT valve 2 to INTF Bd  | 700007932 |
| Cable Assy, Valco actuator set-up        | 700007855 |
| Cable, ADC PLC RJ12 Port EZ-Touch/Text   | 700007499 |
| Cable, Analog Intf for Polymertech ELSD  | 700007832 |
| Cable, Fraction Collector Interface- 24" | 700007419 |
| Cable, RS232 DB9M - DB9F 25'             | 700007791 |
| Cable, RS232 DB9M - DB9F 2M              | 700007351 |
| Remote start/stop cable, REV F           | 700008382 |
| Y-Cable DB9-F to DB9-M + DB9-M 8IN.      | 700008340 |

### Components

|                                          |           |
|------------------------------------------|-----------|
| Adapter, DB9F to DB9F straight thru      | 700008253 |
| BELT, .375" PITCH X 55 TEETH X .50" WIDE | 700007392 |
| Belt, 5mmHTD 100 Teeth 15MM W Timing     | 700007178 |
| Bottle Assy, 2L Analytical Vent          | 700007672 |
| BOTTLE, 250ML GRADUATED BOROSILICATE     | 700007358 |
| BOTTLE, 500ML AMBER POLYETHYLENE         | 700007504 |
| Cable Assy, SD Alignment                 | 700006946 |
| Cap Assy, GL45 SFC Collection Bottle     | 700007649 |
| Cap Insert, GL45 SFC Collection Bottle   | 700007646 |
| Cap, GL45 SFC Collection Bottle          | 700007647 |
| Cap, SFC MD Gas-Liquid Separator Bottom  | 700007987 |
| Card, Analog 24 BIT 4 Channel            | 700007211 |
| Card, High Speed Counter Controller      | 700007330 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Components - continued

|                                          |           |
|------------------------------------------|-----------|
| Check Valve, 1/4" MNPT X 1/4" FNPT       | 700006869 |
| Check Valve, 1/8"H 15KPSI PTFE Soft Seal | 700007013 |
| Check Valve, Inlet 3 PSI 1/4-28 .02in    | 700007828 |
| Check Valve, S High Flow In and Out      | 700008040 |
| Clamp, 1/2" to 9/32 Tubing Snap Grip     | 700008167 |
| Coil, 10' 10KPSI                         | 700006849 |
| Coil, 10' 6KPSI                          | 700006847 |
| Coil, 20' 10KPSI                         | 700006850 |
| Coil, 20' 6KPSI                          | 700006848 |
| Collar, 1/8" Thermocouple Mounting       | 700007792 |
| Collar, 6VOD MTG                         | 700006976 |
| COLUMN RESERVOIR CAP, 2CMID X 2.12 VID   | 700007525 |
| CONNECTOR, 1.3MM DC INLINE POWER JACK    | 700007333 |
| CONNECTOR, DB9 LOOP BACK                 | 700007350 |
| Connector, F EU1-16 To NEMA6-15R Adptr   | 700006990 |
| Controller Assy Refub, 6 Zone- Base      | 700006853 |
| Controller, 6 Loop with TC Inputs        | 700007155 |
| Controller, Hi Torque Multiposition Vlv  | 700007884 |
| Converter, RS-232 To RS-422              | 700007156 |
| Converter, RS-232 to RS-422              | 700007183 |
| Coupler, .25" Bore L050 Jaw Type         | 700006814 |
| Cover, 15 Pin DB Backshell               | 700007375 |
| Crate, 29"Lx21"W x21"H ID- P200          | 700006684 |
| Crate, SD1 shipping                      | 700008243 |
| Display Kit, CN6 Controller              | 700007181 |
| Display, Ez Text Keypad Panel            | 700007190 |
| Gauge, 0-200 PSI Rear Mnt 1/4"NPT        | 700007618 |
| Grease, Lithium White with Teflon        | 700007163 |
| Impeller, 1.17"VID SS w/ Set Screw       | 700006787 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Components - continued

|                                          |           |
|------------------------------------------|-----------|
| INJECTION ASSY, SFC DIRECT               | 700007426 |
| INSULATION, 1/2"ID x 1/2"THK ELASTO FOAM | 700007512 |
| Insulation, 1/4"IDx1/4"THK Foam Rubber   | 700007891 |
| INSULATION, 1-5/8"IDx1/2"THK ELASTO FOAM | 700007889 |
| INSULATION, 2"W x1/8"TH x30' ELASTO TAPE | 700008283 |
| INSULATION, 3/4"ID x 1/2"THK ELASTO FOAM | 700007890 |
| Jumper, DIN Rail Terminal Block          | 700007158 |
| Keyboard, Antimicrobial Washable- USB    | 700008123 |
| Kit, 1/8" Comp. Two Way Ball Vlv Repair  | 700006906 |
| Label, Vent Tubing Explosion Caution     | 700008285 |
| Lamp, Blue/Green Selector                | 700007386 |
| Manifold, 7 Port 316 Stainless Steel V   | 700007547 |
| Manifold, CO2 Cylinder 6 Pack            | 700007970 |
| Mouse, Medical Grade Washable- USB       | 700008124 |
| Nut, SFC MD Gas-Liquid Separator Tube    | 700007988 |
| Oil, M5 Hydraulic                        | 700007998 |
| Pump, Manual Water Hydraulic             | 700007185 |
| Pump, Peristaltic w/sil tubing- Ag smplr | 700008222 |
| Pump, Single Head 5mL/min 500PSI 24VDC   | 700007416 |
| Relay Box Assy, Low Voltage DC           | 700007637 |
| Relay Box, Sielco Ctrlr Pwr Cut-Off      | 700008178 |
| Relay, SPDT 24VDC 6 Amp Ultra Thin       | 700008169 |
| Restrictor, High Flow - Type 2           | 700008171 |
| Rod, Threaded 10-32 x 2.25               | 700008161 |
| Rotor, Column Selector Valve, 10 Port    | 700007909 |
| Rotor, R 7413 Injection Valve            | 700007948 |
| Rotor, V DC6W Injection Valve            | 700008032 |
| Separator, SFC MD Poly Carb Gas-Liquid   | 700007982 |



## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Components - continued

|                                         |           |
|-----------------------------------------|-----------|
| Solenoid Valve, 3 Way-Open-200PSI       | 700006843 |
| Solenoid Valve, 2 Way NC 12VDC 1KPSI    | 700006844 |
| Spacer, Magnetic Latch                  | 700008007 |
| Stator, Column Selector Valve, 10 Port  | 700007910 |
| Stator, R 7413 Injection Valve          | 700007947 |
| Fitting, P Stir Port Adapter            | 700006846 |
| Supply, Standalone Camera and LED       | 700007558 |
| Switch Assy, pressure safety            | 700007886 |
| Switch, Pressure 700 - 1500 psi         | 700007885 |
| SYRINGE, 30ML GENERAL USE               | 700007359 |
| TAPE, 1/4" WIDE MIL GRADE TEFLON        | 700007511 |
| Fuse, 20Amp FNQ                         | 700006526 |
| Tray, 12.75 X 10.38 X 6.00 SS           | 700007912 |
| TSO, Trans-Stilbene Oxide 25 Grams      | 700007304 |
| Valve, 1/8" Comp 3 Way Common In or Out | 700007127 |
| Valve, 6-Port 2-Position 1/8" V         | 700006693 |

### Electrical

|                                          |           |
|------------------------------------------|-----------|
| Actuator Assy, 110V 6 Port 2Pos 1/8"- SA | 700006961 |
| Battery, Lithium 3.6V 1/2AA              | 700008172 |
| Cap, For Staring Capacitor, 1 7/16 Dia   | 700008286 |
| Capacitor, 233-280uF 50/60Hz 110-125V    | 700008109 |
| Connector, RJ11-DB9M                     | 700006525 |
| Connector, RJ11 To DB9F                  | 700006724 |
| Cord Assy, 220VAC European - IEC 309 20A | 700007023 |
| Cord, 110V 18AWG Pwr Straight End 10ft   | 700007953 |
| Cord, 220V AC INP 3 X 1.5MM 16AMP Power  | 700006918 |
| Cord, 220VAC EU - C7 2 Pin 2.5A 1.8M     | 700006982 |
| Cord, Ext 110V 50Ft. 15Amp 1875W 12AWG   | 700007603 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Electrical - continued

|                                          |           |
|------------------------------------------|-----------|
| Cord, Power 20A 6-20 Plug                | 700007021 |
| Cord, Pwr 100-230V C14M -C19F 15A 10ft   | 700008118 |
| Coupler, V                               | 700006868 |
| Fuse, 10AMP 5 X 20MM Slow Blow           | 700006530 |
| Fuse, 12A Fast Acting 3AB .25 X 1.25     | 700007018 |
| Fuse, 15Amp 13/32" X 1-1/2" Baf Style    | 700007793 |
| Fuse, 5Amp 5mm X 20mm Slow Blow          | 700006894 |
| Fuse, 6.3Amp 5 X 20mm Slow Blow          | 700006907 |
| Plug, 5-15P NEMA 110 VAC                 | 700007604 |
| Power Supply, 12V 20W 90-264VAC IN       | 700006753 |
| Power Supply, 24V,20W,90-264Vac In       | 700006882 |
| Power Supply, 24VDC 12A DIN 115/230VAC   | 700007484 |
| POWER SUPPLY, DESKTOP 24V 72W            | 700007636 |
| Pres Trans, 10KPSI 4-20mA 1/8"MNPT       | 700007316 |
| Pres Trans, 1500PSI 4-20mA 1/8"MNPT 48"  | 700007317 |
| Pres Trans, 7/16-20 10KPSI 4-20MA        | 700007186 |
| Pressure Trans Assy, 1/4MNPT 10KPSI      | 700007015 |
| Pressure Trans. Assy, 1/4MNPT 10KPSI     | 700007014 |
| Pressure Trans. Assy, 1/4MNPT 10KPSI     | 700007017 |
| Pressure Transducer, 0 Dead Vol FlowThru | 700007454 |
| Relay, 20VDC - 2.5Amp 6Pin Dip           | 700007325 |
| Relay, 24VDC Coil SPDT W/Bracket         | 700007216 |
| Relay, Optical 240VDC 18A                | 700007217 |
| Relay, Power Control 220V 20A C-20       | 700007019 |
| Relay, Power Control 220V 20A European   | 700007020 |
| Resistor, 274 Ohm ,1%, 1/4W              | 700007839 |
| Resistor, 500 Ohm 1/4W 1%                | 700007505 |
| Supply, UV lamp power                    | 700008229 |
| Thermocouple Assy, J Type Clamp 3"x3.25" | 700006924 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Electrical - continued

|                                         |           |
|-----------------------------------------|-----------|
| Thermocouple Assy, J-Type 1/8"x2.5"L    | 700006943 |
| Thermocouple Assy, J-Type 1/8"x2.5"L    | 700006944 |
| Thermocouple Assy, J-Type w/Conn        | 700006945 |
| Thermocouple, Dual J Type 1/8" x 1-1/4" | 700008149 |
| Thermostat, 1/2" Dia, 120F (49C)        | 700008212 |

### Discs

|                                          |           |
|------------------------------------------|-----------|
| Disc Assy, 6KPSI 1/4"MPT-1/2"MPT Rupture | 700006786 |
| Disc Housing, 1500PSI 1/4-1/2NPT Rupture | 700006737 |
| Disc Housing, UA-2 1/2" FNPT Rupture     | 700008066 |
| Disc, 10,000PSI 1/2" Rupture             | 700006802 |
| Disc, 10,000PSI 1/2" Rupture CE          | 700006803 |
| Disc, 1500PSI 1/2" Rupture               | 700006732 |
| Disc, 2,900 PSI 1/2" Rupture             | 700008067 |
| Disc, 6000PSI 1/2" Rupture               | 700006736 |
| Disc, 7000PSI 3/16 +9% 72°F Rupture      | 700006716 |
| Disc, 7000PSI 3/16" +9% 72°F Rupture CE  | 700006717 |

### Filters

|                                          |           |
|------------------------------------------|-----------|
| Filter Assy, 1/8" 20Micron Solvent Inlet | 700007811 |
| Filter Element, .5 Micron Inline         | 700007812 |
| Filter Element, 20 Micron Solvent Inlet  | 700007353 |
| Filter Kit, 5 micron for part# 06013     | 700007354 |
| Filter, 1/16" HP Inline - .5 Micron      | 700007876 |
| Filter, 2 Micron Iso-Prep Replacement    | 700008142 |

### Fittings

|                                |           |
|--------------------------------|-----------|
| Fastener, 1/4"-20 X 2" SS SHCS | 700008017 |
| Fastener, 10-32 X 3/4" SS PFHS | 700006676 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Fittings - continued

|                                          |           |
|------------------------------------------|-----------|
| Fastener, 4-40 X 3/8" Steel TORX Plus    | 700007161 |
| Frit 1L- 3VID, 1 Micron                  | 700006574 |
| Filter Element, 10 MICR SS Mesh          | 700006729 |
| Fitting, .5Mic Element- 6F/8F/6TF/8TF    | 700008114 |
| Fitting, 1/16 MNPT to hose barb, brass   | 700008033 |
| Fitting, 1/16" A Nut                     | 700006644 |
| Fitting, 1/16" B Ferrule                 | 700007479 |
| Fitting, 1/16" B Nut                     | 700007478 |
| Fitting, 1/16" Comp Teflon Back Ferrule  | 700007611 |
| Fitting, 1/16" Comp Teflon Front Ferrule | 700007610 |
| FITTING, 1/16" COMP. TEE                 | 700007345 |
| Fitting, 1/16" Flangeless Ferrule        | 700007635 |
| Fitting, 1/16" Flangeless Fitting Set    | 700007477 |
| Fitting, 1/16" H Ferrule                 | 700006947 |
| Fitting, 1/16" H. Taper Seal Plug        | 700007739 |
| Fitting, 1/16" KEL-F Nut & Ferrule Set   | 700007440 |
| Fitting, 1/16" Litetouch Nut, 10-32 Peek | 700008086 |
| Fitting, 1/16" Long R SS Nut             | 700007364 |
| Fitting, 1/16" NPT SS Plug               | 700006718 |
| Fitting, 1/16" Peek Fingertight V Nut    | 700007398 |
| Fitting, 1/16" PEEK V Ferrule            | 700007399 |
| Fitting, 1/16" R Peek Ferrule            | 700007367 |
| Fitting, 1/16" R Peek Nut & Ferrule Set  | 700007366 |
| Fitting, 1/16" R Peek Plug               | 700007585 |
| Fitting, 1/16" R SS Ferrule              | 700007365 |
| Fitting, 1/16" S Straight Ferrule        | 700006645 |
| Fitting, 1/16" Sealtight Ferrule, peek   | 700008087 |
| Fitting, 1/16" U PEEK Nut/Ferrule- Long  | 700008129 |
| Fitting, 1/16" V Long Plug               | 700006714 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Fittings - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 1/16" V Plug                    | 700006623 |
| Fitting, 1/16"x.030" Bore KEL-F Tee      | 700007476 |
| Fitting, 1/2" Comp Ferrule Set           | 700007503 |
| Fitting, 1/2" Comp Ferrule Set Clear PFA | 700008170 |
| Fitting, 1/2" Comp Nut                   | 700007502 |
| Fitting, 1/2" Mnpt - 1/2" Comp Run Tee   | 700006658 |
| Fitting, 1/2" Mnpt - 1/8" Comp           | 700006659 |
| Fitting, 1/2" Mnpt - 3/8 Tube Stub       | 700006652 |
| Fitting, 1/2" MNPT X 1/8" MNPT           | 700007560 |
| Fitting, 1/2" NPT Tee                    | 700007562 |
| Fitting, 1/2" Tube End - 1/4" Fnpt       | 700006672 |
| Fitting, 1/2"MNPT X 1/2" Comp            | 700007427 |
| Fitting, 1/2"MNPT X 1/2"FNPT Hex Nipple  | 700007541 |
| Fitting, 1/4" - 1/16" V Int. Reducer     | 700006697 |
| Fitting, 1/4" Comp Union Cross           | 700007783 |
| Fitting, 1/4" Comp. Plug Cap             | 700007853 |
| Fitting, 1/4" FNPT - 1/4" Comp. Tee      | 700007296 |
| Fitting, 1/4" Fnpt - 3/8" Comp, Brass    | 700006688 |
| Fitting, 1/4" Fnpt - 3/8" Tube End       | 700006661 |
| Fitting, 1/4" FNPT X 1/8" MNPT           | 700007561 |
| Fitting, 1/4" H M x 1/16" H F            | 700007737 |
| Fitting, 1/4" H M x 1/8" H F             | 700007738 |
| Fitting, 1/4" MNPT - 1/2" Comp           | 700006653 |
| Fitting, 1/4" Mnpt - 1/8" Tube MBTE      | 700006706 |
| Fitting, 1/4" Mnpt Plastic Shutoff       | 700006656 |
| Fitting, 1/4" MNPT X 3/16" Comp          | 700008147 |
| Fitting, 1/4" NPT 45 Deg St El 316 SS    | 700007130 |
| Fitting, 1/4" Npt Close Nipple           | 700006725 |
| Fitting, 1/4" Tube Stub - 1/4" Comp      | 700006827 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Fittings - continued

|                                          |           |
|------------------------------------------|-----------|
| FITTING, 1/4" TUBE TAPER SEAL FERRULE    | 700007390 |
| FITTING, 1/4" TUBE TAPER SEAL GLAND NUT  | 700007389 |
| FITTING, 1/4" TUBE TAPER SEAL PLUG       | 700007391 |
| Fitting, 1/4" V Nut                      | 700006635 |
| Fitting, 1/4" V Plug                     | 700006625 |
| Fitting, 1/4" V. External Nut            | 700007969 |
| Fitting, 1/4" V. Ferrule                 | 700007911 |
| Fitting, 1/4"Comp x 3/8" Tube Stub       | 700007908 |
| Fitting, 1/4"Mnpt To 1/4" Tube Stub      | 700006770 |
| Fitting, 1/4"x1/16" Comp Reducer Union   | 700008180 |
| Fitting, 1/4-28 Tefzel U Plug            | 700008132 |
| Ring, 2.5 OR 3 Liter Bolster             | 700006541 |
| Fitting, 1/8" Comp Plug                  | 700007206 |
| Fitting, 1/8" Ferrule - A/S              | 700006859 |
| Fitting, 1/8" Long V Nut                 | 700006648 |
| Fitting, 1/8" MNPT TO 1/4" Comp          | 700007344 |
| Fitting, 1/8" MNPT x 1/16" Male H        | 700008042 |
| Fitting, 1/8" MNPT X 1/16" V             | 700006699 |
| Fitting, 1/8" MNPT X 1/4" Comp Bore Thru | 700007835 |
| Fitting, 1/8" NPT PFA Plug               | 700008002 |
| Fitting, 1/8" Nut - A/S                  | 700006858 |
| Fitting, 1/8" Peek U Nut                 | 700007273 |
| Fitting, 1/8" Swag Cross                 | 700006627 |
| Fitting, 1/8" Tube X 10-32 UNF           | 700007497 |
| Fitting, 1/8" V Plug                     | 700006624 |
| Fitting, 10-32 Screw Plug                | 700007516 |
| Fitting, 3/16" Peek U Nut                | 700008130 |
| Fitting, 3/16" Tefzel U Ferrule          | 700008131 |
| FITTING, 3/8" BARB X 3/8" BARB NYLON     | 700007346 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Fittings - continued

|                                          |           |
|------------------------------------------|-----------|
| Fitting, 3/8" Barb X 3/8" MNPT           | 700006792 |
| Fitting, 3/8" x 1/4" Comp Reducer Union  | 700007925 |
| Fitting, CO2 CGA-622 Nipple              | 700007762 |
| Fitting, CO2 CGA-622 Nut                 | 700007761 |
| Fitting, hose barb for seal wash         | 700008188 |
| Fitting, Rupture Disc Housing Ferrule    | 700006866 |
| Fitting, Slipfree 1/16" SS Ferrule       | 700007237 |
| Fitting, Slipfree 1/16" Vespel Ferrule   | 700006781 |
| Fitting, Slipfree Compression Nut - Peek | 700007239 |
| Fitting, Slipfree Locking Cap - Peek     | 700007238 |
| O-Ring, #258 Silicone                    | 700006573 |
| O-Ring, 3-3/16"OD X 3"ID Buna            | 700006554 |
| Plug, USB Blank                          | 700007464 |
| Washer,B Micrometering Vlv Pk            | 700006912 |
| Washer,Tef Micrometering Vlv Pk          | 700006914 |

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Tubing, 0.516"ODx0.472"IDx120" Corg PTFE | 700008166 |
| Kit, AMDS II w/UV Detector Spares        | 700008199 |
| Kit, AMDS II w/ 2998 PDA Spares          | 700008207 |
| Kit, B Valve Repair/Rebuild              | 700006819 |
| Kit, I.M. Titan Valve Upgrade            | 700008281 |
| Kit, Inlet Line w/Filter & Tubing S Pump | 700007022 |
| Kit, Peek Go BPR Rebuild BP66            | 700006841 |
| Kit, Sielco Controller Pwr Cut-Off       | 700008179 |
| Kit, Temp. Ctlr Safety Relay- SFC200/350 | 700008173 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Loops

|                                     |           |
|-------------------------------------|-----------|
| Loop Disc, R 7413 Injection Valve   | 700007963 |
| Loop, 1/16" OD for 6W Valves - 20µL | 700007944 |
| Loop, 1/16" OD for 6W Valves - 2mL  | 700007943 |
| Loop, 1/8" OD for 6UW valves - 10mL | 700007458 |
| Loop, 1/8" OD for 6UW valves - 1mL  | 700007455 |
| Loop, 1/8" OD for 6UW valves - 20mL | 700007459 |
| Loop, 1/8" OD for 6UW valves - 2mL  | 700007456 |
| Loop, 1/8" OD for 6UW valves - 5mL  | 700007457 |
| Loop, 1/8" OD for 6UW valves - 6mL  | 700007460 |
| Loop, 1/8" OD for 6UW valves - 7mL  | 700007461 |
| Loop, 1/8" OD for 6UW valves - 8mL  | 700007462 |
| Loop, 1/8" OD for 6UW valves - 9mL  | 700007463 |
| Loop, 1mL Large Bore 1/16" Sample   | 700007743 |
| Loop, 2mL Large Bore 1/16" Sample   | 700007744 |
| Loop, 5mL Large Bore 1/16 Sample    | 700007742 |

### Nozzle

|                                          |           |
|------------------------------------------|-----------|
| Nozzle Assy, 1/8" NPTF PCA .006" Orifice | 700007266 |
| Nozzle Assy, 1/8" NPTF PCA .008" Orifice | 700007267 |
| Nozzle Assy, Ress w/ .006" Sapphire Disc | 700007030 |
| Nozzle Assy, Ress w/ .008" Sapphire Disc | 700007031 |
| Nozzle Body, 5/16-18 X 1/8-27 NPTF       | 700007264 |
| NOZZLE, .004" DIA ORIFICE X 1/8" NPTF    | 700007259 |
| NOZZLE, .006" DIA ORIFICE X 1/8" NPTF    | 700007260 |
| NOZZLE, .008" DIA ORIFICE X 1/8" NPTF    | 700007261 |
| Nozzle, Sapphire VEE .004" Hole          | 700006692 |
| Nozzle, Sapphire VEE .006"Hole           | 700006702 |
| Nozzle, Sapphire VEE .008"Hole           | 700006703 |



## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### O-Rings

|                                          |           |
|------------------------------------------|-----------|
| O-Ring, # 012 Virgin Teflon              | 700006691 |
| O-ring, #010 EPDM                        | 700007729 |
| O-Ring, #010 Silicone                    | 700007197 |
| O-ring, #012 EPDM                        | 700007730 |
| O-Ring, #015 Kalrez MM-D06 Mag Stir      | 700007038 |
| O-Ring, #020 Silicon                     | 700006838 |
| O-Ring, #020 Teflon                      | 700007933 |
| O-Ring, #025 Silicone                    | 700007986 |
| O-RING, #034 TEFLON                      | 700007388 |
| O-Ring, #043 Teflon                      | 700007173 |
| O-Ring, #11 Virgin Teflon                | 700006816 |
| O-Ring, #117 Teflon                      | 700007747 |
| O-ring, #119 EPDM Shore 80               | 700007893 |
| O-Ring, #120 Virgin Teflon               | 700006615 |
| O-Ring, #122 Buna                        | 700007300 |
| O-ring, #129 Virgin Teflon               | 700006598 |
| O-Ring, #136 Silicone                    | 700006829 |
| O-Ring, #20 Teflon                       | 700006614 |
| O-Ring, #214 Teflon Encapsulated Viton   | 700007424 |
| O-Ring, #222 Teflon                      | 700007212 |
| O-Ring, #223 Silicon                     | 700006839 |
| O-Ring, #223 Teflon Encapsulated Viton   | 700007425 |
| O-Ring, #240 Teflon Encapsulated Silicon | 700007175 |
| Disc, 7500PSI 85% High Crown Rupture     | 700006567 |
| O-Ring, #904 Teflon                      | 700007204 |
| Fitting, 1/8" 316SS A Cross              | 700006547 |
| O-Ring, Teflon Stirrer Top Seal          | 700006966 |
| Tie Wrap, Medium (8 Inch)                | 700006539 |
| Ring, 200-600 Vessel Seal Peek Backup    | 700006730 |
| Ring, Plunger Seal Face                  | 700006777 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Seals

|                                          |           |
|------------------------------------------|-----------|
| SEAL, 200-600ML, GFPM (BLACK)            | 700007414 |
| Seal, 240ML Syringe Pump Piston          | 700006597 |
| Seal, 5cmID Column 1L Cap Teflon         | 700007387 |
| Seal, 5L-4VID Polyimide, Med-Hvy Spring  | 700007794 |
| Seal, C-Ring 1.375"ODx1.225"Ref IDx.094" | 700007041 |
| SEAL, GFP TEFLON FACE - 2CMID COLUMN     | 700007526 |
| Seal, R 7413 Injection Valve Isolation   | 700007964 |
| Seal, SP300B PTFE Bronze Piston          | 700007400 |
| Seal, Syringe Pump                       | 700006773 |

### Sensors

|                                          |           |
|------------------------------------------|-----------|
| Leak Sensor                              | 700008434 |
| Sensor Assy, 1/2 MNPT 2500 PSI Optical   | 700007563 |
| Sensor Assy, optical mntd in drain tee   | 700008152 |
| Sensor, 1/2" MNPT 12VDC 2500 PSI Optical | 700007559 |
| Sensor, PT100 temperature                | 700008143 |

### Tubing

|                                          |           |
|------------------------------------------|-----------|
| Hose, 1/4"FNPTx1/2"TubeStubx10'L SS/PTFE | 700007548 |
| Tube, 3/8"X36" Flexible, High Press      | 700006657 |
| Tube, GLS Glass Expansion                | 700008135 |
| Tube, Lollypop Holder                    | 700007989 |
| Tube, SFC MD Gas-Liquid Separator Sight  | 700007985 |
| Tubing assembly, FDM Inlet blk-head      | 700008319 |
| Tubing assembly, FDM Outlet Hd-blk       | 700008320 |
| Tubing Assy, 1/16"OD X .010"ID Column    | 700007422 |
| Tubing Assy, 1/16"ODx.010ID Column 3"    | 700007423 |
| TUBING ASSY, INLET CGA CONN. X 1/8" COMP | 700007360 |
| Tubing Hose, 12" Braid Teflon/SS         | 700006818 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Tubing - continued

|                                          |           |
|------------------------------------------|-----------|
| Tubing, 0.516"ODx0.472"IDx24" Corg. PTFE | 700008164 |
| Tubing, 0.516"ODx0.472"IDx96" Corg. PTFE | 700008165 |
| Tubing, 1/16" OD X .0025" ID X 24" PEEK  | 700008287 |
| Tubing, 1/16" OD X .010"Wall X 3" lg 316 | 700008316 |
| Tubing, 1/16" ODx.010"ID 316 24"         | 700007409 |
| Tubing, 1/16" ODx.010"ID 316 30"         | 700007408 |
| Tubing, 1/16", 0.0425 ID, 120" Length    | 700008811 |
| Tubing, 1/16", 0.0425 ID, 24" Length     | 700008808 |
| Tubing, 1/16", 0.0425 ID, 36Length       | 700008809 |
| Tubing, 1/16", 0.0425 ID, 60Length       | 700008810 |
| Tubing, 1/16"O.D. X .010"l.D. SS- 22.00  | 700007405 |
| Tubing, 1/16"ODx.004"ID 316 SS- 11.00"   | 700007914 |
| Tubing, 1/16"ODx.004"ID 316 SS- 13.50"   | 700007916 |
| Tubing, 1/16"ODx.004"ID 316 SS- 15.00"   | 700007913 |
| Tubing, 1/16"ODx.004"ID 316 SS- 16.00"   | 700007917 |
| Tubing, 1/16"ODx.004"ID 316 SS- 18.50"   | 700007920 |
| Tubing, 1/16"ODx.004"ID 316 SS- 21.00"   | 700007922 |
| Tubing, 1/16"ODx.004"ID 316 SS- 22.50"   | 700007924 |
| Tubing, 1/16"ODx.004"ID 316 SS- 24.00"   | 700007915 |
| Tubing, 1/16"ODx.004"ID 316 SS- 34.00"   | 700007918 |
| Tubing, 1/16"ODx.004"ID 316 SS- 5.50"    | 700007921 |
| Tubing, 1/16"ODx.004"ID 316 SS- 6.00"    | 700007919 |
| Tubing, 1/16"ODx.004"ID 316 SS- 9.50"    | 700007923 |
| Tubing, 1/16"ODx.007"IDx19.69"/50cm PEEK | 700008250 |
| Tubing, 1/16"ODx.010"ID 316 SS- 15.00"   | 700007401 |
| Tubing, 1/16"ODx.010"ID 316 SS- 16.00"   | 700007406 |
| Tubing, 1/16"ODx.010"ID 316 SS- 20.00"   | 700007407 |
| Tubing, 1/16"ODx.010"ID 316 SS- 3.00"    | 700007411 |
| Tubing, 1/16"ODx.010"ID 316 SS- 36.00"   | 700007412 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Tubing - continued

|                                           |           |
|-------------------------------------------|-----------|
| Tubing, 1/16"ODx.010"ID 316 SS- 42.00"    | 700007404 |
| Tubing, 1/16"ODx.010"ID 316 SS- 6.00"     | 700007403 |
| Tubing, 1/16"ODx.010"ID 316 SS- 60.00"    | 700007413 |
| Tubing, 1/16x0.005"x30cm 10/PK            | 700008430 |
| Tubing, 1/16x0.010"IDx30c 10PK            | 700008432 |
| Tubing, 1/16x0.040"IDx 40cm, 10/pk        | 700008431 |
| Tubing, 1/32"ODx25µmID PEEK- 12.00" Lg    | 700008127 |
| Tubing, 1/8" ODX .020"W X 30"lg 316 coil  | 700008317 |
| Tubing, 1/8" ODX .020"W X 8"lg 316 Bent   | 700008318 |
| Tubing, 1/8"OD X.085"ID. 120" Length      | 700008816 |
| Tubing, 1/8"OD X.085"ID. 24 Length        | 700008812 |
| Tubing, 1/8"OD X.085"ID. 36" Length       | 700008813 |
| Tubing, 1/8"OD X.085"ID. 48" Length       | 700008814 |
| Tubing, 1/8"OD X.085"ID. 60" Length       | 700008815 |
| Tubing, Co-solvent pump inlet Y assembly  | 700008231 |
| Tubing, 1/16"OD X 50µm IDx 100cm PEEKsil™ | 700007607 |

### Valves

|                                          |           |
|------------------------------------------|-----------|
| Solenoid Valve Assy, 24 VDC 100PSI 3-Way | 700007439 |
| Solenoid Valve Assy, 3 Way-OPN-200PSI    | 700006890 |
| Solenoid Valve, 2 Way NC 24 VDC 1KPSI    | 700008038 |
| SOLENOID VALVE, 24VDC, 100 PSI, 3-WAY    | 700007438 |
| Solenoid Valve, 3 Way 2 Pos. 3000PSI     | 700007269 |
| Solenoid, 2 Way Guide Assy               | 700007208 |
| Solenoid, 3 Way Guide Assy               | 700007207 |
| Solenoid, 3 Way Valve Kit                | 700006891 |
| Valve, 1/16" Dual Input Prime/Purge      | 700007361 |
| Valve, 1/16" Three Way 2 Stem            | 700007596 |
| Valve, 1/16" V .75mm Bore Prime/Purge    | 700008016 |

## COMMON ITEMS SPREAD ACROSS MULTIPLE SFC/SFE SYSTEMS

### Valves - continued

|                                          |           |
|------------------------------------------|-----------|
| Valve, 1/16" V .75mm Bore Prime/Purge    | 700008016 |
| Valve, 1/2"Comp 1500PSI Ball- 1/4" ID    | 700007518 |
| Valve, 1150PSI 1/2"MNPTx1/2"FNPT Relief  | 700007565 |
| Vlv, 1500PSI 7/16"ID Air Act Ball NC     | 700007520 |
| Valve, 1800PSI 1/2"MNPTx1/2"FNPT Relief  | 700007564 |
| Vlv, 2 Pos Internal Loop 1/16" R Inj     | 700007887 |
| Valve, 6-Pos. 7-Port R 1/8" Selection    | 700007829 |
| Valve, 750-1500PSI 1/2"NPT Adj Relief    | 700007521 |
| Valve, P.R. 1150PSI 1/2" x 3/4"FNPT -CRN | 700006928 |
| Valve, R 6-Port 2-Pos 1/16" 110-240VAC   | 700008005 |
| Vlv, SVF 1/2" Ball w/Act. Mtg Bkt        | 700007827 |
| Valve, U Shut-off 1/8" Tefzel            | 700008154 |

### Vials

|                                             |           |
|---------------------------------------------|-----------|
| CAP, 16ML POLYPROPYLENE OPEN SAMPLE<br>VIAL | 700007508 |
| Cap, 18mm Mag. w/ PTFE/Silicone Septa       | 700008122 |
| SEPTA, 16ML SILICONE                        | 700007509 |
| SEPTA, 40ML SILICONE                        | 700007510 |
| Vial, 10mL 22mm X 45mm Clear Glass          | 700008121 |
| Vial, 16 ml Sample w/Cap & Septa            | 700007619 |
| Vial, 16mL 21 X 70mm Glass Amber Sample     | 700007506 |
| Vial, 2ML Amber CAP PTFE/Silicone           | 700007435 |
| Vial, 40 ml Sample w/Cap & Septa            | 700007620 |
| Vial, 40ML 28mmX95mm Glass Amber Sample     | 700007507 |

## BERGER ANALYTICAL

### Components

|                                          |           |
|------------------------------------------|-----------|
| 4.0mm Hex L-Key, Black                   | 700008385 |
| Agilent 1100 Pump Drive                  | 700008720 |
| Analytical Modifier Pump Assy 1100       | 700008763 |
| Analytical Spares Kit                    | 700008655 |
| Analytical-Minigram CO2 Pump Assy 1100   | 700008762 |
| Board, Pump Connector                    | 700008490 |
| Cartridge for Inlet Valve                | 700008765 |
| Check Valve 5.5mm ODx 15.8mm             | 700008374 |
| Check Valves/Holders Assembly Analytical | 700008665 |
| Column Valve Outlet Tube Assy            | 700008776 |
| Ferrule 1/16" SS SSI                     | 700008366 |
| Filter Frit, Replacement, 1/8"x 2M       | 700008369 |
| Inlet Valve w/o Cartridge                | 700008764 |
| Loop, sample, 10 ul, 1/16SS              | 700008478 |
| Loop, sample, 5 ul, 1/16 SS              | 700008481 |
| Motor Encoder Interface Board            | 700008719 |
| Nut 1/16" SS SSI                         | 700008365 |
| O-Ring, #023 Buna-N                      | 700008595 |
| PLUG, 1/16" HOLE                         | 700008666 |
| Ring Frit Assy                           | 700008354 |
| Rotor, Valcon E Matl Ext. Loop analyt    | 700008472 |
| Seal, Moly-disulfide-lubed               | 700008522 |
| SST Adapter & Piston Assy                | 700008621 |
| Tube Harness, Analytical                 | 700008619 |

## BERGER MG

### Assemblies

|                         |           |
|-------------------------|-----------|
| Cable Assembly (G4966A) | 700008470 |
| Cable Assy, PRT Cable   | 700008652 |

## BERGER MG

### Assemblies - continued

|                                  |           |
|----------------------------------|-----------|
| MiniGram Evaporator/Trimmer Assy | 700008617 |
| Ring Frit Assy                   | 700008354 |
| SST Adapter & Piston Assy        | 700008621 |

### Fittings & Tubing

|                                          |           |
|------------------------------------------|-----------|
| Check Valve, 3psi                        | 700008609 |
| Connector 1/4" tube x barb               | 700008610 |
| Ferrule 1/16" SS SSI                     | 700008366 |
| Ferrule, 1/16, Tefzel w/ SS ring         | 700008592 |
| Ferrule, 1/8" TUBE, ETFE w/ SS lock ring | 700008600 |
| Fitting, CPI, Union, Bulkhead, 1/4" Tube | 700008579 |
| Nut Superflangeless 1/16" 1/4-28 short   | 700008563 |
| O-Ring, #023 Buna-N                      | 700008595 |
| O-Ring, Silicone, 221 S70                | 700008624 |
| Rotor, Valcon E Matl Ext. Loop analyt    | 700008472 |
| Seal, Moly-disulfide-lubed               | 700008522 |
| SS Tube, 1/16"x.010"IDx6"lg              | 700008616 |
| Tube Harness, Analytical                 | 700008619 |
| Tube Harness, Prep                       | 700008620 |
| Tube SS 1/16" .010"ID 5cm                | 700008584 |
| Tubing, SS, 1/16" 0.040" 10cm            | 700008504 |
| Tubing, SS, 1/16x.030"x100cm             | 700008501 |
| Tubing, SS 1/16"x0.020"IDx10cm           | 700008503 |
| Union, 1/16" Int B/H .030ID              | 700008523 |
| Union, 1/16, .040" bore                  | 700008569 |

### Miscellaneous

|                                        |           |
|----------------------------------------|-----------|
| Analytical Spares Kit                  | 700008655 |
| Analytical-Minigram CO2 Pump Assy 1100 | 700008762 |
| Bottle, 1L, Plastic Coated             | 700008716 |

## BERGER MG

### Miscellaneous - continued

|                                          |           |
|------------------------------------------|-----------|
| Bottle, 250mL Wide Mouth                 | 700008355 |
| Cap w/ 34mm hole PBT, GL45               | 700008601 |
| Controller, GPIB/USB                     | 700008699 |
| Converter, logear USB-DB9 Ser            | 700008633 |
| Cover, Front Top, Column Switching Valve | 700008694 |
| MiniGram ALS Waste Line                  | 700008657 |
| Panel, Valve                             | 700008395 |
| Plate, Column Switching Mount            | 700008554 |
| Plate, valve connector                   | 700008465 |
| PLUG, 1/16" HOLE                         | 700008666 |
| Plug, Delrin, Red                        | 700008547 |
| PRT Sensor Assy, 380mm Length w/Pins     | 700008358 |
| Serial Port Cable                        | 700008496 |
| Valve, 6pos switching (JGL)              | 700008483 |

## BERGER MGII / MGIII

### Assemblies

|                                         |           |
|-----------------------------------------|-----------|
| Analytical-Minigram CO2 Pump Assy 1100  | 700008762 |
| Board, Pump - CPU                       | 700008491 |
| Check Valve Assy, Used SD-1 Mod In/Out  | 700008440 |
| Collection Cap Assembly Multigram III   | 700008695 |
| Insulation, Thermal Break               | 700008400 |
| Manifold, Coll Cover Plt, Multigram III | 700008682 |
| Modifier purge valve assembly           | 700008411 |
| Needle assembly 2.3 A/S 719             | 700008417 |
| PRT Sensor Assy                         | 700008424 |
| SFC Solenoid Valve Assy Fluid Ctrl Mod  | 700008426 |
| Support Seal Assembly                   | 700008378 |



## BERGER MGII / MGIII

### Boards

|                        |           |
|------------------------|-----------|
| Board, DC power supply | 700008492 |
| Board, SFC             | 700008489 |
| PCB, Pump AC Board     | 700008493 |

### Fittings & Tubing

|                                         |           |
|-----------------------------------------|-----------|
| Adaptor, 1/4-28xMale Luer PEEK          | 700008593 |
| ALS SYRINGE TUBING & FLITER             | 700008433 |
| Fastener, Huber M16 x 1 Nut             | 700008012 |
| Ferrule 1/16" SS V                      | 700008407 |
| Filter, 1/4" CPI SS, 1 micron           | 700008707 |
| Filter, frit, 4/pack, ASFC              | 700008404 |
| Filter, Poly 150                        | 700008749 |
| FITTING,HEX HD,1/4-28M x 1/8TU          | 700008368 |
| FRIT 2um 10mm ID                        | 700008453 |
| Frit, 21.2mm x 2um, Iso-Prep            | 700008737 |
| GRIPPER, 1/8 TUBE                       | 700008338 |
| Nut 1/16 SS Valco 10-Pack 10 x 16001162 | 700008406 |
| O-Ring silicone 1/4 ID 3/8 OD           | 700008671 |
| O-Ring, FEP #221, Silicone encapsulated | 700008725 |
| O-Ring, FEP Enc. Silicone Dash 217      | 700008687 |
| O-ring, Sil, A568A-013                  | 700008684 |
| O-Ring, Silicone, dash # 268            | 700008683 |
| SHCS M5x55 SS 18-8                      | 700008766 |
| Spacer, Thermal                         | 700008467 |
| Tee Filter Replacement Frits            | 700008455 |
| Tee, 1/4" Street                        | 700008375 |
| Tube, SS, 1/16"x0.010"IDx30cm           | 700008508 |
| Tube, SS, 1/4" ODx4" lg                 | 700008641 |
| Tube,SS, 1/16"x0.030"IDx20cm            | 700008506 |

## BERGER MGII / MGIII

### Kits

|                                 |           |
|---------------------------------|-----------|
| Check Valve Cartridge, 2/pk     | 700008402 |
| CO2 Supply Line Kit             | 700008421 |
| Kit, Mod Pump seals, pack of 4  | 700008405 |
| IEEE-488 Cable, 1 meter         | 700008386 |
| Modifier Reservoir Tubing Kit   | 700008422 |
| PTFE Filter Frit, 5/pk          | 700008408 |
| Pump Head Kit, Ti, 200ml/min    | 700008499 |
| Replacement Filter Element, 4pk | 700008428 |
| Restrictor ferrule (qty=10)     | 700008414 |
| Restrictor nut (qty=10)         | 700008412 |
| Restrictor sleeve (qty=10)      | 700008413 |
| Seal, Needle 22G for Leap Smplr | 700008247 |
| SFC pump seal kit, pack of 4    | 700008410 |

### Pump Components

|                                          |           |
|------------------------------------------|-----------|
| Encoder Reader, Analyt and Minigram pump | 700008198 |
| Encoder wheel, Analyt. and Minigram pump | 700008197 |
| Prep CO2 Pump Seals, pack of 2           | 700008459 |
| Prep Mod Pump Seals, pack of 2           | 700008460 |
| Sapphire plunger (qty=2)                 | 700008409 |
| Seal Piston 200ml/mn 2pack               | 700008551 |
| Seal, Pump                               | 700008556 |

### Miscellaneous

|                                         |           |
|-----------------------------------------|-----------|
| Black keyed coupling, 1/4MNPT SS, BUNA  | 700008538 |
| Bottle 2L Safety Ctd, 11.6 PSI          | 700008756 |
| Bottle Cap w/barbed fitting GL38 Thread | 700008718 |
| Bulkhead Filter                         | 700008427 |
| Conn 1/8NPTx1/8TU COMP                  | 700008367 |
| Fill Port, autosampler                  | 700008425 |
| Flask, short neck, GL-45 PVC Coated     | 700008714 |

## BERGER MGII / MGIII

### Miscellaneous - continued

|                                         |           |
|-----------------------------------------|-----------|
| Green keyed coupling, 3/8"CPI, SS, BUNA | 700008380 |
| Green keyed plug, 3/8" CPI, SS          | 700008381 |
| grommet, rubber                         | 700008715 |
| Holder, Dual Inlet CV                   | 700008705 |
| IEEE-488 Cable, 2 meter                 | 700008356 |
| Manifold MGII 8 Bottle                  | 700008767 |
| Motor, 115v/60Hz                        | 700008371 |
| Nozzle heater Analytical SFC            | 700008423 |
| Peek Screen Seal                        | 700008469 |
| Restrictor, High Flow - Type 1          | 700008420 |
| Switch, Pressure, Gems 2-10 Psig        | 700008697 |
| Syringe - 250 ul                        | 700008419 |
| Tape, teflon, FEP 1" width              | 700008706 |
| Transfer - syringe to needle            | 700008418 |
| Yellow Keyed Vlv Plug, 1/4"MNPT SS BUNA | 700008376 |

### Valves & Check Valves

|                                          |           |
|------------------------------------------|-----------|
| Check Valve 5.5mm ODx 15.8mm             | 700008374 |
| Check Valve Holder with screen           | 700008468 |
| Housing, Check Valve 1/16 Fitting        | 700008587 |
| Rotor, AG 1-Groove for G1156A Valve      | 700008226 |
| Rotor, Inj Vlv large slots Prep Inj Vlv  | 700008449 |
| Rotor, ValconP for C-25 Valve 1.5mm bore | 700008722 |
| Valve rotor 0.5 ul                       | 700008416 |
| Valve, 6 port, Ext. Loop VALCO           | 700008415 |
| Valve, Prime / Purge                     | 700008545 |

## **BERGER PREP SFC**

### **Components**

|                                         |           |
|-----------------------------------------|-----------|
| Green keyed coupling, 3/8"CPI, SS, BUNA | 700008380 |
| Green keyed plug, 3/8" CPI, SS          | 700008381 |
| Nozzle Heater/Sensor Assy               | 700008456 |
| O-Rings, Injection Port (12)            | 700008444 |
| Prep SFC Solenoid Valve Ass'y           | 700008643 |
| Seal, PTFE Spring Energized             | 700008520 |
| Shim, SD-1                              | 700008611 |
| Valve, 2P, 6PT, 5Kpsi (Prep Inj Valve)  | 700008542 |

## **BERGER BPR CABLES**

### **Cables**

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, Heat ControlL BPR-C         | 700007109 |
| Cable Assy, Heaters BPR-C               | 700007106 |
| Cable Assy, Pres. Transducer Int. BPR-C | 700007110 |

## **PM Kits - Berger**

### **Kits**

|                          |           |
|--------------------------|-----------|
| Analytical with no Det   | 700008097 |
| Berger Analytical        | 700008094 |
| Berger Analytical SFC-MS | 700008101 |
| Berger AutoPrep          | 700008098 |
| Berger G700              | 700008099 |
| Berger MG III            | 700008100 |
| Berger Minigram          | 700008095 |
| MG II                    | 700008096 |

## BERGER UPGRADE AND SPARES KITS

### Kits

|                                          |           |
|------------------------------------------|-----------|
| Kit, MG II to Liquid Chill Upgrade       | 700008010 |
| Kit, MG III Liquid Chill Upgrade         | 700008011 |
| Kit, MGII Chiller Upgrd w/Pump Head HE   | 700008013 |
| Kit, MGIII Chiller Upgrd w/Pump Head HE  | 700008014 |
| Kit, MGII Upgrade Conductive PTFE Tubing | 700008008 |
| Kit, MGIII Upgrd Conductive PTFE Tubing  | 700008009 |
| PM - MG II                               | 700008096 |
| Tube, SS, 1/16"ODx0.020"IDx50cm          | 700008512 |
| Minigram Vent Upgrade Field Kit          | 700008757 |

## CARVO INJECTOR

### Components

|                                          |           |
|------------------------------------------|-----------|
| 18-8 SS PHP, MS, 6-32 x 5/16             | 700008640 |
| Cable Assy Cavo Pump Internal Wiring     | 700008471 |
| Cable, DB9-M to DB9-F, 6' lg             | 700008339 |
| Cavro 5mL XLP Syringe                    | 700008755 |
| Pump Assy, Syringe Cavro                 | 700008532 |
| Cavro Syringe, 5 ml                      | 700008445 |
| Cavro Waste Flow Line Assm               | 700008670 |
| Cover Bracket Syringe Drive              | 700008564 |
| FEP Tubing, 1/16" OD, .030ID, 20ft       | 700008357 |
| Ferrule, 1/8" TUBE, ETFE w/ SS lock ring | 700008600 |
| Nut, PEEK, 1/4-28x1/8                    | 700008599 |
| Power Supply                             | 700008498 |
| Syringe Drive Base Plate                 | 700008364 |
| Syringe Pump Cover                       | 700008642 |
| Tube, SS, 1/16"ODx0.040"IDx30cm          | 700008509 |

## BERGER HEATER

### Components

|                                          |           |
|------------------------------------------|-----------|
| Collection Tip, 16mm                     | 700008540 |
| Evaporator Heater Ass'y (Prep)           | 700008638 |
| Fan Radial Blade                         | 700008750 |
| Fitting, Barbed W/Integral Dip Tube      | 700008686 |
| Heate, Trim, 500w                        | 700008676 |
| Nozzle Heater, 2 -25W moisture seal, CSA | 700008650 |
| Peek Tube .080 x 1/8" x 5ft              | 700008760 |
| PRT Sensor Assy, 980mm Length w/Pins     | 700008552 |
| Tubing, 1/2"x7" spiral Teflon            | 700008742 |
| Tubing, Teflon, 1/2" x 12" spiral        | 700008740 |
| Tubing, Teflon, 1/2" x 36" spiral        | 700008741 |

## BERGER MISCELLANEOUS

### Assemblies

|                                       |           |
|---------------------------------------|-----------|
| Assy PCB SD-1 CPU Bd                  | 700008634 |
| Board Assy, Motor Drive for SD-1 Pump | 700008733 |
| Collection Tip Ass'y                  | 700008644 |
| Connector PCB Assy                    | 700008360 |
| CPU Assembly-719 Single Plate V4.0    | 700008735 |
| CPU Assy - Alcott ALS                 | 700008630 |
| FID Detector Base Assy                | 700008441 |
| Hepa Filter Assembly                  | 700008726 |
| Modifier pump, head assy              | 700008342 |

### Cables

|                                         |           |
|-----------------------------------------|-----------|
| Cable Assy, Male to Male DB9 Adapter    | 700008314 |
| Cable Assy, RJ11 to DB9F External - 10" | 700008819 |
| Cable Assy, X5 Analog Input             | 700008817 |
| Cable, Analog Input PCB                 | 700008362 |
| Cable, CTC, FCM Start/Stop              | 700008664 |
| Cable, Interface Module DSUB 15 M to F  | 700008818 |

## BERGER MISCELLANEOUS

### Fittings & Tubing

|                                                  |           |
|--------------------------------------------------|-----------|
| Ferrule 1/16" SS SSI 5-Pack                      | 700008636 |
| Ferrule 1/16" SS Valco                           | 700008525 |
| Ferrule 1/8" SS SSI BULKHEAD                     | 700008344 |
| Ferrule, 1/16 CPI                                | 700008662 |
| Ferrule, 1/8                                     | 700008526 |
| Ferrule, Litetouch, PEEK w/SS lock ring          | 700008627 |
| Ferrule, PEEK Restrictor                         | 700008487 |
| Ferrule, Sure-fit                                | 700008739 |
| Filter Frit, PTFE                                | 700008341 |
| Filter, Arrow Pneumatics F354F                   | 700008582 |
| Fitting, 1/2" JIC F x 1/4" JIC M (brass) - DEWAR | 700008573 |
| Fitting, 1/4 x 1/8 Reduce Street Elb SS          | 700008333 |
| Fitting, CPI Port Rdcr SS 3/8" Stub x 1/4"       | 700008594 |
| Fitting, CPI, Port Connector, SS, 1/4            | 700008570 |
| Fitting, CPI, Union 1/4                          | 700008631 |
| Fitting, HP Outlet Filter 0.5 Micron             | 700008291 |
| Fitting, Reducer, 1/8" Port x 1/16" tube         | 700008708 |
| Fitting, Tee, CPI x CPI x Male NPT, 1/4          | 700008557 |
| Fitting, Comp CPI Port 1/4" -3/8" SS             | 700008661 |
| Fitting, Comp, CPI to JIC 1/4" to 1/4", SS       | 700008660 |
| Fitting, Comp, CPI to JIC 1/8" to 1/4", SS       | 700008659 |
| Fitting, Compression, TEE, 3/8", CPI, SS         | 700008658 |
| Fittings, Comp 1/8" 10 pack                      | 700008450 |
| Fittings, Comp 1/8" 10 pack                      | 700008451 |
| Fliter, Cheminert                                | 700008475 |
| Frit Holder, Pump Check Valve                    | 700008352 |
| Frit, Filter Element 2m                          | 700008347 |
| Hose Assy 1/4 Fem JIC x Fem JIC 48" long - DEWAR | 700008565 |

## BERGER MISCELLANEOUS

### Fittings & Tubing - continued

|                                               |           |
|-----------------------------------------------|-----------|
| Hose Assy 1/4"Fem JIC Fem JIC 60" long -DEWAR | 700008566 |
| Hose SS 1/4" Stub 24"lg Flex                  | 700008632 |
| Nut 1/16" SS .75" long                        | 700008574 |
| Nut 1/16" SS .43" long                        | 700008527 |
| Nut 1/16" SS SSI 5-Pack                       | 700008635 |
| Nut 1/8" SS SSI BULKHEAD                      | 700008345 |
| Nut Brass - CO2 Supply                        | 700008476 |
| Nut, Extra Long 1/16"x6x1.00"                 | 700008654 |
| Nut, Restrictor                               | 700008486 |
| O-RING 1 1/8" DIA X 1/8                       | 700008589 |
| O-Ring SD-1 PK=2 Pack                         | 700008736 |
| O-ring, 3.475 x 3.895                         | 700008678 |
| O-Ring, Silicone, 110                         | 700008625 |
| O-Rings Coll Cassette 12PK                    | 700008442 |
| SS Flex, 1/4" SS Tube Stub ends 24" Long      | 700008567 |
| SS Tube, 1/16"x.010IDx16" lg                  | 700008615 |
| Tee 1/16" SS 0.010"ID mtg                     | 700008464 |
| Tee Filter Cartridge                          | 700008454 |
| Tee, 1/16" SS, 0.010"ID                       | 700008586 |
| Tee, 1/16" SS, 0.020"ID                       | 700008529 |
| Tube 1/16" SS 0.010" 10cm                     | 700008502 |
| Tube Assy, Inlet 200mL, 2 pack                | 700008703 |
| Tube, SS, 1/16"x0.005"IDx20cm                 | 700008507 |
| Tube, SS, 1/16"x0.005"IDx40cm                 | 700008511 |
| Tube, SS, 1/8"ODx 0.070"x 25'                 | 700008517 |
| Tube, SS, 1/16"ODx0.005"IDx30cm               | 700008510 |
| Tube, SS, 1/16"ODx0.040"IDx50cm               | 700008513 |
| Tube, 1/16"ODx0.005"IDx35CM                   | 700008515 |
| Tube, 1/16"ODx0.005"IDx55cm                   | 700008516 |



## BERGER MISCELLANEOUS

### Fittings & Tubing - continued

|                                        |           |
|----------------------------------------|-----------|
| Tube, SS, 1/16x.040"IDx73cm lg         | 700008648 |
| Tubing Straightener                    | 700008702 |
| Tubing, SS, 0.005"ID x 100cm           | 700008553 |
| Tubing, SS, 1/16 .007IDx 3.17          | 700008607 |
| Tubing, SS, 1/16"OD x 0.020"ID c 30cm  | 700008605 |
| Tubing, SS, 1/16"OD x 0.040"ID x 5cm   | 700008606 |
| Tubing, SS, 1/16"x0.020"x55cm          | 700008546 |
| Tubing, SS, 1/8"x.070"x 72"lg, "coiled | 700008518 |
| TUBING, SS 1/16"x.010"x20cm lg         | 700008585 |
| Tubing, SS 1/16"x0.010"IDx50cm         | 700008614 |
| Tubing, SS, 1/16"ODx.020"IDx60cm       | 700008602 |
| Union B/H SS 1/8-1/16 .040ID           | 700008622 |
| Union, 1/16" Int B/H .040ID            | 700008524 |
| Union, 1/8" Bulkhead                   | 700008555 |
| Union, PEEK, 1/4                       | 700008519 |
| Union, Reducing, 1/8"- 1/16            | 700008485 |

### Components

|                                         |           |
|-----------------------------------------|-----------|
| 100uL Sample Loop                       | 700008479 |
| 2 ml sample loop stainless steel        | 700008480 |
| 200uL Sample Loop 0.020"ID x 1/16"      | 700008598 |
| 3/8 Port Connector                      | 700008571 |
| 5mL SYRINGE, XLP                        | 700003437 |
| 6-Port, 2 Position Valve,               | 700008728 |
| Actuator Ctrl 2 Pos Module Prep Inj Vlv | 700008550 |
| Actuator Multi position CONTROL MOD     | 700008544 |
| Actuator, Replacement, Solvent          | 700008727 |
| Adapter, Hose Barb, GL-45               | 700008675 |
| Adhesive Cord Clip, .38                 | 700008639 |
| Allen Wrench Set                        | 700008677 |
| Analog Input Board                      | 700008361 |

## BERGER MISCELLANEOUS

### Components - continued

|                                         |           |
|-----------------------------------------|-----------|
| Analog Input Board w/ Cable             | 700008398 |
| Ball Valve, 3/8                         | 700008576 |
| B-Check Valve 1/3 PSI 1/4 CPI           | 700008753 |
| Berger SFC_Optimized Flow Cell DAD 10mm | 700008752 |
| Board, AC 200/240V                      | 700008351 |
| Board, IEEE488, PCI interface           | 700008387 |
| Board, Intf w/ Keypad/Dsply Ceres 800   | 700008315 |
| Board, Single 120V                      | 700008350 |
| Bottle Cap, w/hole GL38 Thread          | 700008717 |
| Bottle, 1000ml, Safety Coated           | 700008537 |
| Brass Nipple & Seal Disc                | 700008477 |
| Bulkhead Fittings for ALS 719           | 700008575 |
| Buna-N O-Ring As568A Dash #13           | 700008646 |
| Buna-N O-Ring As568A Dash #15           | 700008647 |
| Cap Assy, Analytical Vent GL-45         | 700008274 |
| Cassette Head Pressure Gauge            | 700008447 |
| Check Valve Holder Inlet                | 700008608 |
| Check Valve, 10 psi                     | 700008370 |
| Check Valve, 5psi                       | 700008377 |
| Check Valve, K-1900 pump                | 700008549 |
| Clear Vial, 12x32mm Screw Cap w/ Septum | 700008572 |
| Coil, Ignition for FID                  | 700008321 |
| Collection Rack, 13x13 16mmx125mm tubes | 700008778 |
| Collection Tip O-Rings, 10/pk           | 700008645 |
| Collection Valve Controller, *OBS*      | 700008448 |
| Column Switching Valve,TCM2000          | 700008514 |
| Connector, IDC D-sub,9P Socket          | 700008724 |
| Cord AC power US/North America          | 700008346 |
| Deuterium Lamp, 35w, A4071              | 700008463 |
| EC92 5890 Mainboard                     | 700008349 |

## BERGER MISCELLANEOUS

### Components - continued

|                                          |           |
|------------------------------------------|-----------|
| External Nut 1/8                         | 700008484 |
| Flowcell, SWD Analytical                 | 700008628 |
| Fuse, 4A, Fast, 5x20mm                   | 700008746 |
| Gas/Liquid Splitter, Glass               | 700008698 |
| Gauge, Pressure, 0-15 PSI, 2-1/2         | 700008744 |
| Housing Check Valve, 1/16x1x0.17"        | 700008466 |
| HPIB Interface RFI                       | 700008359 |
| Injection Cannula                        | 700008446 |
| Inlet Filter Tube, 200ml, 6 ft           | 700008577 |
| Inline Sample Filter Cartridge (JGL)     | 700008452 |
| Internal Float Drain Kit- F354F filter   | 700008583 |
| Jumper                                   | 700008692 |
| Keeper, Piston                           | 700008539 |
| Kit, Dewar Connecting                    | 700008591 |
| Kit, Field Retrofit Column Switching     | 700008667 |
| LAN Comm Interface card                  | 700008751 |
| Line, MS Transfer, Long                  | 700008723 |
| Locating Pin, 1/4"x 3/4" lg              | 700008596 |
| Locating Pin, Dia., 1/4 x 3/4lg          | 700008597 |
| Low Volume Mixer                         | 700008461 |
| Manual Injection Valve Kit               | 700008474 |
| Miniature Bulb #757 - 28V 0.08A- 10 Pack | 700008663 |
| MOD CTRL actuator EMTCA-CE               | 700008604 |
| Modified PRT Sensor Assy                 | 700008775 |
| Modifier Check Valve                     | 700008438 |
| Modifier Switching Valve, TCM            | 700008535 |
| Motor SD-1 Replacement Kit               | 700008777 |
| Motor, 230v/50Hz Shaft cut to 1.92       | 700008373 |
| Nozzle, PEEK, 10X SOC-TRN-2-A004         | 700008673 |
| PC Board peak detector                   | 700008401 |
| PCI-232/8, 8-port RS-232 interface board | 700008388 |

## BERGER MISCELLANEOUS

### Components - continued

|                                          |           |
|------------------------------------------|-----------|
| PCI-6503 Digital I/O Board               | 700008389 |
| Peak Detector PCBD Assembly              | 700008618 |
| Peek Nut, Litetouch                      | 700008626 |
| Pin Pack Assy, 3 Round/Diamond Shapes    | 700008721 |
| Piston Cup Assm                          | 700008500 |
| Piston, Sapphire                         | 700008372 |
| Plug, 1/16" restrictor tee               | 700008528 |
| Power Cord, AC, UK/Ireland               | 700008668 |
| Pre-Column Heater Assembly 100 watt      | 700008457 |
| Pressure Switch, SS, 0-20 psi            | 700008397 |
| Pt100 Sensor                             | 700008548 |
| PTFE O-ring 1/16"ID x 3/16" OD           | 700008672 |
| PTFE-Thickened Krytox Synthetic Grease   | 700008653 |
| Regulator Module, CO2 High Performance   | 700008536 |
| Regulator, 10-1500psi, no lube (JGL)     | 700008656 |
| Regulator, Air - 1/2 NPT                 | 700008328 |
| Regulator, MGIII, CO2 Supply Module      | 700008711 |
| Regulator, Pressure, 0-15psi, 1/8" V     | 700008709 |
| Rep. Element Kit F354F Arrow PneumaticS  | 700008580 |
| Repair Kit, Arrow Pneumatic F354F filter | 700008581 |
| Restrictor, Custom Flow - Type A         | 700008797 |
| Restrictor, High Flow - Type 2           | 700008171 |
| Sample INlet Assembly                    | 700008712 |
| SCM Oven Door Assembly                   | 700008681 |
| Screw, Panel Mount, DB (2/pkg)           | 700008637 |
| Screw, SHCS, 1/4-20 x 1 15/16            | 700008734 |
| Seal, Piston                             | 700008521 |
| Seal, PTFE 1 mic.TEE filter renewal kit  | 700008745 |
| Sensor, CO2, Wall Mount, 10K PPM Cal     | 700008590 |
| Sensor, Cylinder, AutoPrep               | 700008651 |
| Sensor, RTD with ext wire for Inj/det    | 700008322 |

## BERGER MISCELLANEOUS

### Components - continued

|                                         |           |
|-----------------------------------------|-----------|
| Sensor, Turck BC5-QF5,5-RP6x2.          | 700008696 |
| Separator Fuse Kit                      | 700008458 |
| Skinner Valve 24VAC 50/60 Coil          | 700008559 |
| Sleeve, restrictor                      | 700008488 |
| Solenoid, 8SF Low Profile               | 700008363 |
| Super Spare Parts Kit, PrepSFC          | 700008679 |
| Sure-fit 0.040"x20cm sngl end           | 700008738 |
| Switch, Pressure, 1/4" 1700psi - GDS    | 700008560 |
| SYRINGE L-MARK 100ul PTFE               | 700008731 |
| Syringe Pump, 250 micro-liter           | 700008396 |
| T Filter 1/8"CPI PTFE seal (JGL)        | 700008562 |
| TCM Oven Door Assembly                  | 700008680 |
| Tool Extraction, Pin Pushing Tool.      | 700008674 |
| Touch Scrn PLC w/output Board           | 700008754 |
| Transducer, Pressure                    | 700008497 |
| Tray, 72 x 12mm vials                   | 700008439 |
| Trim Heater Assm                        | 700008541 |
| Trim Heater to Collection Vlv Tube Assy | 700008743 |
| Works on a Heatsink, 10X, New           | 700008690 |
| Works on a Heatsink, High Flow New      | 700008710 |

### Valves

|                                  |           |
|----------------------------------|-----------|
| Rotor Column Switching Valve     | 700008534 |
| Rotor for LC-Valve 6 Port 2      | 700008729 |
| Rotor, Solvent Switching Valve   | 700008613 |
| Valve Assm, Prep Purge           | 700008623 |
| Valve Assy, C3                   | 700008383 |
| Valve Head w/Stator,Antistatic   | 700008700 |
| Valve head, 6 pos, col switching | 700008482 |
| Valve Inlet Sleeves 5/pk         | 700008730 |
| Vlv, 1800PSI Set Pressure Relief | 700008325 |

## BERGER MISCELLANEOUS

### Valves - continued

|                                          |           |
|------------------------------------------|-----------|
| Valve, 2P, 6 port (JGL)                  | 700008473 |
| Valve, 6000 psi, ball, 3/8" comp         | 700008806 |
| Valve, 8 port, Nitronic stator           | 700008578 |
| Valve, 850PSI Set Pressure Relief        | 700008326 |
| Valve, 8-port stream .75mm, ValconE      | 700008612 |
| Valve, Carro, 3-port                     | 700008685 |
| Valve, Lapped Cycling Spool              | 700008568 |
| Valve, MP stream selector w/cmp          | 700008543 |
| Valve, Solenoid, 3-Way (venting), Norgen | 700008588 |
| Valve, Solenoid, 3way, 24VDC             | 700008748 |
| Valve, w/ High Speed Drive               | 700008701 |
| Valve, Check 1/4"NPT M x 1/4"M (JGL)     | 700008558 |

## **RETURN INFORMATION & INSTRUCTIONS**

### **Used/Failed Parts Return**

Used/TI parts with no assigned RA/#. Label each part with the FSR# & last sample mobile phase. Contact a Service Support engineer to initiate the return process.

Ship to:

**Waters Corporation**  
**34 Maple Street**  
**Milford, MA 01757**  
**Attn: Returned Goods Dept.**

**NOTE: All boxes should be clearly marked with the letters RA.**

### **Instrument Repair Return**

Customer Instruments returned for WARRANTY/SERVICE CONTRACT AND BILLABLE REPAIRS, need an assigned RA# and should be shipped to:

**Waters Corporation**  
**34 Maple Street**  
**Milford, MA 01757**  
**Attn: Customer Repairs**

**NOTE: The RA# should be clearly marked on the shipping container.**

## **RETURN INFORMATION & INSTRUCTIONS**

### **Credit Returns**

Contact a Service Support engineer to initiate the return/credit process. Credit Returns need an assigned RA # and should be shipped to:

**Waters Corporation**  
**34 Maple Street**  
**Milford, MA 01757**  
**Attn: Returned Goods Dept.**

**NOTE: Customers do not receive credit for a return until it is received.** The RA# should be clearly marked on the shipping container. Please retain carrier receipts in case of proof of delivery is required.

### **Tools Ordering Information**

**US and Canada Only: Items can be ordered directly from**  
HMC Electronics, The ordering of large items, such as carts, meters, cases, etc., through your manager.

HMC Electronics Contact Information:  
Contact Name: Jonathan Ierardi  
Contact Information: [jierardi@HMCELECTRONICS.COM](mailto:jierardi@HMCELECTRONICS.COM)  
Phone: 781-746-1153

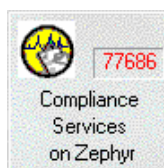
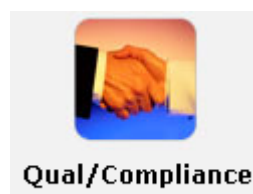
**International Ordering: Leo Ducharme**  
Contact Information: [leo\\_ducharme@waters.com](mailto:leo_ducharme@waters.com)  
Phone: 1-508-482-3385



## PORTAL INFORMATION

### Compliance Services

Service Assist Tab>Qual/Compliance Icon



(FIELD PERSONNEL USE ONLY)  
(Database Administrator: Steve  
Harmonx3096)

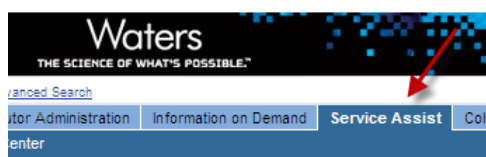
#### WHAT DOES THIS DATABASE DO?

This database provides kit  
information, descriptions and  
part numbers for compliance  
materials.

## PORTAL INFORMATION

### Service Assist

The **Service Assist Tab** is the location for Internal Service Support Information; you must have a Portal ID to access the Portal.

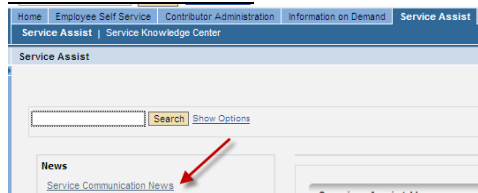


Customers must register at Waters.com to access Customer Support information.

## PORTAL INFORMATION

### Service Communications News

Subscribe to updates regarding new service information for the product lines you support. From the Service Assist Tab, select Service Communications News



Select Watch Forum.

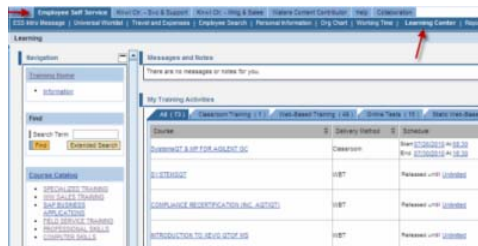


Using Watch Options, set your watch preferences.



## PORTAL INFORMATION

### Learning Center



#### Learning Center Administrators

Karen Stead ([karen\\_stead@waters.com](mailto:karen_stead@waters.com))

Denise Morin ([denise\\_morin@waters.com](mailto:denise_morin@waters.com))

#### What does the Learning Center do?

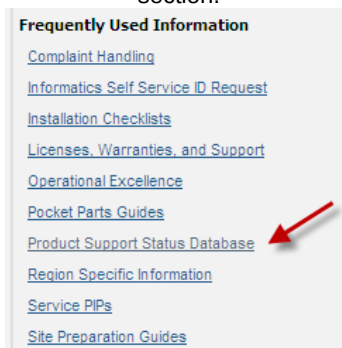
The Learning Center is the central location for all Service Training activities including Course Catalog, E-Learning and On-Line Exams.

Engineers have the ability to register, waitlist or prebook for courses offered in the Course Catalog. Please note that some courses are provided for specific regions in a local language; therefore, access may be limited.

## PORTAL INFORMATION

### Product Support Status

This database can be accessed by going to the Service Assist Tab in the Portal and selecting Product Support Status Database from the Frequently Used Information section.



(FIELD PERSONNEL USE ONLY)  
(DATABASE ADMINISTRATOR: DAVE PEGG)

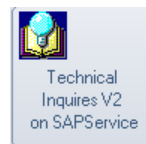
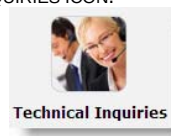
#### WHAT DOES THIS DATABASE DO?

This database provides information, on when products are discontinued, obsoleted and date of last service plan sold.

## PORTAL INFORMATION

### TECHNICAL INQUIRIES V2 ON SAP SERVICE

THIS INFORMATION IS AVAILABLE ON THE  
SERVICE ASSIST TAB USING THE TECHNICAL  
INQUIRIES ICON.



(FIELD PERSONNEL USE ONLY)  
(DATABASE ADMINISTRATOR: DENISE MORIN x8453)

#### WHAT DOES THIS DATABASE DO?

##### **SUPPORT**

The Technical Inquiries database allows the field to input support related questions or comments to the Global Service Support organization. These questions can be about product quality issues, operation, maintenance, application and/or potential defects. A support request reference number is automatically generated and the inquiry is assigned to an appropriate Service Support Engineer. It is the responsibility of the assigned engineer to respond to the question by entering a reply in the database. The inputs and responses are visible to all that have access to this database. Both the originator and the assignee have the ability to open and/or close an inquiry when the inquiry is satisfactorily resolved.

##### **ESCALATION**

Customer and product related issues can also be escalated through the TI database.

##### **CIT**

In addition, Technical inquiries can be created directly in CIT.

## PORTAL INFORMATION

### **Archived Technical Inquiries on Zephyr**

Archived Technical Inquiry databases can be accessed by going to the Service Assist Tab and selecting the Technical Inquiries icon.



(FIELD PERSONNEL USE ONLY)

(DATABASE ADMINISTRATOR: DENISE MORIN x8453)

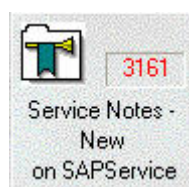
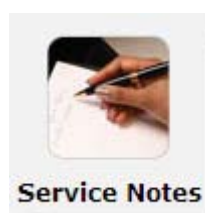
#### WHAT DOES THIS DATABASE DO?

The Archived Technical Inquiries database is the storage database for all closed Technical Inquiries that have a closed date greater than 90 days from the current date and is updated quarterly. The purpose is to continue to maintain product reference information for the field and to allow easier replication of the Technical Inquiries by reducing the number of inquiries in that location.

## PORTAL INFORMATION

### **SERVICE NOTES ON SAP SERVICE**

All Service Notes can be accessed by going to the Service Assist Tab on the Portal and selecting the Service Notes icon.



(FIELD PERSONNEL USE ONLY)  
(DATABASE ADMINISTRATOR: DENISE MORIN x8453)

### WHAT DOES THIS DATABASE DO?

The Service Notes database is available to all personnel requiring technical support information for Waters products. Service notes provide information regarding product changes, updates, corrections, and required improvements. Service notes are developed around two categories: problem related and information only. **Service Notes are intended only for Waters personnel and should not be distributed.**



## NOTES

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