

WATERS QUALITY PARTS AND SUPPLIES



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INTRODUCTION

Rely on Genuine Waters Quality Parts

Waters knows how to run chromatography and LC-MS laboratories at peak performance. Our instruments, software, chemistries, and services provide you with the tools you need to be successful.

Only Waters Quality Parts have been tested and certified for consistent optimal performance of your Waters systems.

By using Waters Quality Parts, you can be confident of consistent instrument operation, accurate and reproducible results, and continued system compliance.



Performance Maintenance Kits — All the Parts You Need, in One Box

Performance Maintenance Kits (PM Kits) are exclusively designed to meet the needs of Waters instruments. Our PM and Parts Kits offer you a cost-effective way to ensure that your Waters instrument is properly maintained.

Each Kit contains the Waters Quality Parts necessary to keep your instrument operating at peak performance. A detailed maintenance protocol, including calibration and diagnostic tests, is available for each instrument to ensure proper functionality of your Waters instrument. You'll also find an instrument sticker that you can use to document when maintenance was performed, and to help you remember when it will be required again.

To ensure the maximum performance and longevity of your instrument, schedule a Performance Maintenance visit every 12 months.

ACQUITY UPC² SYSTEM

ACQUITY UPC² BSM

Description	Part No.
UPC ² BSM Performance Maintenance Kit	201000270
PM Kit Consists of: Mixer, Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Assy, Seal Wash Housing, B-Pump	700008999
Assy Plunger, SFC, 0.125 Diameter, 2/pk	700009000
Head, SFC	700009001
Assy, Tube, Head to Transducer, no Loop	430003165
Transducer Assy, SFC A-Pump, 15 K psi, Parylene Coated	700009006
Assy, Seal Wash, Copper, SFC A-Pump	700009007
Support Plate, SFC Head, A-Pump	700009008
Insulating Sleeve, SFC Head, 2/pk	700009009
Assy, 250 µL Mixer	700008909
Kit, Cover, Head Insulator UPC ² BSM	700009012
Bulkhead Actuator Insulation, SFC-BSM	415001943
Insulator, Actuator, Pre-chiller, SFC-BSM	415001945
Assy, Tube, SSV to I2 V, SFC	430003096
Assy, Tube, Degasser to SSV, SFC-BSM	430003104
Assy, Tube, Transducer to C-Valve, SFC-BSM	430003105
Assy Tube, Vent Valve P2 to Tee/Filter, SFC	430003108
Assy, Tube, Vent Valve P5 to Tee/Filter, SFC	430003109
Assy, Tube, Accu, CO ₂ Transducer, V-Valve	430003161
Assy Tube, Solvent Inlet, SFC-BSM	430003274
Assy Tube, Vent Valve P4 to Waste	430003277
Assy Tube, Vent Valve P1 to Waste	430003278
Head Seal	700009136
Head Support Plate (Pump B)	700002601
Screw Metric Skt Cap M3 x 16, 4/pk	700004023
Screw M5 x 25, 2/pk	700002478
Screw, Metric, Skt Cap M5 x 40, 138 K, 4/pk	700006049
Transducer Assy, Head Mounted	700002594
Wash Seal, 2/pk	700009137
Solvent Select Valve Cartridge	700005408
Union, 0.020 in. I.D. V-Detail	700002636
Tube, Degasser 2 to SSV 2	700003387
Tube, Degasser 3 to SSV 3	700003388
Tube, Degasser 4 to SSV 4	700003389
Air Filter, Side Panel, Fan Intake	401000813
Air Filter, Vista Pump	700002632
Connector Plug, 12-pin	700001539
ACQUITY UPC ² CO ₂ Connections Kit	205001006

ACQUITY UPC² SM-FL

Description	Part No.
UPC ² SM-FL Performance Maintenance Kit	201000271
PM Kit Consists of: Syringes, Needle Assy, Injection Cartridge, 10 µL Loop, Tube Assys, and Filters	
Parts and Accessories	
Injection Valve Cartridge	700009057
In-line Waste Valve	410003180
PEEK Sample Needle Kit, 10 µL	700009095
Needle Assy, 250 µm, PEEKsil	700005179
Syringe, 100 µL	700002570
Volume Detection Device	700009094
Wash Port Fitting, 1/4–28 PEEK	700005297
Sample Loop, 2 µL	430002928
Sample Loop, 5 µL	430002936
Sample Loop, 10 µL	430002938



ACQUITY UPC² Convergence Manager

Description	Part No.
Convergence Manager Performance Maintenance Kit	201000272
PM Kit Consists of: Valve Cartridge, Pressure Regulator, and Filters	
Parts and Accessories	
Tee, V-Detail, SFC	405013607
Assy Tube, Tee to Vent Valve, SFC	430003194
Assy, Cartridge, Static Regulator	700009459
Assy Tube, Transducer to ABPR	430003200
Assy, Filter, 20 µm, 19 mm	700009059
Tube, Convolved, 3/8 in. I.D., Cuffed End	430003142
Tube, Convolved, 1/4 in. I.D., Cuffed End	430003191
Assy Tube, Vent Valve Tee to ABPR	430003201
Welded Tube, SM P6 to CMP1	430003351
Welded Tube, SS 0.007 in. I.D. x 14.5 in.	430003211
Welded Tube, SM P5 to CMP4	430003350
Welded Tube, SS 0.007 in. I.D. x 26.0 in.	430003339
Welded Tube, SS 0.007 in. I.D. x 20.5 in.	430003341
Injection Cartridge	700009052
Air Filter	401000813

ACQUITY CM-A

Description	Part No.
ACQUITY CM-A/CM-A Aux Performance Maintenance Kit	201000207
PM Kit Consists of: Filters	
Parts and Accessories	
Kit, ACQUITY UPC ² ; SST, .007 in. I.D. x 12.5 in.	205001002
Kit, ACQUITY UPC ² ; SST, .007 in. I.D. x 18.5 in.	205001003
Kit, ACQUITY UPC ² ; SST, .007 in. I.D. x 36.5 in.	205001004
Kit, ACQUITY UPC ² CM-A 6 Column Tubing	205001001
Kit, ACQUITY UPC ² CM-A 4 Column Tubing	205000999
Kit, ACQUITY UPC ² CM-A 2 Column Tubing	205000986
Valve Cartridge, Rotary Shear, SS	700005438

ACQUITY UPC² PDA Detector

Description	Part No.
PDA/TUV Performance Maintenance Kit	201000273
PM Kit Consists of: PerformancePLUS™ Lamp	
PerformancePlus HB Deuterium Lamp Assembly	700005269
I/O Connector 6-pin	700005237
Ethernet Cable, Shielded CAT 5 Cross-over, 3 ft	440000145
Ethernet Patch Cord, Shielded, 10 ft	441000372
Fuse Holder	WAT055426
Back Pressure Regulator, 250 psi	700002676
ACQUITY UPC ² Analytical Flow Cell	205015037
Leak Sensor Assy	205000505

NEW ACQUITY APC SYSTEM

ACQUITY APC CM-S

Description	Part No.
CM-S Performance Maintenance Kit	201000282
PM Kit Consists of: Filters	
Parts and Accessories	
Kit, Tubing Configuration, No Vlvs, CM-S	205001166
Kit, 2-column Bank Connection, CM-S	205001169
Kit, 3-column Bank Connection, CM-S	205001171
Kit, 4-column Bank Connection, CM-S	205001172
Tubing, SS Bypass, .004 in. I.D.	430002725
Welded Tube Assy, SST, 44.0 LG, LP	430002772
Welded Tube Assy, SS, 19.0 LG	700005478
Welded Tube Assy, SS, 22.5 LG, LP	700005480
Welded Tube Assy, MP35N, 14.5 LG, LP	700005482
Latch Set, CM-A/CM-Aux Trough Cover. L&R	700005980
Assy, Cartridge, 9-port CM-S	700008871
Tube, .005 I.D., Col Conn, In-line	700009524
Tube, .004 I.D., Col Conn, Offset "U"	700009534
Tube, .004 I.D., Col Conn, "U"	700009535
Cover, Column Manager	700009538
Gasket, Trough Cover	700009539
Retainer Clip, CM-S Trough, APH	700009540
Gasket, Thin, APH, CM-S	700009541
Tube, .004 I.D., Col Conn, Long	700009560

ACQUITY APC PDA TS

Description	Part No.
PDA/TUV Performance Maintenance Kit	201000273
PM Kit Consists of: PerformancePLUS Lamp	
Parts and Accessories	
ACQ PDA TS Analytical Flow Cell	205001162
Assy, Tube Inlet .004 I.D. LT Peek Nut	430001748
Assy, Tube Inlet .0025 I.D. LT Peek Nut	430001749
Assy, Tube Inlet .0025 I.D. Peek Nut PDA	430001783
Union, .020 I.D., V-detail	700002636
Performance Plus HB Deuterium Lamp Assy	700005269
Backpressure Restrictor	700009590



ACQUITY APC SM-FTN

Description	Part No.
ACQUITY APC SM-FTN Performance Maintenance Kit	201000285
PM Kit Consists of: Syringe, Std Needle, Injection Cartridge and Filters	
Parts and Accessories	
Assy, Extension Loop, 250 µL	430002007
Assy, Extension Loop, 100 µL	430002011
Assy, Extension Loop, 50 µL	430002012
Cup, Overflow	700009505
Support Sleeve, Fountain Wash PPS	700009506
Guide, Sample Needle, PPS	700009512
Syringe, 100 µL, HP PPS Tip	700009529
Set Screw, M3 x 5, T6, for Needle Guide	700009530
Syringe, 250 µL, HPLC PPS Tip	700009576
Needle, 30 µL, pFTN	700009580
Cartridge, Inject, FTN, 18 K psi, APC	700009919

ACQUITY APC p-ISM

Description	Part No.
p-ISM Performance Maintenance Kit	201000283
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
22 µL Filter Assy	205000731
Tube, Transducer to Check Valve, MP35N	430002475
Tubing Kit, SS, Standard Flow TUV/PDA, 6 and 10 in.	700003756
i2V Cartridge, Hexane/THF	700005272
Assy Check Valve, Dual Ball, and Seat	700005273
Transducer Pressure, Flex Cable	700006045
Assy, Cartridge Vent Valve	700006052
Pump Head, 316 SS, DLC, Face Seal	700009190
Tube, Degasser to I2 V	700009478
Tube Assy, Solvent Inlet, ISM	700009483
Tube, VV P4 to Waste, p-ISM	700009484
Tube, SW to Accum, EFTE	700009485
Tube, SW, Accum to Pri, EFTE	700009489
Tube, Seal to Waste, EFTE	700009490
Tube, Vent Valve P2 to Filter, ISM	700009491
Tube, VV to Waste	700009493
Tubing, GP Pump Outlet	700009911

ACQUITY UPLC I-CLASS SYSTEM

ACQUITY I-Class Sample Manager-FTN

Description	Part No.
ACQUITY I-Class Sample Manager-FTN Performance Maintenance Kit PM Kit Consists of: Syringe, Std Needle, Injection Cartridge, and Filters	201000259
Parts and Accessories	
Air Filter, Side Panel	401000694
Guide, Sample Needle	405008854
Seat, Vespel with Anti-rot	405011492
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., Injection Valve	430002360
Assy, Tube, Waste, Injection Valve	430002362
Tube Assy, Sample Manager Purge	430002462
Syringe, 100 µL, HP	700002570
Filter, Solvent Bottle, SS, 7/pk	700003616
Assy Needle 15 µL with Guide and Seat 18 K psi	700008977
Assy, Seat Port, .003 I.D.	700006056
Assy, Cart, Inject, STR, FTN, 18 K psi	700006057
Tube, ACQUITY UPLC I-Class to MS MP35N 17 in.	700008939
Tube, ACQUITY UPLC I-Class to MS PEEKsil 17 in.	700008940
Tube, ACQUITY UPLC I-Class to MS PEEK 17 in.	700008941
Tube, ACQUITY UPLC I-Class to MS PEEK 21 in.	700008942
Tube, ACQUITY UPLC I-Class to MS PEEKsil 21 in.	700008943
Tube, ACQUITY UPLC I-Class to MS PEEKsil. 003 x 21 in.	700008944
10.5 in. Col to PDA Det Inlet, SST	205000895
8.5 in. Col to TUV Det Inlet, SST	205000896

ACQUITY I-Class Sample Manager-FL

Description	Part No.
ACQUITY I-Class Sample Manager-FL Performance Maintenance Kit PM Kit Consists of: Syringes, Std Needle, Injection Cartridge, 10 µL Loop and Filters	201000258
Parts and Accessories	
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, NCS Inlet	430002579
Assy, Tube, VDD	430003103
Tube, NCS, Puncture Needle to Elbow	430003159
Syringe, 100 µL, HP	700002570
Port, Seal, Needle Wash	700002886
Assy, Puncture Needle, .059 OD	700006067
Assy, Cart, Inject, STR, FL, 18 K psi	700006069
Syringe, 2.5 mL, Inverted	700006070
Assy, Sample Loop, EXT. Hypo Tip, 5 µL	430002936
Assy, Sample Loop, Hypo Tip, 10 µL	430002938
Assy, Sample Loop, EXT. Hypo Tip, 1 µL	430003166
Assy, Sample Loop, EXT. Hypo Tip, 2 µL	430002928
Kit, I-Class FEP/Metal Needle, 10 µL	700005925
Kit, I-Class PEEKsil Needle 10 µL	700005926
Kit, I-Class FEP/Metal Needle, 20 µL	700005929
Kit, I-Class ACQUITY UPLC PEEKsil Needle	700005930
Kit, I-Class PEEK Needle, 10 µL	700005923



ACQUITY I-Class BSM

Description	Part No.
ACQUITY I-Class BSM Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000260
Parts and Accessories	
Filter, Air	405003507
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
Assy, Tube, Accu. "B" Xducer – Vent Valve	430001199
Assy, Tube, Accu. "A" Xducer – Vent Valve	430001200
Assy, Tube, Vent Valve P5 to Tee/Filter	430001207
Assy, Tube, Vent Valve P2 to Tee/Filter	430001208
Assy, Tube, SSV to i2V	430001443
Assy, Tube, Vent Valve P1 to Waste	430001893
Assy, Tube, Vent Valve P4 to Waste	430001894
Assy, Tube, Head To Xducer, MP35N	430002472
Assy, Tube, Prim-out Xducer to CV, MP35N	430002583
Tube Assy, Solvent Inlet, BSM-CR	430002800
Plunger Assy, 2/pk	700002600
Support Plant, Thickened, VHP, Head	700002601
Filter, Air	700002632
Filter, Air	700002633
Screw, Comp., 1/4 HEX, 304 SS, Gold, FLT, 10/pk	700002634
Ferrule, Set, .062, Two-piece, 10/pk	700002635
Screw, Comp., 10–32, 304SS, Gold, LG, 10/pk	700002645
Primary Inlet Check Valve Filter Kit, 2/pk	700002912
Assy, Cartridge, Filter, SS Frit	700002913
Marker Set, Tubing, ACQUITY, 2/pk	700003102
Filter, Solvent Bottle, SS, 7/pk	700003616
Kit, Check Valve, Dual Ball and Seat, 2/pk	700003755
Ferrule, Lock Ring and Screws, Flangless, 7/pk	700003797
Assy, Cartridge, I2 V, Hexane/THF, 2/pk	700004139
Fitting and Lock Ring, GPV Filter, 4/pk	700005259
Pump Head, 316 SS, DLC, Face Seal	700009190
Seal, Wash, .0787 I.D., Fixed, 2/pk	700006048
SCR, Metric SKT Cap M5 x 40, 138 K psi, 4/pk	700006049
Assy, Cart, Vent, Dogleg, 18 K psi, Dome	700006052
HP Seal, Dual Spring, Perform Seal, 2/pk	
(S/N prior to G12BUR641M must use 0.045 Seal Wash Housing and Seals Conversion Kit 205001097 first)	700006050
Assy, Housing, Seal Wash, .045, SST, 2PT	700009194
HP Seal, Dual SPR, .045 Gland, 2/pk	700009135

ACQUITY UPLC SYSTEM



ACQUITY UPLC Binary Solvent Manager

Description	Part No.
ACQUITY i2Valve Binary Solvent Manager Performance Maintenance Kit	201000197
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	
ACQUITY Binary Solvent Manager Performance Maintenance Kit	201000173
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
100 µL Filter Mixer	205000404
High Sensitivity Filter Mixer, 425 µL	205000403
Tube Assembly, Solvent Inlet SDS	430001020
Degasser Port B2 to SSV B Tube Assembly	430001113
Tube Assembly, Transducer to Check Valve	430001121
Vent Valve P5 to Tee/Filter Tube Assembly	430001207
Tube Assembly, System Outlet SDS	430001486
Transducer Assembly, Head Mounted, 15 K psi	700002594
15 K psi Head	700002595
UPLC Primary Check Valve Assembly, 2/pk	700002596
Seal Wash Housing	700002597
Wash Seal, 2/pk	700002598
Head Plunger Seal	700002599
Plunger, 2/pk	700002600
Support Plate, Thickened, VHP Head	700002601
Solenoid Valve, Solvent Select	700002603
Fuse, 5A, 250 V, 5 x 20 mm, SLO BLO® 5/pk	700002604
1/4 in. Short Compression Screw (Gold Plated)	700002634
Ferrule Set, 1/16 in. I.D., Two-piece, 10/pk	700002635
Union, .020 I.D.	700002636
Screw, Compression, Long, Gold, 10/pk	700002645
Vent Valve/Trap Valve Cartridge	700002660
Solvent Bottle Filter, Stainless Steel, 7/pk	700003616
Solvent Bottle Filter, Stainless Steel, 1/pk	700003615
50 µL High Pressure Filter Mixer	700002911
Primary Inlet Check Valve Filter Kit, 2/pk	700002912
ACQUITY Accum. Check Valve, 2/pk	700002968
O-ring, Teflon	WAT076152
Assembly, Actuator	700003557
Assembly, Tube, Transducer to Check Valve	430001773
Assembly, Tube, ssv to Active Check Valve	430001443
Fuse, 0.5 A Slow Blow	WAT042091

ACQUITY UPLC Sample Manager

Description	Part No.
ACQUITY Sample Manager Performance Maintenance Kit	201000174
PM Kit Consists of: Syringe, Needle, and Filters	
Parts and Accessories	
ACQUITY UPLC Column In-line Filter Kit	205000343
Needle Stainless Steel, 30 µL	205000362
Needle, 15 µL Stainless Steel	205000363
Needle, Stainless Steel Tip, 30 µL	205000369
Needle, Stainless Steel Tip, 15 µL	205000370
Tube Holder, 24-well, 1.5 mL Tubes	405003740
Tube Holder, 48-well, 0.65 mL Tubes	405003741
Vial Holder, 24-well, 4 mL Vial	405003742
Vial Holder, 48-well, 2 mL Vial	405003743
250 µL Sample Syringe	410001347
Sample Needle Fitting Kit	410001659
Tube Assembly, Inject Outlet, (UPLC Fittings both ends)	430001084
Needle Guide Tube	430001086
Tube Assembly, Inject Out, (UPLC fitting at injector and HPLC fitting at Col. Inlet)	430001221
Sample Loop, 2 µL	430001264
Sample Loop, 5 µL	430001311
Sample Loop, 20 µL, std.	430001320
Sample Loop, 50 µL	430001325
Sample Loop, 10 µL	430001326
2.5 mL Wash Syringe	700002569
100 µL Sample Syringe	700002570
Needle Seal O-ring, 002 Kalrez	700002572
Needle Assembly, PEEK	700002644
ACQUITY Injector Pod/Cartridge	700002765
0.2 µm SS Column In-line Replacement Frits, 5/pk	700002775

ACQUITY UPLC Sample Organizer

Description	Part No.
ACQUITY Sample Organizer Performance Maintenance Kit	201000208
PM Kit Consists of: Filters	
Parts and Accessories	
Door Window Shade	700003794
Vial Holder, 2 mL Vial (48-well)	405003743
Vial Holder, 1.5 mL Tubes (24-well)	405003740
Vial Holder, 0.65 mL Tubes (48-well)	405003741
Vial Holder, 4 mL Vial (24-well)	405003742



ACQUITY UPLC Bottle Accessory Kit

Description	Part No.
ACQUITY UPLC Bottle Accessory Kit	205000589

ACQUITY UPLC Column Manager, Column Heater, and Cooler

Description	Part No.
Column Stabilizer Kit, 50/100 mm Columns	205000291
Column Stabilizer Kit, 150 mm Columns	205000365
Column Support Clips, 10/pk	205000478
Ferrule, PEEK, 1/16, HPFT, 10/pk	700003114
Fingertight Reusable Fittings Kit	700003139
Door Seal Gasket	700003147
Snap-in Clip, 1/16 Tubing	700003151
Column Retainer Rod, 2/pk	700003156
Exit Drip Tray	700003164
I-Button Cord Clip	700003167
Collet, Reusable, HPFT, 10/pk	700003168
Screw, Comp., Reusable, HPFT, Gold, 10/pk	700003169
1-piece Fitting, 10–32, 10/pk	700004841
Column Support Clips, Column Heater, 10/pk	205000263
Column Heater Thermal Gasket	425000536
Front Cover, Column Heater	700002587
Collet, Reusable, HPFT, 2/pk	700003115
Screw, Comp., Reusable, HPFT, Gold, 2/pk	700003116

ACQUITY UPLC Open Architecture System

Description	Part No.
Open Architecture UPLC Performance Maintenance Kit	
PM Kit Consists of: Injection Cartridge, 10 µL Loop Tension Cords and Lubricant (Relevant Syringe is Ordered Separately)	201000198
Parts and Accessories	
10 µL Sample Loop	430001326
25 µL Syringe	700002705
5 µL Sample Loop	430001311
Column Manager Tubing Assembly	430002015
Column Stabilizer Tubing Assembly	205000585
Injection Valve Adapter	700004145
Injection Valve Pod	700004144
MS Inlet Tubing Assembly	430001229
O-ring, Injection Valve Drive	700004147
Syringe Kit, 25 µL	205000275
System Outlet Tubing	430001017
Valve Drive	700002455
Waste Check Valve Kit	700004057
Ferrule Set, (062), 2-piece	700002635
Good Compression Screw, Long, 10/pk	700002645
Good Compression Screw, Short, 10/pk	700002634



NEW ACQUITY ISOCRATIC SOLVENT MANAGER

Description	Part No.
ACQUITY ISM Performance Maintenance Kit	
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000286
Parts and Accessories	
22 µL Filter Assy	205000731
Assy, Tube, Head to Xducer	430001120
Assy, Tube, Xducer to Check Valve	430002357
Wash Pump Solenoid	700001513
Plunger, .0787 Diameter x 1.415, 2/pk	700002600
Support Plant, Thickened, VHP, Head	700002601
Primary Inlet Check Valve Filter Kit	700002912
Transducer, Pressure	700006045
Seal, Wash, .787 I.D., Fixed 2/pk	700006048
Tube, Vent Valve P2 to Filter, ISM	700009491
Tubing, .156 OD x .031 I.D., Pharmed	700009694
Tube, Inlet to Check Valve	700009699
Tube Assy, Solvent Inlet, ISM	700009700
Tee, w/Bracket	700009708
Tube, PEEK, .007 in. I.D. x 16 in. L	700009709
Module, Restrictor, 100 S/R	700009712
Module, Restrictor, 10 S/R	700009713
Module, Restrictor, 250 S/R	700009714
Capillary Tube, ISM Outlet	700009715
Capillary Tube, Optic Det Inlet	700009716
Module, Restrictor, 5 S/R	700009776
Tube, PEEK, .062 x .010 x 60.0 Lg	700009778
Tube, PEEK, .062 x .005 x 26.0 Lg	700009779
Tube, PEEK, .007 I.D., 28.0 in. Lg	700009780
Tube, Connector, UPC ²	700009781
Module, Coiled Probe, Dual Det	700009782
Module, Coiled Probe, Triple Det	700009783
Tube, PEEKsil, 75 µm x 31 in. L	700009784
Support Plate for Drip Tab	700009789
Tube, SST w/AU, .007 in. I.D. x 28 in. Lg	700009796
Tube, SST, .005 in. I.D. x 20 in. L	700009797
Tube, SST, .01 in. I.D. x 60 in. L	700009798
Tube, SST/w/AU, .007 in. I.D. x 5 in. L	700009799
Solvent Filter, Thru Tube, 316SS	700010196
O-ring, 2–016, Teflon	WAT076152

ACQUITY UPLC DETECTORS

NEW ACQUITY QDa Detector

Description	Part No.
ACQUITY QDa STD Performance Maintenance Kit PM Kit Consists of: O-rings, Seals, Filters, Aperture Disk Assy, and Calibration Pin	201000292
ACQUITY QDa High Performance Maintenance Kit PM Kit Consists of: O-rings, Seals, Filters, Aperture Disk Assy, Calibration Pin, and Rotary Pump Components	201000293
Parts and Accessories	
O-ring, 2.6 I.D. x 1.9 C/S Viton, 10/pk	700000943
Ion Block Assembly	700009595
Sample Cone	700009597
Gasket, Pumping Block (Front)	700009598
Seal, Custom Shaft	700009601
Gasket, Ion Block	700009603
Source Aperture Carrier	700009608
O-ring, Viton, 28 x 1 mm	700009614
Cone Gas Nozzle	700009625
Cone Clamp	700009626
Source Gas Seal	700009627
ESI Probe Assy, 250 mm x 100 µm, ACQUITY	700009641
ESI Probe Assy, 500 mm x 100 µm, ACQUITY	700009642
Calibration Pin	700009664
Pumping Block Assembly	700009678
Rotary Pump, RE6 B-oil, 1 L	700009679
Diaphragm Pump Service Kit	700009680
ESI Source Attachment Knob, 2/pk	700009690
Calibration Pin Insulator	700009729
Aperture Disc Assembly, 0.2 mm, Performance	700009768
Aperture Disc Assembly, 0.09 mm, Standard	700009769
ESI Probe, 200 mm x 50 µm, SFC	700009771
O-ring, Conductive, 7.1 x 1.6 mm	700009810
Septa, Advanced Green, Non Stick, 11 mm	700009976
Probe Assy, 750 mm x 50 µm, UPC	700009977
External Valve Drain Assembly	700010156
Thumbscrew Assembly	700010158
Oil Filter Insert	700010211
Absorbent Felt	700010213
Gasket, Pumping Block (Rear)	700010217
ESI Probe Assembly 250 mm	700009641
ESI Probe Assembly 500 mm	700009642
SFC Probe Assembly 200 mm	700009771
Probe Assembly 750 L x 50 µm	700009977

NEW ACQUITY UPLC RI Detector

Description	Part No.
Kit, ACQUITY RI Compatibility Kit for APC	205001157
Parts and Accessories	
Valve, 2-way Solenoid	700002360
Assy, Pressure Relief, 1/4–28, 35 psi	700002361
Valve, 3-way Recycle	700002362
Tubing, Union to Relief Valve	700002363
Tubing, Union to Purge Valve	700002364
Tubing, 2-way to 3-way Valve	700002378
Welded Tube Assy, SST, 14.5 LG, HP	700005476
Ferrule, Flangeless w/Lock Ring — 3/pk	700009440
Tubing, ETFE, .030 I.D. x .062 OD	700009554

ACQUITY UPLC TUV Detector

Description	Part No.
ACQUITY PDA/TUV 2489/2998 Performance Maintenance Kit PM Kit Consists of: PerformancePLUS Lamp	201000281
ACQUITY TUV Performance Maintenance Kit, PM Kit Consists of: PerformancePLUS Lamp (for ACQUITY TUV through S/N K05UPT699N)	WAS081142
Parts and Accessories	
Flow Cell, Std., ACQUITY TUV, (TUV with S/N K05UPT699N or lower)	205015000
Flow Cell, Low Flow, ACQUITY TUV, (TUV with S/N K05UPT699N or lower)	205015001
ACQUITY UPLC I.D. Cell TUV, Analytical	205015033
Flow Cell, High Sensitivity, 2.4 µL Vol. (TUV with S/N K05UPT700N or higher)	205015018
Connector Plug, 10-position	323000247
Tube Assembly, Low Flow, TUV Inlet	430001749
Tube Assembly, Std. Flow, TUV Inlet	430001748
Ethernet Patch Cord, 5 ft.	441000456
Fuse, 3.15A (250 V, 5 x 20 mm), 2/pk	700001800
Backpressure Regulator	700002676
Power Cord, 110 V	WAT097194

ACQUITY UPLC PDA Detector and eLambda Detector

Description	Part No.
ACQUITY PDA/TUV 2489/2998 Performance Maintenance Kit PM Kit Consists of: PerformancePLUS Lamp	201000281
Parts and Accessories	
ACQUITY PDA, Standard Flow cell, 10 mm 500 nL (for earlier models)	205015036
ACQUITY UPLC I.D. Cell PDA, Analytical Flow Cell	205015017
ACQUITY UPLC I.D. Cell PDA, High Sensitivity	205015019
Connector Plug, 10-position	323000247
Ethernet Patch Cord, Shielded, 5 ft.	441000456
Event Cable, 6 ft.	441000373
Backpressure Regulator, 250 psi	700002676
Fuse, 3.15A (250 V, 5 x 20 mm), 2/pk	700001800
Power Cord, 110 V	WAT097194
Assembly, Tube Inlet .004 I.D. PDA	430001784
Leak Sensor	205000505
Tube Assembly, Low Flow, PDA Inlet	430001783

ACQUITY UPLC 2996 Detector

Description	Part No.
ACQUITY UPLC 2996 PDA Detector Performance Maintenance Kit	
PM Kit Consists of: PerformancePLUS Lamp (Through S/N: K05UPD699N)	WAT052586
Flow Cell, Std., ACQUITY 2996 (For 2996 S/N K05UPD699 or lower)	205015002
Flow Cell, Low Flow, ACQUITY 2996 (For 2996 S/N K05UPD699N or lower)	205015003
Connector Plug, 10-position	323000247
Tube Assembly, Low Flow, 2996 Inlet	430001783
Tube Assembly, Std. Flow, 2996 Inlet	430001784
Backpressure Regulator	700002676
Fuse, 3.15A (250 V, 5 x 20 mm), 2/pk	700001800
I/O Terminal Plug, 10-pin	WAT057112
Power Cord, 110 V	WAT097194
Fuse 2.0A, 250 V, Fast-blo, 5 x 20 mm	WAT163-14
Lamp Mounting Screw, M4 x 10	WAT411410

ACQUITY UPLC FLR Detector

Description	Part No.
ACQUITY UPLC FLR Detector Performance Maintenance Kit	
PM Kit Consists of: Lamp Assy	201000193
ACQUITY FLR Flow Cell Assembly	700003711
Fuse Drawer	WAT055426
Fuse 3.15A, 250 V	700001800
10-position I/O Connector	323000247
Connector Shell Cover	323000446
Union, Internal Reducer	410002096
Backpressure Regulator	700002676
Fluorescence System PQ Solution	700003694
Analog Out Cable Assembly	WAT057235
Power Cord, 110 V	WAT097194
External Ethernet Cable	441000372

ACQUITY UPLC ELS Detector

Description	Part No.
ACQUITY ELSD/ELSD Performance Maintenance Kit	
PM Kit Consists of: Lamp Assy	201000159
Nebulizer	205000342
Connector Plug, 10-position	323000247
Packing Ring, Nebulizer	425000326
PEEK Tubing, 6 in. x .004 in. I.D.	430001562
PEEK Tubing, 14 in. x .004 in. I.D.	430001565
Ethernet Cross-over Cable, 3 ft.	440000145
Ethernet Patch Cord, 5 ft.	441000456
Bottle/Vapor Trap, 1000 mL	700002682
Siphon Drain Tube	700002801
Event In/Out Cable Assembly	WAT020321
Analog Out Cable Assembly	WAT057235
Fuse 5.0A, 250 V, 5 x 20 mm, Fast-acting	WAT163-18

WATERS HIGH BRIGHTNESS LAMP WITH INTELLIGENT TECHNOLOGY

The Waters High Brightness (HB) Lamp consists of characteristics that go beyond what the competition can offer. The HB Lamp is equipped with intelligent technology when installed.

This intelligent technology allows for the electronic recording of pertinent component information viewable within the Empower Software database and is available for inclusion in a comprehensive status report. It holds lamp changes and updates in a lamp history file, including serial number, usage hours, and ignitions, so if the lamp is transferred between units, the data travels with it.

No more guess work as to how long the lamp has been running or the need to manually record the lamp changes — it's automatic.

Providing better traceability and accurate lamp lifetime recording to our customers are just a few of the enhancements we have added to this lamp.

The High Brightness Lamp with Intelligent Technology is currently available for our latest ACQUITY UPLC PDA and TUV Detectors.



Description	Part No.
PerformancePlus HB Deuterium Lamp Assembly	700005269

ACQUITY UPLC LOCAL CONSOLE CONTROLLER KIT

Instant, convenient access to your ACQUITY UPLC System

ACQUITY UPLC Local Console Controller (LCC) lets you prepare systems for operation, define initial conditions, and run diagnostic tests via a PDA-like handheld device.

- Simply prepare ACQUITY UPLC Systems for operation
- Rapidly set up initial conditions
- Easily view system status when acquiring data
- Quickly run diagnostic tests next to the ACQUITY UPLC System

To learn more, go to www.waters.com/lcc



Description	Part No.
ACQUITY Local Console Controller Kit*	725000464
ACQUITY UPLC Local Console Controller Y-cable and Power Supply Kit*	205000590

*Note: Both part numbers are required to properly install the device to the classic ACQUITY UPLC.

ACQUITY UPLC H-CLASS SYSTEM



ACQUITY H-Class Sample Manager-FTN

Description	Part No.
ACQUITY H-Class Sample Manager Flow Through Needle Performance Maintenance Kit	201000234
PM Kit Consists of: Mixer, Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Sample Needle Kit, 15 µL	700005215
In-line Waste Valve, 1/4–28 Thread	410003180
Seal Extension Tube	700005234
Injector Valve Cartridge, SM-FTN	700005236
Sample Needle Guide	405008854
Needle Seat	405011492
Syringe 100 µL, HP	700002570

ACQUITY H-Class Column Heater Active

Description	Part No.
Door Latch with Pins	700005248
Clip Retainer	415001544
Active Preheater Assembly	205000730
Column Support Clips, 10/pk	205000478
Screw, Panel, M4 x 16, Blue	410003295
Extension Arm Kit, Optional	205000726
Drip Tray, CH-A	415001608
Tygon Tubing (0.375 in. OD x 0.250 in. I.D.)	700001796
External Cable, Right Angle	441001040
I-Button, CH-A	700005251

ACQUITY H-Class UPLC Local Console Controller Kit

Description	Part No.
ACQUITY H-Class Local Console Controller*	725000464
ACQUITY H-Class LCC Bracket*	205000650

*Note: Both part numbers are required to properly install the device to ACQUITY UPLC H-Class.

ACQUITY H-Class Quaternary Solvent Manager

Description	Part No.
ACQUITY H-Class Quaternary Solvent Manager Performance Maintenance Kit	201000233
PM Kit Consists of: Mixer, Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Bottle Tray	289002414
Seal Wash Waste Fittings	405003015
Plunger Removal Tool	405007627
Inlet Manifold	405010508
Screw, Metric Skt Cap M5 x 40, 2/pk	410001296
Tube Assembly, Degasser to GPV	430002208
Tube Assembly, Transducer to Vent Valve	430002316
Tube Assembly, Vent Valve P4 to Waste	430002317
Tube Assembly, Vent Valve P2 to Outlet Filter	430002319
Tube Assembly, Transducer to Check Valve	430002357
Tube Assembly, GPV-D to Mixer Manifold	430002387
Tube Assembly, GPV-C to Mixer Manifold	430002388
Tube Assembly, GPV-A to Mixer Manifold	430002389
Tube Assembly, GPV-B to Mixer Manifold	430002390
Tube Assembly, Mixer Manifold to I2 V	430002400
Outlet Housing Cartridge, Stainless Steel	700001530
Transducer	700002594
Pump Head	700002595
Seal Wash Housing	700002597
Seal Wash Housing Seal	700002598
Head Plunger Seal	700002599
Plunger	700002600
Head Support Plate	700002601
Ferrule Set (.062 2-piece), 10/pk	700002635
Vent Valve Cartridge Assembly	700002660
Screw, Metric Skt Cap M3 x 16, 4/pk	700004023
I2 V Valve	700005162
Check Valve, Double Ball and Seat	700005164
I2 V Valve Cartridge, 1/pk	700005165
Filter, Air, Door	700005167
Filter for GPV, 4/pk	700005173
Assy, Mixer, 100 µL, QSM	700005119
O-ring, Teflon, Pump Head	WAT076152
Seal Wash Pump Solenoid	WAT270926

ACQUITY UPLC H-CLASS BIO SYSTEM

ACQUITY H-Class Bio SM-FTN

Description	Part No.
H-Class Bio FTN Performance Maintenance Kit	201000201
PM Kit Consists of: Syringe, Std Needle, Injection Cartridge, and Filters	
Parts and Accessories	
Air Filter, Side Panel	401000694
Seat, Vespel with Anti-rot	405011492
Calibration Pin, RZZ Mechanism	405013532
Union, 1/4–28, THRU	410001281
Ferrule, Set, .062, Two-piece	410001349
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., Injection Valve	430002360
Assy, Tube, Waste, Injection Valve	430002362
Tube Assy, Sample Manager Purge, Bio	430002464
Tube Assy, Sample Manager Wash, Bio	430002487
Syringe, 100 µL, HP	700002570
Screw, Comp., 1/4 HEX, 304 SS, Gold, FLT, 10/pk	700002634
Ferrule, Set, .062, Two-piece, 10/pk	700002635
Ferrule, Flangeless, Tefzel, Lock Ring	700003796
Ferrule, Lock Ring and Screws, Flangeless, 7/pk	700003797
Solvent Filter, Titanium, 7/pk	700005378
Cartridge, Inject Valve, Bio	700005407
Needle, DI-15 µL, MP35N, BioSM-FTN	700005421
Kit, Tube Markers, Purge/Wash	700005429

ACQUITY H-Class Bio Column Management

Description	Part No.
CH30-A	
APH Bio MP35N, 12.5 in. LG	205000756
APH Bio MP35N, 23 in. LG	205000777
CH-30A Tubing Kit, Bio	205000792
Tube, Outlet, MP35N, 22.5 in. LG	700008914
Tube, Outlet, MP35N, 36 in. LG	700008915
CM-A	
CM-A and CM-Aux Performance Maintenance Kit	201000207
PM Kit Consists of: Filters	
Parts and Accessories	
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
By-pass Tubing, MP35N, .005 in. I.D.	430002779
APH Bio MP35N, 12.5 in. LG	205000756
APH Bio MP35N, 18.5 in. LG	205000775
Valve Cartridge Kit, TI CM-A	205000773



ACQUITY H-Class Bio QSM

Description	Part No.
ACQUITY H-Class Bio QSM Performance Maintenance Kit	201000244
PM Kit Consists of: Mixer, Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Tube Assy, Solvent Inlet, BioQSM	430002274
Assy, Tube, Vent Valve P4 to Waste, QSM	430002317
Assy, Tube, Head to Xducer, MP35N	430002472
Assy, Tube, Degasser to GPV, MP35N	430002474
Assy, Tube, Xducer to Check Valve, MP35N	430002475
Assy, Tube, Xducer to Vent Valve, MP35N	430002476
Assy, Tube, Vent VLV P2 to Filter, MP35N	430002477
Assy, Tube, Mixer Manifold to I2 V, MP35N	430002479
Assy, Tube, GPV-A to Mixer, MP35N	430002481
Assy, Tube, GPV-B to Mixer, MP35N	430002482
Assy, Tube, GPV-C to Mixer, MP35N	430002483
Assy, Tube, GPV-D to Mixer, MP35N	430002484
Transducer Assy, Head Mounted, 15 K psi	700002594
Plunger, .0787 Diameter x 1.415, 2/pk	700002600
Support Plant, Thickened, VHP, Head	700002601
Screw, Comp., 1/4 HEX, 304 SS, Gold, FLT, 10/pk	700002634
Ferrule, Set, .062, Two-piece, 10/pk	700002635
Screw, Comp., 10–32, 304SS, Gold, LG, 10/pk	700002645
Pin Plug, 1/16 in., High Pressure, 5/pk	700002747
Ferrule, Flangeless, Tefzel, Lock Ring	700003796
Ferrule, Lock Ring and Screws, Flangeless, 7/pk	700003797
Filter, Air, Door	700005167
Assy, Mixer, 100 µL, BioQSM	700005258
Fitting and Lock Ring, GPV Filter, 4/pk	700005259
Solvent Filter, Titanium, 7/pk	700005378
Barbed Seal Wash Housing, Titanium	700005410
Pump Head, ACQUITY, Titanium	700005411
Cartridge, Vent Valve, BioQSM	700005413
Cartridge, i2V, BioACQUITY	700005414
Check Valve, Accumulator, TI	700005415
HP Seal, .0787 I.D., Flanged, Bio	700005418
Holder, 20 Micron Frit, Titanium, 4/pk	700005419
Wash Seal, .0787 I.D., Flanged, Bio	700005422

NEW ACQUITY UPLC M-CLASS SYSTEM

ACQUITY M-Class μ SM-FL

Description	Part No.
μ SM-FL Performance Maintenance Kit	201000290
PM Kit Consists of: Syringes, Std Needle, and Filter	
Parts and Accessories	
Plug, One-piece, 10–32, Coned	410001400
Tube Assy, Strong Needle Wash-in	430002491
Tube Assy, Weak Needle Wash-in	430002680
Sample Loop, Ext. Hypo Tip, 2 μ L	430002928
Sample Loop, Ext. Hypo Tip, 5 μ L	430002936
Sample Loop, Ext. Hypo Tip, 10 μ L	430002938
Sample Loop, Ext. Hypo Tip, 1 μ L	430003166
Syringe, 100 μ L, HP	700002570
Kit, I-Class PEEKsil Needle 10 μ L	700005926
Puncture Needle, .059 OD	700006067
Tube, Vent/Drain	700009863
Cart, Injection, 18 K psi, μ SM-FL	700009864

ACQUITY M-Class μ BSM/ASM

Description	Part No.
μ BSM/ASM Performance Maintenance Kit	201000289
PM Kit Consists of: Mixer, Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Certified Container Low Volume Kit	186007278
Assy, Tube, Vent Valve P1 to Waste	430001209
Assy, Tube, Vent Valve P4 to Waste	430001210
Assy, Tube, Head to Xducer, MP35N	430002472
Assy, Tube, Prim-out Xducer to CV, MP35N	430002583
Plunger, .0787 Diameter x 1.415, 2/pk	700002600
Support Plant, Thickened, VHP, Head	700002601
Valve, Solenoid, Solvent Select	700002603
Tubing, 3/16 in. OD x 1/16 in. I.D., TYGON, 25 in.	700003751
Filter, In-line, Titanium Kit, 2/pk	700003784
Cartridge, Filtered Ferrule, Titanium, 2/pk	700003785
i2V PEEK High Pressure Gasket	700005218
PEEK Check Valve Washer	700005221
Reduced Height i2V, Bio	700005412
Cartridge, Valve, Vent	700005413
Cartridge, i2V, BioACQUITY	700005414
Check Valve, Accumulator, TI	700005415
Transducer, Pressure	700006045
Filter, 1/2 micron, HP, Titanium	700009010
Tee, nano, M-detail, TI	700009830
Seal, Wash HSC, Dual Sprg, 2P, TI	700009836
Pump Head, TI, DLC, Face Seal, Straight	700009837
HP Seal, Dual Spring, .045, 2/pk	700009838
Seal, Wash .0787 I.D., Fixed, Bio, 2/pk	700009839
Tube, Degass Port B2-SSV B, MP35N	700009843
Tube, Degass Port A2-SSV A, MP35N	700009844
Tube, SSV to i2V, MP35N	700009845
Tube, Vent Valve P2-filter, MP35N	700009846
Tube, Vent Valve P5-filter, MP35N	700009847
Tube, Accu "A" Xducer-V VP3	700009848
Tube, Accu "B" Xducer-VV P6, MP35N	700009849
Tube, Filter Inlet A, FCM, MP35N	700009850
Tube, Filter Inlet B, FCM, MP35N	700009851
Tube Assembly, Inlet ASM	700009858
O-ring, 2–016, Teflon	WAT076152



ACQUITY M-Class TVM

Description	Part No.
Tee, MMV Nano	289004442
Tube, Cap, 40 μ m x 10 in, V-V, HP	700009875
Tube, Cap, 25 μ m x 30 in, M-M, HP	700009876
Tube, Cap, 40 μ m x 6 in, V-V, HP	700009878
Tube, Cap, 40 μ m x 6 in, M-V, HP	700009880
Tube, Cap, 40 μ m x 26 in, V-V, HP	700009881
Cap Tube, 40 μ m x 30 in, V-PT, HP	700009889
Capillary Tubing, 75 μ m x 30 in, Infusion	700009890
Capillary Tubing, 40 μ m x 40 in, Inlet	700009891
Waste Tube, TVM, 31 in.	700009892
Cap Tube, 40 μ m x 20 in. L, M-V	700009894
Cap Tube, 25 μ m x 20 in. L, M-V	700009895
Capillary Tubing, 40 μ m x 40 in, Waste	700009896
Nano Tee, #6–40 Ports	700009920
Tube, PEEKsil, 25 μ m x 30 in. L, M-V	700010040
Tube, PEEKsil, 25 μ m x 50 cm LG, V-V	700010042
Tube, Cap w/Frit, 40 μ m x 26 in. L	700010059

NANOACQUITY UPLC SYSTEM

nanoACQUITY High Pressure BSM/ASM

Description	Part No.
nanoACQUITY Solvent Manager Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000181
Parts and Accessories	
Assembly, Bottle Tray	289002414
1/2 µm Filter Assembly	289002111
Solvent Filter Assembly, 5 µm	289002172
Degasser Port B2 to SSV B Tube Assembly	430001113
Degasser Port B1 to SSV B Tube Assembly	430001114
Degasser Port A1 to SSV A Tube Assembly	430001115
Degasser Port A2 to SSV A Tube Assembly	430001116
Tube Assembly, Pumphead to Transducer	430001120
Tube Assembly, Transducer to Check Valve	430001121
Tube, Vent Valve Port 1 to Waste	430001209
Tube, Vent Valve Port 4 to Waste	430001210
Tube, Vent Valve Port 5 to Filter	430001346
Solvent Inlet Tube (Aux. Pump Only)	430001389
Tube Set, A2 and B2 Inlet Lines	430001436
Tube, Vent Valve Port 2 to Filter	430001511
Tube, Vent Valve Port 5 to Filter	430001512
Tube, Acc. A Transducer to Vent Valve P3	430001534
Tube, Acc. B Transducer to Vent Valve P6	430001535
Tube, Filter to Flow Sensor Inlet A	430001568
Tube, Filter to Flow Sensor Inlet B	430001569
Tube, ASM to MS, 25 µm x 60 in.	430001572
Fuse Drawer	700001502
Transducer Assembly, Head Mounted, 15 K psi	700002594
15 K Pump Head	700002595
UPLC Primary Check Valve Assembly, 2/pk	700002596
Wash Seal, 2/pk	700002598
Head Plunger Seal	700002599
I/O Connector Plug, 12 pin	WAT270868
Plunger, 2/pk	700002600
Support Plate, Thickened	700002601
Solenoid Valve, Solvent Select	700002603
Fuse, 5A, 250 V, 5 x 20 mm, SLO BLO, 5/pk	700002604
Ferrule Set, 1/16 I.D., Two-piece, 10/pk	700002635
Screw, Comp., 10–32, SS Gold Plated, 10/pk	700002645
Vent Valve/Trap Valve Cartridge	700002660
1/2 µm Filter Insert Assembly	700002696
Tube, Vent Valve Port 2 to Filter	700002702
Tube, ASM to MS, 25 µm x 60 in.	700002712
Solvent Inlet System Tube Set	700002713
Check Valve, Double Ball and Seat, 2/pk	700002968
O-ring, Teflon	WAT076152



nanoACQUITY High Pressure Sample Manager

Description	Part No.
nanoACQUITY Sample Manager Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000182
Parts and Accessories	
Shuttle Tray Kit	205000542
Kit, Tubing 2D/2 Pmp. Trap, nanoACQUITY	205000398
Union, Zero Dead Volume	289000439
nano-Tee without Gauge Pin	289002576
nano Trap Column Holder	289002802
Tube Holder, 24-well, 1.5 mL Tubes	405003740
Tube Holder, 48-well, 0.65 mL Tubes	405003741
Vial Holder, 24-well, 4 mL Vial	405003742
Vial Holder, 48-well, 2 mL Vial	405003743
Fitting, Plug, PEEK, Knurled	405005067
Fitting, PEEK, Knurled One-piece	405005068
50 µL Sample Syringe	410001348
2 µL Sample Loop	430001264
5 µL Sample Loop	430001311
20 µL Sample Loop	430001320
50 µL Sample Loop	430001325
10 µL Sample Loop	430001326
Assembly, Cap. Tube with Frit 25 µm x 18 in.	430002242
Capillary Tubing with Frit, 25 µm x 10 in.	430001570
Capillary Tubing with Frit, 40 µm x 16 in.	430001571
25 µm Capillary, BSM to Trap Valve	430001575
40 µm Capillary, ASM to Inject Valve	430001576
Capillary Tubing Assembly, Injection Valve to Column	430001577
Capillary Tubing Assembly, Injection Valve to Trap Valve	430001629
2.5 mL Wash Syringe	700002569
100 µL Sample Syringe	700002570
Needle Seal O-ring, 002 Kalrez	700002572
Fuse, 0.25A, 250 V	700002576
Fuse, 10A, 5 mm x 20 mm, Slo Blo	700002577
1/4 in. Short Comp. Screw, (Gold Plated)	700002634
Sample Needle, PEEK, 15 µL	700002708
Capillary Tube, 300 µm Column Inlet	700002754
Capillary Tube, 300 µm Column Outlet	700002755
300 µm Column Inlet/Outlet Tubing Kit	700002757
Injector Valve Pod/Cartridge	700002907
Column Heater	700002908

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nanoACQUITY TUV Detector

Description	Part No.
ACQUITY PDA/TUV 2489/2998 Performance Maintenance Kit	201000281
PM Kit Consists of: PerformancePLUS Deuterium Lamps	
UPLC TUV Detector Performance Maintenance Kit (TUV with S/N through K05UPT699N)	WAS081142
PM Kit Consists of: PerformancePLUS Deuterium Lamps	
TUV Flow Cell, 10 nL (TUV with S/N through K05UPT699N)	205000159
TUV Flow Cell, 10 nL (TUV with S/N K05UPT700N and above)	205015013
Connector Plug, 10-position	323000247
Fuse, 3.15A (250 V, 5 x 20 mm), 2/pk	700001800
Backpressure Regulator	700002676
Fuse Holder	WAT055426

nanoACQUITY UPLC System with 2D Technology

Description	Part No.
Assembly, Waste Tube, HTM, Peek	430001456
Union, Nano, 6–40	289004407
Tee, Nano M-M-V Detail	289004442
Capillary Tubing, BSM-mmV Tee, M-M 25 µm x 24 in.	430002140
Capillary Tubing, Injection Valve to Trap Valve, V-V 40 µm x 13 in.	430001629
Holder, MVM nano-Tee	700004599
Assembly, Capillary Tubing, 1st D Col. In/Out 10 in.	430002183
Assembly, Capillary Tubing, Trap Valve to MMV Tee 12 in.	430002153
Assembly, Capillary Tubing, BSM2-Injection Valve, 22 in.	430002155
Assembly, Capillary Tubing, BSM-Trap Valve, 30 in.	430001575
Assembly, Pod, Trap Valve, 3 trace	700004601
Assembly, Capillary Tube with Frit 25 µm x 18 in.	430002242
nano-Tee, M-M-M Detail	289002576
Pin Plug, 1/16 in., High Press.	700002747
Capillary Tubing Assembly Injection Valve to Trap Valve	430001577
Capillary Tubing with Frit, 40 µm x 16 in.	430001571
Tubing Assembly, Solvent Select Valve to In-line Filter	430001470
Mixer Assembly, 1.0 x 50 mm, Zirc. Bead	289003345
Tubing, Capillary, 300 µm Col. Outlet	430001848
Tubing, Capillary with Frit, 75 µm x 10 in.	430001837
Tubing, Capillary with Frit, 75 µm x 8 in.	430001835
Thumb Screw, Stainless Steel, M5 x 11 mm Large	410001697
Ethernet Switch Box, 8-port	725000455
Mixer Kit for 1 mm Column	205000540

nanoACQUITY HDX Manager

Description	Part No.
Parts and Accessories	
Assy, Tube, Post Column, .005 I.D.	430001919
Assy, Tube, Column HTR/CLR, HPLC	430001923
Column Clip, 4/pk	700002143
Ferrule Set, 1/16 I.D., Two-piece, 10/pk	700002635
Screw, Comp., 10–32, SS Gold Plated, 10/pk	700002645
One-piece Fitting, 10–32, 10/pk	700004841
Clip, Snap-in, 1/16 in. Tubing, 5/pk	700003792
Union	WAT097332

ACQUITY UPLC FlexCarts

Make your System Mobile

The ACQUITY UPLC FlexCart wheeled cart is a complete system platform that facilitates convenient installation of the ACQUITY UPLC and makes it easier to position the system close to the inlet of the mass spectrometer. The FlexCart provides electrical outlets, supports computer monitor and keypad, and manages fluid waste container. The FlexCart is available for both ACQUITY UPLC and nanoACQUITY Systems.



Description	Part No.
ACQUITY UPLC FlexCart	205015015
nanoACQUITY UPLC FlexCart	205016040

ALLIANCE SEPARATIONS MODULES

2695 Separations Module

2690/2695 Performance Maintenance Kit



Replacement Plunger



Description	Part No.
2690/2695 Separations Module Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, Filters, Needle, Syringe (250 µL), and Injector Rebuild Kit	WAT270944

2695D Separations Module

2690D/2695D Separations Module 8 Needle Performance Maintenance Kit



Description	Part No.
2695D Separations Module 8 Needle Performance Maintenance Kit* PM Kit Consists of: Dispenser Syringes, Needles and Filters	700000201
* NOTE: For proper maintenance of the 2695D, please make sure to order PM Kit: 700000201 and PM Kit: WAT270944 .	

2795 Separations Module

2795 Performance Maintenance Kit



Syringe



Description	Part No.
2795 Separations Module Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, Filters, Needle, Syringe (500 µL), and Injector Rebuild Kit	201000107

2796 Separations Module



Description	Part No.
2796 Separations Module Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, Filters, Needle, Syringe (500 µL), and Injector Rebuild Kit	201000169

Important Information About Selecting Components for Waters Separations Modules and Pumps

Waters Separations Modules and Pumps are assembled using the highest quality components available. The parts for Performance Maintenance that have been recommended are intended to optimize the system for the widest variety of applications.

A number of options are available for applications that may require alternative technology to meet different performance expectations. In some cases, these options may provide better performance for a particular application and operating environment. The following may be used as a guide to selecting alternative components.

This information is not intended as a hard-and-fast set of rules, but as recommendations that may be more effective depending upon your specific application requirements. Some experimentation may be required to find the best configuration for your application.

Sapphire Plungers

One of the most important components is the sapphire plunger. It must be clean and smooth if any plunger seal is expected to work for any length of time. Waters recommends in our Performance Maintenance strategy that you change them once each year.

Waters offers two plungers. The standard plunger is manufactured using the traditional processes in place by Waters and other instrument vendors. Waters also offers the PerformancePLUS Sapphire Plunger, which has the crystalline structure of the plunger oriented lengthwise, rather than randomly. This results in a harder surface around the circumference of the plunger, extending its expected lifetime. The condition of the sapphire plungers is critical. PerformancePLUS plungers with the oriented crystal structure will provide the best sealing surface and durability.

Plunger Seals

Plunger seal material is another critical variable. Plunger seals are available in several materials that can be used for improved performance in specific applications. Plunger seal life should typically be six months to one year; you may try the alternative seals if the lifetime is lower.

Plunger Seal Wash

Seal-wash solvent lubricates the plungers and flushes away any solvent or dried salts forced past the plunger seal from the high-pressure side of the piston chamber. This wash cycle extends the life of the seals. Position the plunger seal-wash reservoir in a visible location above the solvent management system, and refill the reservoir as necessary with a solvent that is suited to your application.

For reversed-phase HPLC applications, use an aqueous plunger seal-wash solution with enough organic content to inhibit bacterial growth. For example, use an 80% water with 20% methanol or acetonitrile, depending on your application. For all GPC (normal phase) separations, use a 50/50 mix of methanol and water for your seal-wash solution.

Note: Please ensure that you use separate solutions and containers for the plunger-seal wash and the sample management system or autosampler needle wash. Because the functions of these solutions differ, the use of one solution for both functions may compromise the effectiveness of either needle washing or plunger-seal washing. Change plunger seal wash seals whenever the main plunger seals are changed.

Check Valves

Check valve failures can be a common cause of reproducibility problems. There are a number of check valve failure modes, including sticking (failure to open or close) and intermittent leaks, which results in variable retention times and pressure fluctuations. Intermittent leaks are often caused by particulate matter that sticks to the check valve ball. This material can come from the mobile phase, shedded seal material, dirty glassware, or poor laboratory cleanliness.

Waters offers optional configurations of check valve cartridges. The standard check valve cartridge contains a synthetic ruby ball and sapphire seat.

A second option for separations modules is the PerformancePLUS check valve Cartridge* (Standard for 500 and 600 Series pumps). This cartridge has a larger ball and seat (3.175 mm) and internal volume. The ball and seat are manufactured from ruby and sapphire. This cartridge has been effective in solving sticking problems and provides excellent sealing characteristics. The larger orifices in this cartridge can provide an advantage at higher flow rates.

Another optional check valve cartridge is available with a ceramic ball and seat which can be helpful in applications where the ruby/sapphire ball and seat-based check valves still exhibit problems with sticking.

Check valves should perform within specification for a year or more for most customers. This can be greatly affected by laboratory practices, solvent preparation, choice of plunger seal material, and the mobile phase required for the application. Check valve sticking can be reduced or eliminated by experimenting with different ball and seat sizes and materials to see which provides optimal performance for the particular application and operating environment.

*Requires PerformancePLUS Separations Module Check Valve Housing, p/n: [700002332](#), 2/pk.

COMMON PARTS FOR ALLIANCE SYSTEMS



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Common Parts for Alliance Systems

Description	2690/D 2695/D	2790 2795	2796	Part No.
Plunger Oriented (Optional)	•	•	•	WAT271067
Assembly, Plunger (Standard)	•	•	•	WAT270959
Head, Plunger Seal Kit (clear)	•	•	•	700001326
Head, Plunger Seals Repl. Kit (Std — Yellow)	•	•	•	WAT270938
Head, GFP Plunger Seal Kit (Optional Black)	•	•	•	WAT271066
Head, Face Seals Replacement Kit, 4/pk	•	•	•	WAT270939
Wash Tubes Seals Replacement Kit, S/W	•	•	•	WAT270940
Seal Wash Face Seal Replacement Kit	•	•	•	WAT271017
Seal Wash Plunger Seal, Replacement Kit	•	•	•	WAT271018
Check Valve Cartridge Replacement Kit (2 cart.)	•	•	•	WAT270941
PerformancePLUS Check Valve Cartridge	•	•	•	700002399
Check Valve Cartridge	•	•	•	700002761
Ceramic Check Valve	•	•	•	700002333
PerformancePLUS Check Valve Housing	•	•	•	700002332
In-line Filter	•	•	•	WAT035190
Filter Insert	•	•	•	WAT088084
Assembly, GPV	•	•	•	WAT270927
Nut, Head	•	•	•	WAT270964
Degasser Chamber	•	•	•	700001218
25 µL Syringe	•	•	•	WAT077343
250 µL Syringe	•	•	•	WAT073109
500 µL Syringe	•	•	•	700000565

Description	2690/D 2695/D	2790 2795	2796	Part No.
1000 µL Syringe	•	•	•	700000611
2500 µL Syringe	•	•	•	WAT077342
PerformancePLUS Needle	•	•	•	700001247
HPMV Rebuild Kit	•	•	•	WAT045424
HPMV and Seal Tool Kit	•	•	•	WAT045427
Assembly, Seal Pack Replacement Kit with Needle	•	•	•	700002791
Seal Pack Rebuild Kit with Needle	•	•	•	WAT271019
Kit, Carousel Set, 5/pk	•	•	•	WAT270328
Inject Port	•	•	•	700000383
Seat, Inject Port	•	•	•	700000384
Seal, Inject Port Washer	•	•	•	700000385
2790 Needle	•	•	•	700000389
Syringe, 100 µL	•	•	•	700000564
Solvent Bottle Caps, 4 L, 4/pk	•	•	•	WAT062341
Bottle Caps, 1 L, 4/pk	•	•	•	WAT062479
Sample Loop, 5 µL, PEEK	•	•	•	430000781
Sample Loop, 50 µL, PEEK	•	•	•	430000762
Sample Loop, 20 µL, PEEK	•	•	•	430000782
Sample Loop, 100 µL, PEEK	•	•	•	430000783
Sample Loop, 500 µL, PEEK	•	•	•	430000784
Sample Loop, 2 mL, PEEK	•	•	•	430000785

HPLC PUMPS

515 HPLC Pump



515 Performance Maintenance Kit



Clear-100 Plunger Seals, 4/pk



Description

515 HPLC Pump Performance Maintenance Kit
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters

Part No.

[WAT052587](#)

1515 Series HPLC Pump



1515 Performance Maintenance Kit



Solvent Filter



Clear-100 Plunger Seals, 4/pk



Description

1515 Series HPLC Pump Performance Maintenance Kit
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters

Part No.

[201000113](#)

1525 Series HPLC Pump



1525 Performance Maintenance Kit



Solvent Filter



Clear-100™ Plunger Seals, 4/pk



Description

1525 Series HPLC Pumps Performance Maintenance Kit
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters

Part No.

[201000114](#)

Parts and Accessories

1525 to 1525 Extended Flow Conversion Kit

[205000324](#)

1525 EF Performance Maintenance Kit

[201000160](#)

1525 micro HPLC Pump



1525 micro Performance Maintenance Kit



Description	Part No.
1525 micro HPLC Pump Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000161

Common Parts for HPLC Pumps

Description	515	1515 1525	1525 micro	Extended Flow	Part No.
1525 micro Seal Kit			•		205000202
Active Seal Wash Kit 1525		•			205000251
Active Seal Wash Kit 1525 EF				•	205000252
Active Seal Wash Kit 1525 micro			•		205000250
AQ Seal Repl., 2/pk	•	•			WAT025296
AQ Seal Repl., 4/pk	•	•			WAT025297
Plunger Seal UP30, 1/pk				•	700002282
Plunger Seal, TAN (Rulon)	•	•			WAT025384
Seal, Clear-100	•	•			WAT022934
Seal, Clear-100, 4/pk	•	•			WAT022946
Seal, Kit Black, Replace	•	•			WAT026613
Seals, Aqueous, Buffer, 2/pk	•	•			WAT025296
Seals, Aqueous, Buffer, 4/pk	•	•			WAT025297
1525, Check Valve, 2/pk			•		700002275
B and S Check Valve Kit				•	WAT088223
Extended Flow Update Kit	•			•	WAT207119
Inlet Check Valve				•	WAT032646
Inlet Check Valve Housing				•	WAT060308
Outlet Check Valve				•	WAT025028

Description	515	1515 1525	1525 micro	Extended Flow	Part No.
Outlet Check Valve				•	WAT025216
Outlet Check Valve Housing				•	WAT025207
Outlet Check Valve Rebuild Kit				•	WAT026014
PerformancePLUS Cartridge with Housing, 2/pk	•	•	•		700000253
PerformancePLUS Ceramic Check Valve Cartridge	•	•	•		700002399
PerformancePLUS Check Valve Cartridge	•	•	•		700000254
Plunger Wash Kit (225 µL)				•	WAT030852
Assembly, Plunger	•	•			WAS207069
Oriented Plunger, 510	•	•			WAT069511
Plunger				•	WAT060304
Retaining Ring	•	•	•	•	WAT025360
Assembly, Solvent Filter	•	•	•	•	WAT025531
Reference Valve 600/510	•	•		•	WAT026592
Kit Reference Valve Rebuild Pump	•	•	•	•	WAT025746
Syringe, 10 mL Safety	•	•	•	•	WAT027629
Priming Syringe Needle	•	•	•	•	WAT025559
Head Support Bushing	•	•	•	•	WAT060305
Ind. Rod Kit	•	•	•	•	WAT069583

GRADIENT MODULES

2545/2525 Binary Gradient Module

2545/2525 Performance Maintenance Kit



Description	Part No.
2545/2525 Binary Gradient Module Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000130

2545 Quaternary Gradient Module

2545Q Performance Maintenance Kit



Description	Part No.
2545Q Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000199

2535 Quaternary Gradient Module

2535 Performance Maintenance Kit



Description	Part No.
2535 QGM Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000209

2555 Quaternary Gradient Module

2555 Performance Maintenance Kit



Description	Part No.
2555 QGM Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	201000210

Common Parts for Gradient Modules

Description	2545 2525	2535	2555	2545	Part No.
Assembly, Leak Sensor		•	•	•	205000505
Plate, Head Support			•		405006414
Pump Head .395			•		405008440
Plunger C-Clip		•		•	410000570
Tubing, Mixer to Vent Valve		•	•	•	430002032
Assembly Tube, Right Transducer Outlet		•	•	•	430002121
Check Valve Cartridge Kit, 4/pk	•				700001493
Plunger Seal Kit, 4/pk	•				700001494
Assembly, Cartridge Housing Outlet		•	•	•	700001530
Assembly Housing, Inlet Check Valve		•	•	•	700001529
Outlet Pump Filter Assembly			•		700001836
Block, Stop Valve Positioning		•	•	•	700004425
Drip Tray, Leak Sensor, 2545Q, LS Ready		•	•	•	700004430

Description	2545 2525	2535	2555	2545	Part No.
Inlet Manifold Block		•	•	•	700004431
Bracket Mixer Inlet, Manifold Z		•	•		700004439
Assembly, Mixer, 2545Q				•	700004436
Manifold Outlet Check Valve, 25 x 5, 2545Q		•	•	•	700004445
Pump Head Assembly .280 I.D. CV Back		•		•	700004454
Assembly, Tube 1/4 Solvent Inlet (from Solvent Bottle)			•	•	700004607
Assembly Pump Head Support Plate		•		•	700004613
Solvent Filters, 4/pk		•			700005083
Assembly Mixer			•		700005084
Helium Connection Kit		•	•	•	WAT023486
Assembly, Solvent Filters (Sparge)		•	•	•	WAT025531
Manifold Tee 2555Q			•		WAT070122

FLUID HANDLING UNITS

600E Fluid Handling Unit



600E Performance Maintenance Kit



Clear-100 Plunger Seals, 4/pk



Description	Part No.
600E Fluid Handling Unit Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	WAT052675

626 LC Fluid Handling Unit



626 LC Performance Maintenance Kit



Description	Part No.
626 LC Fluid Handling Unit Performance Maintenance Kit PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	WAT052673

Common Parts for HPLC Pumps

Common Parts for HPLC Pumps	Extended Flow	600	626	Part No.
AQ Seal Repl., 2/pk		•		WAT025296
AQ Seal Repl., 4/pk		•		WAT025297
Plunger	•			WAT060304
Plunger Seal	•			700002282
Plunger and Wash Seal Kit (2) 626			•	WAT031790
Plunger Seal, Tan (Rulon)		•		WAT025384
Seal, Clear-100		•		WAT022934
Seal, Clear-100, 4/pk		•		WAT022946
Seal, Kit Black, Replace		•		WAT026613
Seals Aqueous, Buffer, 2/pk		•		WAT025296
Seals, Aqueous, Buffer, 4/pk		•		WAT025297
B and S Check Valve Kit		•		WAT088223
Check Valve Cartridge			•	WAT024120
Extended Flow Update Kit	•	•		WAT094003
Inlet Check Valve Assembly		•		WAT033679
Inlet Check Valve Assembly	•			WAT060307
Inlet Check Valve Housing			•	WAT030541
Inlet Housing		•		WAT025203
Inlet Rebuild Kit		•		WAT060495
Outlet Check Valve		•		WAT025028
Outlet Check Valve Assembly	•	•		WAT025216
Outlet Check Valve Housing		•		WAT025207

Common Parts for HPLC Pumps	Extension Flow	600	626	Part No.
Outlet Check Valve Housing			•	WAT030543
Outlet Check Valve Rebuild Kit		•		WAT026014
PerformancePLUS Cartridge with Housing, 2/pk		•		700000253
PerformancePLUS Ceramic Check Valve Cartridge		•		700002399
PerformancePLUS Check Valve Cartridge		•		700000254
Assembly, Plunger Sapphire 1/8		•		WAT025656
Oriented Plunger, 510		•		WAT069511
Plunger with Indicator Rod			•	WAT031788
Retaining Ring		•		WAT025360
Assembly, Solvent Filter		•		WAT025531
Assembly Difusser		•		WAT007272
Reference Valve 600/510		•		WAT026592
Kit Ref. Valve Rebuild Pump		•		WAT025746
Syringe, 10 mL Safety		•		WAT027629
Priming Syringe Needle		•		WAT025559
Head Support Bushing	•	•		WAT060305
Ind. Rod Kit	•	•		WAT069583
Fuse, 4A, 125 V, 5/pk		•		WAT055631
Fuse, 5A			•	WAT163-18
Fuse, 0.5A, 5/pk		•	•	WAT022628
Fuse, 1.5A, 250 V, 5/pk		•	•	WAT055632
Fuse, 1.25A, 250 V, 5/pk		•	•	WAT055633
Fuse, 0.8A Slo-Blo, 5/pk		•	•	WAT055629
Fuse, 0.25A Slo-Blo for Wash Pump, 5/pk		•	•	WAT042200

PrepLC 2000 Pump



PrepLC 2000 Performance Maintenance Kit



Description	Part No.
PrepLC 2000 Pump Performance Maintenance Kit	WAT052671
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
Fuse, 4A Slo-Blo	WAS037497
Fuse, 1A, 250 V	WAT022615
Fuse, 3A, 250 V	WAT022626
Fuse, 0.5A	WAT022628
Plunger Seal	WAT052119
Outlet Check Valve	WAT052220
Inlet Check Valve	WAT052230
Fuse, 4A	WAT071406
Fuse, 2.5A	WAT072919

Reagent Manager



Description	Part No.
Reagent Manager Performance Maintenance Kit	201000102
PM Kit Consists of: Plungers, Check Valves, Seals, and Filters	
Parts and Accessories	
EZ Grip Nut, 3/pk	700000146
EZ Grip Ferrule, 3/pk	700000145

Tools

Description	Part No.
Capillary Tubing Cutter	605000101
PEEK Tubing Cutter	700001012
Collet and Compression Screw Multi-tool	700003170
3/16 in. Open End Wrench	700000610
Plunger Insertion Tool	WAT011042
Snap Ring Pliers	WAT025263
Tubing Cutter for 1/16 in. Stainless Steel Tubing	WAT022384
Tubing Cutter, Spare Blades, 3/pk	WAT022385
Hex Key for 2465 Flow Cell Assembly	700001985

INJECTORS/FRACTION COLLECTORS

717plus AutoSampler



Description	Part No.
717plus AutoSampler Performance Maintenance Kit	WAT052669
PM Kit Consists of: Syringe (250 µL), Needle, and Filter	
Parts and Accessories	
HP Valve Rebuild Kit	WAT045424
Syringe, 25 µL	WAT077343
Syringe, 250 µL	WAT073109
Syringe, 2500 µL	WAT077342
48-vial Carousel	WAT078723
96-vial Carousel	WAT078727

2707 AutoSampler



2707 Performance Maintenance Kit



Description	Part No.
2707 Performance Maintenance Kit	201000196
PM Kit Consists of: Syringe (500 µL), Needle, and Rotor Seal	
Parts and Accessories	
Stainless Steel Sample Loop, 20 µL	700000680
Stainless Steel Sample Loop, 5 µL	700000683
Bio-compatible Sample Loop, 100 µL	700000684
Stainless Steel Sample Loop, 100 µL	700000685
Wash Bottle, Glass, 250 mL	700004063
Stainless Steel Sample Loop, 10 µL	700003872
Air Needles, 50 mm, Yellow	700003921
Air Needles, 56 mm, Red	700003922
Air Needles, 68 mm, Blue	700003923
Air Needles, 74 mm, Green	700003924
Air Needles, 80 mm, Black	700003925
Stainless Steel Sample Loop, 50 µL	700003928
Preparative Sample Loop	700004086
Bio-compatible Sample Loop, 10 µL	700004088
Bio-compatible Sample Loop, 20 µL	700004089
Bio-compatible Sample Loop, 50 µL	700004090
Syringe, 500 µL	700000862
Needle Assy, Std	700003842
Needle Assy, Bio	700003843
Rotor Seal	700003851
Stator	700003852
Bottle, Wash Solvent, 250 mL, Glass	700004063
Vial Holder Tray, 12 pos. 10 mL	700004082
Needle Assy, 60 µL, Prep	700004085

2777/2777C Sample Manager

2777 Sample Manager



2777C Sample Manager

Description	Part No.
2777/2777C Sample Manager Performance Maintenance Kit	201000162
PM Kit Consists of: Tension Cord, and Lubrication Kit	
Rotors List Associated with the Valco® Valves:	
Rotor 10 Port 2 Pos 0.4 mm ChemInert Valve	700001230
Rotor 6 Port 2 Pos 0.4 mm LC Injection Valve	700002210
Rotor 6 Port 2 Pos 0.4 mm ChemInert	700002292
Rotor 6 Port 2 Pos 0.25 mm ChemInert	700002293
Rotor 10 Port 2 Pos 0.4 mm LC Injection Valve	700002297
Rotor 4 Port 2 Pos 0.5 µL Internal loop LC Injection Valve	700002298
Rotor 6 Port 2 Pos 0.75 mm ChemInert	700002439

Note: These rotors are not included in the PM Kit; must be ordered separately based on the type of Valve.

2747 AutoSampler



2747 Performance
Maintenance Kit



Description	Part No.
2747 AutoSampler Performance Maintenance Kit PM Kit Consists of: Syringe 1 mL, Probe, and Lubrication Kit	201000132

2767 Sample Manager



2767 Performance
Maintenance Kit



Description	Part No.
2767 AutoSampler Performance Maintenance Kit PM Kit Consists of: Probe, Injector Port, and Rotors	201000195
Syringes to Complement the 2767 AutoSampler Performance Maintenance Kit	
10 mL Reagent Syringe	700000471
500 µL Reagent Syringe	WAT272080
1.0 mL Reagent Syringe	WAT272617
2.5 mL Reagent Syringe	WAT272620
5.0 mL Reagent Syringe	WAT272623

2757 Sample Manager/Fraction Collector



Description	Part No.
96-well Microtiter Plate Holder Kit	205000105
4 mL Vial Holder Plate Kit	205000106
2 mL Vial Holder Plate Kit	205000107
13 mm Tube Holder Kit	205000108
Open Access 2 mL Vial Holder Kit	205000109
Open Access 4 mL Vial Holder Kit	205000112
Fraction Collector 18 mm Rack Kit	205000115
Fraction Collector 13 mm Rack Kit	205000116
Fraction Collector 16 mm Rack Kit	205000117
Fraction Collector 25 mm Rack Kit	205000118
Fraction Collector 28 mm Rack Kit	205000119
Deepwell Plate Fraction Collector Rack Kit	205000134

Increase Waters LC and MS System Performance with Cost-Effective Upgrades

Expand the analytical capabilities of your current LC, UPLC, or MS system with a cost-effective upgrade. For more information about Waters' wide range of instrument field upgrades and accessories, please contact our Waters Service Engineer



Waters Fraction Collector III



Description	Part No.
Tabletop Rack (for use with prep funnel rack)	289000440
Prep Funnel (32 position, 2 each set)	725000106
Prep Funnel Rack (holds up to 4 prep funnels)	725000107
4-Microtiter Plate Rack	725000110
Multi-purpose Rack	725000113
Carousel Rack (2 x 2690 Carousels)	725000144
Eppendorf® Tube Collection Rack	725000145
17 mm OD Vial Collection Rack	725000146
28 mm OD Vial Collection Rack	725000147
Standard Test Tube Rack, 120 positions	725000152
Tygon Tubing, 6.35 mm I.D. x 9.52 mm OD x 5 m, 2/pk (use with prep funnel rack)	WAT037047
Teflon Tubing 8 mm I.D. x 50 ft. (for use with prep funnel rack)	WAT037090

Manual Injectors

7725 Analytical Injector Performance Maintenance Kit



Description	Part No.
3725 High Pressure Manual Valve Performance Maintenance Kit	201000116
7010 Analytical Injector Performance Maintenance Kit	201000117
7125 Sample Injector Performance Maintenance Kit	201000118
7725 Analytical Injector Performance Maintenance Kit	201000119
8125 Micro-scale Injector Performance Maintenance Kit	201000120
9125 PEEK Valve Performance Maintenance Kit	201000121
7750E Stainless Steel Switching Platform Performance Maintenance Kit	201000122
7750E-075 Motorized Sample Injector Performance Maintenance Kit	201000125

Waters Quality Parts and Performance Maintenance Kits

Waters Quality Parts and Performance Maintenance Kits are designed and manufactured under stringent Waters Critical Clean™ processes and the same strict regulatory standards (ISO-9001 and cGMP) as your high-performance Waters systems to ensure:

- ☒ Continued system compliance
- ☒ Maximum lifetime and reliability of both the spare part and your instrument
- ☒ Contamination free environment
- ☒ Accurate and reproducible results



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DETECTORS

2487 Dual-Wavelength Absorbance Detector



2487 Performance Maintenance Kit



Description	Part No.
2487 Absorbance Detector Performance Maintenance Kit	WAS081142
PM Kit Consists of: PerformancePLUS Deuterium Lamp	
Parts and Accessories	
Fuse, Lamp Power Supply, 2A micro (F1 and F2 on CPU)	WAS290423
Flow Cell Rebuild Kit, 10 mm	WAS081346
2487 Microbore Taper Slit Flow Cell	WAT081159
2487 High Pressure Taper Slit Flow Cell	WAT081321
2487 Semi-prep Taper Slit Flow Cell	WAT081158
2487 Inert Taper Slit Flow Cell	WAT081157
2487 AutoPurification Flow Cell	289000614
2487 Variable Path Length Flow Cell	700000923

2489 UV/Visible Dual-Wavelength Absorbance Detector



2489 Performance Maintenance Kit



Description	Part No.
ACQUITY PDA/TUV 2489/2998 Performance Maintenance Kit	201000281
PM Kit Consists of: PerformancePLUS Deuterium Lamp	
Parts and Accessories	
Autopure Flow Cell	289000614
Analytical Flow Cell	WAS081140
Inert Taper Slit Flow Cell	WAT081157
Semi-prep Flow Cell	WAT081158
Microbore Flow Cell	WAT081159
High Pressure Flow Cell	WAT081321
MS Flow Cell Rebuild Kit	700000168
10 mm Flow Cell Rebuild Kit	WAS081346
3 mm Flow Cell Rebuild Kit	WAS081347
I/O Connector, 10 Pin	323000247
Assembly, Cable, Ethernet, 10 ft. Straight Through	441000372
Ethernet 10 ft. Crossover Cable	700003423
MS Gasket Kit, 10/pk	700000169
Cuvette Holder Assembly	WAS081333
Gasket Kit, 10/pk	WAS081348
10 mm Cell, Linearity Solutions	WAT042881
Wavelength Accuracy Solutions	WAT042885
PQ Test Mix for Absorbance Detector	WAT042887
Two Cuvette Kit (empty)	700004155
Fuse, 3.25A, 250 V 5 x 20 mm, Fast-acting, 5/pk	700001800
Analog Out Cable Assembly	WAT057235
Power Cord, 110 V	WAT097194

2996 Photodiode Array Detector (PDA)



2996 Performance
Maintenance Kit



Description	Part No.
2996 Photodiode Array Detector Performance Maintenance Kit	WAT052586
PM Kit Consists of: PerformancePLUS Deuterium Lamp	
Parts and Accessories	
Fuse, 4A	WAT057337
Analytical High Pressure Flow Cell Assembly, 10 mm	WAT057460
Analytical Flow Cell Assembly, 10 mm	WAT057919
Inert Titanium Flow Cell Assembly, 10 mm	WAT057461
Microbore Flow Cell Assembly, 3 mm	WAT057462
Semi-prep Flow Cell Assembly, 3 mm	WAT057463
100 μ m Aperture (Slit) Assembly	WAT057921
150 μ m Aperture (Slit) Assembly	WAT057922
50 μ m Aperture (Slit) Assembly	WAT057920

2414 Refractive Index Detector



Description	Part No.
2414 Valve Upgrade Kit	700002670
Sample Inlet Tubing Assembly	700001710
Compression Screws and Ferrules Kit, 5/pk	WAT025604
Stainless Steel Tubing, 0.062 in x .040 in I.D. x 10 ft.	WAT026805
Stainless Steel Tubing, 0.062 in x .009 in I.D. x 10 ft.	WAT026973
Analog Signal Cable	WAT057235
IEEE-488 Cable 6 ft. (2 meter)	WAT087141
Power Cord, 110 V	WAT097194
I/O Connector Plug, 12 Pin	WAT270868

2998 Photodiode Array Detector (PDA)



2998 Performance
Maintenance Kit



Description	Part No.
ACQUITY PDA/TUV 2489/2998 Performance Maintenance Kit	201000281
Parts and Accessories	
2998 Analytical Flow Cell Kit	205000399
2998 Microbore Flow Cell Kit	205000400
2998 Semi-prep Flow Cell Kit	205000401
2998 AutoPurification Flow Cell Kit	205000402
Fuse, 3.15A, 250 V, 5 x 20 mm Fast Acting, 2/pk	700001800
Connector Plug, 10-Position	323000247
Connector Shell Cover	323000446
Ethernet Patch Cord, Shielded, 10 ft.	441000372
Event Cable, 6 ft.	441000373
Crossover Cable, 5E, 10 ft., Ethernet	700003423
Tubing, 3/8 in O.D. x 1/4 in I.D., Tygon	700001796
Cable, Assembly, Shield, Analog Output Signal Cable	WAT057235
PEEK Compression Fitting	WAT021815
Knob, Compression Fitting	WAT021816
Convuluted Tubing	430001556

2424/2420 Evaporative Light Scattering (ELS) Detector



2424/2420 Performance
Maintenance Kit



Description	Part No.
2424/2420 ELS Detector Performance Maintenance Kit	201000159
PM Kit Consists of: PerformancePLUS Lamp Cartridge Assembly	
Parts and Accessories	
Drip Tray	415000415
Vapor Trap (10 mm O.D. Bottle Trap)	700000574

2465 Electrochemical Detector



Description	Part No.
Flow Cell Kit: 0.7 mm GC Working Electrode, Salt Bridge Reference Electrode	205004100
Flow Cell Kit: 2 mm GC Working Electrode, Salt Bridge Reference Electrode	205004115
Flow Cell Kit: 2 mm GC Working Electrode, ISAAC Reference Electrode	205004215
Flow Cell Kit: 3 mm Pt Working Electrode, ISAAC Reference Electrode	205004220
Flow Cell Kit: 3 mm AU Working Electrode, "HyREF" Reference Electrode	205004325
Flow Cell Kit: 3 mm Ag Working Electrode, "HyREF" Reference Electrode	205004330
Fuse, 5 x 20, 2.5A, T 250 V	700001004
RS-232 Cable	700001942
Dummy Flow Cell	700001943
External I/O Cable	700001948
ISAAC Solution, 10 mL	700001949
Fingertight Flow Cell Fitting	700001950
Spacer, 120 µm	700001951
Spacer, 25 µm	700001952
Spacer, 50 µm	700001953
Polishing Disk, Work Electrode	700001954
Diamond Slurry, 1 µm, 10 mL	700001955
Swivel, 2465 Salt Bridge Reference Electrode	700001956
Body, 2465 Salt Bridge Reference Electrode	700001957
Salt Bridge Ag/AgCl Reference Electrode	700001958
KCl Solution for Salt Bridge Ref (50 mL)	700001959
Working Electrode Block, 2 mm GC	700001960
Working Electrode Block, 3 mm, Platinum	700001961
Working Electrode Block, 3 mm, Gold	700001962
Working Electrode Block, 2 mm, Silver	700001963
Salt Bridge Inlet Block	700001964
HyREF Inlet Block	700001965
Cell Cable	700001968
2465 Integrator Cable	700001994
2465 ISAAC Inlet Block	700002003
Polishing Disk, Reference Electrode	700002069
Capillary Connection Kit, for Micro Cell	700002103

2475 Multi-Wavelength Fluorescence Detector



2475 Performance Maintenance Kit



Description	Part No.
2475 Multi-wavelength Fluorescence Detector PM Kit Consists of: Xenon Lamp Assembly	201000131
Parts and Accessories	
Fuse, 4A SMD with Holder, 2/pk	700001840
Flow Cell	700001618

432 Conductivity Detector



Description	Part No.
Compression Screws and Ferrules, 5/pk	WAT025604
432 Flow Cell	WAT043069
Power Cord, 110 V	WAT097194
Union	WAT097332
Power Cord, 220 V	WAT097410

QUADRUPOLE TIME-OF-FLIGHT MASS SPECTROMETERS



SYNAPT G2-S and SYNAPT G2-Si

Description		Part No.
SYNAPT G2-S/G2-Si LockSpray™ (Rotary) Performance Maintenance Kit	PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	201000254
SYNAPT G2-S/G2-Si LockSpray (Scroll) Performance Maintenance Kit		201000255
SYNAPT G2-S/G2-Si NanoLockSpray™ (Rotary) Performance Maintenance Kit		201000256
SSynapt G2-S/G2-Si NanoLockSpray (Scroll) Performance Maintenance Kit		201000257
Parts and Accessories		
Outer APPI Source Service Kit		700004730
APCI Probe Service Kit		700004673
APGC Service Kit		700004842
ETD Service Kit		700005276
MALDI Service Kit		700005275



SYNAPT G2

Description		Part No.
SYNAPT G2 LockSpray Performance Maintenance Kit	PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	201000229
SYNAPT G2 NanoLockSpray Performance Maintenance Kit		201000230
Parts and Accessories		
Outer APPI Source Service Kit		700004730
APCI Probe Service Kit		700004673
APGC Service Kit		700004842
ETD Service Kit		700005276
MALDI Service Kit		700005275



SYNAPT MS/HDMS

Description	Part No.
SYNAPT MS/HDMS Performance Maintenance Kit	201000187
PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	



NEW Xevo G2-XS QToF and Xevo G2-S QToF

Description		Part No.
Xevo G2-S LS (Rotary) Performance Maintenance Kit	PM Kit consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	201000276
Xevo G2-S LS (Scroll) Performance Maintenance Kit		201000277
Xevo G2-S NLS (Rotary) Performance Maintenance Kit		201000278
Xevo G2-S NLS (Scroll) Performance Maintenance Kit		201000279
Parts and Accessories		
Xevo G2-S ASAP Accessory		176002472
Outer APPI Source Service Kit		700004730
APCI Probe Service Kit		700004673
APGC Service Kit		700004842



Xevo G2 QToF

Description	Part No.	
Xevo G2 QToF LS (Rotary) Performance Maintenance Kit	201000238	
Xevo G2 QToF LS (Scroll) Performance Maintenance Kit	PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	201000239
Xevo G2 QToF NLS (Rotary) Performance Maintenance Kit		201000240
Xevo G2 QToF NLS (Scroll) Performance Maintenance Kit		201000241
Parts and Accessories		
Xevo G2 QToF ASAP Accessory	176002472	
Outer APPI Source Service Kit	700004730	
APCI Probe Service Kit	700004673	
APGC Service Kit	700004842	



Xevo QToF

Description	Part No.	
Xevo QToF LS (Rotary) Performance Maintenance Kit	PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components	201000203
Xevo QToF LS (Scroll) Performance Maintenance Kit		201000204
Xevo QToF NLS (Rotary) Performance Maintenance Kit		201000205
Xevo QToF NLS (Scroll) Performance Maintenance Kit		201000206
Parts and Accessories		
Outer APPI Source Service Kit		700004730
APCI Probe Service Kit		700004673
APGC Service Kit		700004842



Q-ToF Premier

Description	Part No.
Q-ToF Premier Performance Maintenance Kit	PM Kit Consists of: Source Components, ESI and Reference Probe Components, and Vacuum Pump Components 201000187
Q-ToF Premier MALDI Performance Maintenance Kit	201000187

TANDEM QUADRUPOLE MASS SPECTROMETERS



Xevo TQ-S

Description		Part No.
Xevo TQ-S (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002745
Xevo TQ-S (Scroll) Performance Maintenance Kit with Chemical Kit		176002744
Parts and Accessories		
Xevo TQ-S ASAP Accessory		176002472
Outer APPI Source Service Kit		700004730
IonSABRE II Service Kit		700005744
APGC Service Kit		700004842



Xevo TQ

Description	Part No.
Xevo TQ (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components 176002058
Xevo TQ (Scroll) Performance Maintenance Kit with Chemical Kit	
Parts and Accessories	
APCI Probe Service Kit	700004673
Outer APPI Source Service Kit	700004730
APGC Service Kit	700004842



Xevo TQD

Description	Part No.	
Xevo TQD (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002780
Xevo TQD (Scroll) Performance Maintenance Kit with Chemical Kit		176002781
Parts and Accessories		
Xevo TQD ASAP Accessory		176002472
IonSABRE II Service Kit		700005744
Outer APPI Source Service Kit		700004730
APGC Service Kit		700004842



TQ Detector (TQD)

Description		Part No.
TQD (Rotary)Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002064
TQD (Oil Free)Performance Maintenance Kit with Chemical Kit		176002135
Parts and Accessories		
SQD/TQD ASAP Accessory		176002049



Quattro Premier/Premier XE

Description		Part No.
Quattro Premier (Rotary) Mass Spectrometer Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002053
Quattro Premier (Scroll) Mass Spectrometer Performance Maintenance Kit with Chemical Kit		176002054
Parts and Accessories		
IonSABRE APci Probe		M956335DC1
IonSABRE Spare Parts Kit		M956335DC2
MUX 4/5 Parts Kit		201000149
APCI Probe Parts Kit		700000338

Quattro micro GC



Description	Part No.
Quattro micro GC Mass Spectrometer Performance Maintenance Kit PM Kit Consists of: Source Components, and Vacuum Pump Components	201000170

Quattro micro



Description	Part No.
Quattro micro Mass Spectrometer Performance Maintenance Kit with Chemical Kit	176002050
PM Kit Consists of: Source Components, and Vacuum Pump Components	
Parts and Accessories	
MUX 4/5 Parts Kit	201000149

ATMOSPHERIC SOLIDS ANALYSIS PROBE (ASAP)

Increase Waters LC and MS System Performance with Cost-Effective Upgrades

Extend sample analysis capabilities and instrument utilization of selected Waters SYNAPT, Xevo, SQD, and TQD instruments by upgrading with the Atmospheric Solids Analysis Probe.

With the Atmospheric Solids Analysis Probe (ASAP) you can now perform rapid direct analyses of volatile and semi-volatile solid and liquid samples with Xevo TQ-S, Xevo TQ-S micro, SYNAPT G2-Si, Xevo G2 ToF/QToF, Xevo G2-S ToF/QToF, Xevo G2-XS ToF/QToF, Xevo TQD/SQ Detector 2, and SQD/TQD instruments, thereby improving your laboratory's flexibility and analytical capabilities.

ASAP enables new analyses to be carried out on your existing instrumentation, providing increased asset utilization and optimum productivity for only a small capital outlay.

The ASAP technique offers:

- High sensitivity analysis of low polarity or non-polar compounds unable to be ionized by ESI, APCI or APPI
- Direct analysis of complex mixtures — no need for sample preparation or chromatographic separation
- Good alternative to EI/CI solids probe analyses, without the need for a vacuum lock

Description	Part No.
SQD/TQD/3100 ASAP Accessory	176002049
SYNAPT G2-Si, Xevo G2 ToF/QToF, Xevo G2-S ToF/QToF, Xevo G2-XS ToF/QToF, and ASAP Accessory	176002472
Xevo TQD, Xevo TQ-S, Xevo TQ-S micro, SQD Detector 2 ASAP Accessory	176003243



SINGLE QUADRUPOLE MASS SPECTROMETERS



SQ Detector 2

Description	Part No.	
SQ Detector 2 (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002780
SQ Detector 2 (Scroll) Performance Maintenance Kit with Chemical Kit		176002781
Parts and Accessories		
Xevo TQD ASAP Accessory		176002472
IonSABRE II Service Kit		700005744
Outer APPI Source Service Kit		700004730
APGC Service Kit		700004842



SQ Mass Detector

Description	Part No.	
SQD (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002064
SQD (Oil-free) Performance Maintenance Kit with Chemical Kit		176002135
Parts and Accessories		
SQD/TQD/3100 ASAP Accessory		176002049



3100 Mass Detector

Description	Part No.	
3100 (Rotary) Performance Maintenance Kit with Chemical Kit	PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	176002064
3100 (Oil-free) Performance Maintenance Kit with Chemical Kit		176002135

EMD 1000



ZQ Mass Spectrometer



EMD 1000/ZQ

Description	Part No.
EMD 1000/ZQ Mass Spectrometer Performance Maintenance Kit with Chemical Kit	176002050
PM Kit Consists of: Source Components, ESI Probe Components, and Vacuum Pump Components	
Parts and Accessories	
APCI Probe Spare Parts Kit	700000338

TIME-OF-FLIGHT (ToF) MASS SPECTROMETERS



Xevo G2-S ToF

Description	Part No.
Xevo G2-S LS (Rotary) Performance Maintenance Kit	201000276
Xevo G2-S LS (Scroll) Performance Maintenance Kit	201000277
Xevo G2-S NLS (Rotary) Performance Maintenance Kit	201000278
Xevo G2-S NLS (Scroll) Performance Maintenance Kit	201000279
Parts and Accessories	
Xevo G2-S ASAP Accessory	176002472
Outer APPI Source Service Kit	700004730
APCI Probe Service Kit	700004673
APGC Service Kit	700004842



Xevo G2 ToF

Description	Part No.
Xevo G2 ToF LS (Rotary) Performance Maintenance Kit	201000238
Xevo G2 ToF LS (Scroll) Performance Maintenance Kit	201000239
Xevo G2 ToF NLS (Rotary) Performance Maintenance Kit	201000240
Xevo G2 ToF NLS (Scroll) Performance Maintenance Kit	201000241
Parts and Accessories	
Xevo G2 ToF ASAP Accessory	176002472
Outer APPI Source Service Kit	700004730
APCI Probe Service Kit	700004673
APGC Service Kit	700004842



LCT Premier/LCT Premier XE

Description	Part No.
LCT P/XE (Rotary) Performance Maintenance Kit with Chemical Kit	176002060
LCT P/XE (Scroll) Performance Maintenance Kit with Chemical Kit	176002061
Parts and Accessories	
IonSABRE APci Probe	M956513DC1-S
IonSABRE Spare Parts Kit	700003731
MUX 4/5 Parts Kit	201000149



MALDI micro MX

Description	Part No.
MALDI micro MX™ Mass Spectrometer Performance Maintenance Kit PM Kit Consists of: Source Components, and Vacuum Pump Components	201000178



GCT Premier

Description	Part No.
GCT Premier Mass Spectrometer Performance Maintenance Kit PM Kit Consists of: Source Components, and Vacuum Pump Components	201000188
Parts and Accessories	
Field Ionization/Field Desorption Source Performance Maintenance Kit for GCT Premier	201000189

MAGNETIC SECTOR MASS SPECTROMETER



AutoSpec/AutoSpec Premier

Description	Part No.
AutoSpec Premier Mass Spectrometer Base Performance Maintenance Kit (Rotary)	201000245
AutoSpec Premier Mass Spectrometer Base Performance Maintenance Kit (Scroll)	201000246
Parts and Accessories	
Electron Impact (EI) Source PM Kit for AutoSpec™	201000152
Chemical Ionization (CI) Source PM Kit for AutoSpec	201000151
Alternate CI/EI (ACE) Source PM Kit for AutoSpec	201000153
Field Desorption (FD) Source PM Kit for AutoSpec	201000155
LSIMS/CS Gun Source PM Kit for AutoSpec	201000150
Outer Source Service Kit	700005589
Lock, Probe and Valves Service Kit	700005590
GC Interface Service Kit	700005591

COLUMN AND CARTRIDGE FITTINGS AND ACCESSORIES

ACQUITY UPLC Column In-Line Filter Unit



Description	Part No.
In-line Filter Holder and Six 0.2 µm Stainless Steel Replacement Filters	205000343
Five 0.2 µm Stainless Steel Replacement Filters and End Nuts for 205000343	700002775

ACQUITY UPLC Column Replacement Parts



Description	Part No.
Three 0.2 µm Inlet/Outlet Frits for 2.1 mm I.D. UPLC Columns	700003776
Three 0.2 µm Inlet/Outlet Frits for 1.0 mm I.D. UPLC Columns	700003775
One Inlet End Nut for 2.1 mm I.D. UPLC Column	700003779
One Outlet End Nut for 2.1 mm I.D. UPLC Column	700003780

WATERS COLUMN AND CARTRIDGE REPLACEMENT PARTS

End Connector Kit (End-Fittings for Cartridge Columns)



Description	Part No.
End Connector Kit (contains 1 Pair of End-fittings, C-clips and Coupling)	WAT037525
Replacement O-ring, 2/pk	WAT023401
Replacement C-clip, 1/pk	WAT037560

Replacement Filter Assemblies for Columns



Column I.D.	Porosity	Part No.
1 mm	2 µm	600000175
2.1 mm	2 µm	600000177
2.1 mm	0.5 µm	600000178
3.0, 3.9, 4.6 mm	2 µm	600000179
3.0, 3.9, 4.6 mm	0.5 µm	600000180
7.8 mm	2 µm	600000181
7.8 mm	5 µm	600000182
19 mm	2 µm	600000183
30 mm	2 µm	600000184

Parker-Style Cartridge Fittings and Accessories

These end-fittings and accessories can be used with 4.6 mm, 4.0 mm, or 3.0 mm I.D. cartridges.



Description	Part No.
Removable Column End-fitting, 2/pk	PSS614100
Frit Assembly (2 µm), 5/pk	PSS614103
Frit Assembly (0.5 µm), 5/pk	PSS614104
Column Coupler, 2/pk	PSS614102
Extended End-fitting for use with 10 mm Integral Guard, 1/pk	PSS614108
Nylon Column Plugs for Storage of Complete Column, 1/pk	WAT015674
Nylon Column Caps for Storage of Replacement Cartridge Column, 10/pk	PSS614113
In-line 10 mm Guard Cartridge Holder Kit for use with above items	PSS830008

¹ 30 mm Stand Alone Guard/Column (end-fittings not included)

² Extended end-fitting for use with 10 mm Integral Guard: [PSS614108](#)

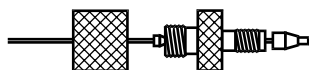
³ 10 mm Integral Guard Column

⁴ Column Coupler: [PSS614102](#)

SLIPFREE CONNECTORS

Generation HPLC Column Connector

Single SLIPFREE



Double SLIPFREE



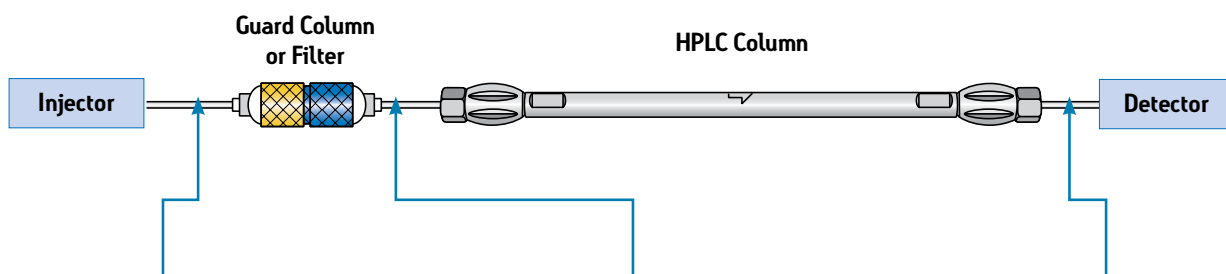
- Guarantees a void-free connection because it pushes the tubing into the end-fitting; this design must come installed on the tubing
- Fingertight to 10,000 psi — never need wrenches
- Readjusts to all column end-fittings; compatible with all commercially available end-fittings that we have tried
- Stainless steel tread for good stability and no particle generation
- Unique design separates tube holding function from sealing function

SLIPFREE Fittings	Part No.
Single SLIPFREE, 6 cm Long, 0.005 in. I.D.	PSL618000
Single SLIPFREE, 20 cm Long, 0.005 in. I.D.	PSL618004
Single SLIPFREE, 6 cm Long, 0.010 in. I.D.	PSL618006
Single SLIPFREE, 10 cm Long, 0.010 in. I.D.	PSL618008
Single SLIPFREE, 20 cm Long, 0.010 in. I.D.	PSL618010
Double SLIPFREE, 6 cm Long, 0.005 in. I.D.	PSL618001
Double SLIPFREE, 10 cm Long, 0.005 in. I.D.	PSL618003
Double SLIPFREE, 20 cm Long, 0.005 in. I.D.	PSL618005
Double SLIPFREE, 6 cm Long, 0.010 in. I.D.	PSL618007
Double SLIPFREE, 10 cm Long, 0.010 in. I.D.	PSL618009
Double SLIPFREE, 20 cm Long, 0.010 in. I.D.	PSL618011

0.010 in. I.D. is recommended for routine work.
0.005 in. I.D. is recommended for column connection to short 4.6 mm I.D. and for small-bore or microbore connections.
0.020 in. I.D. is recommended for prep or semi-prep connections, or for connections ahead of the injector.

How to Use a SLIPFREE Connector

Place a SLIPFREE™ connector at any location in the HPLC system where fittings must be frequently made or broke. Choose the single for installation to the injector or at any other fitting with conventional nuts and ferrules that would seldom need to be removed. Choose the double SLIPFREE connector for column coupling or places where both ends must be loosened frequently.



Single SLIPFREE (length as needed)

A single SLIPFREE Connector has the SLIPFREE design only on one end. This end should be placed where connections and disconnections are going to be made frequently, such as the end-fitting of a column or detector. In this example, the other end-fitting is seated into the injector using a stainless steel nut and ferrule that is compatible with the brand of injector.

Double SLIPFREE (60 mm length)

A double SLIPFREE Connector has a SLIPFREE design on both ends. It should be placed where both connections and disconnections are going to be made frequently, such as between a column and guard column. Very short (6 cm), small I.D. connectors are available to minimize extra dead-volume. Because SLIPFREE Connectors fit any column manufacturer's end-fitting, the two items being connected do not have to be from the same manufacturer.

Single SLIPFREE (length as needed)

A Single SLIPFREE Connector has the SLIPFREE design only on one end. This end should be placed where connections and disconnections are going to be made frequently, such as the end-fitting of a column or detector. In this example, the other end of the tubing is seated into the detector using a stainless steel nut and ferrule (one that is compatible with the brand of detector). If there is not a convenient way to attach it to the detector, a union can be used.

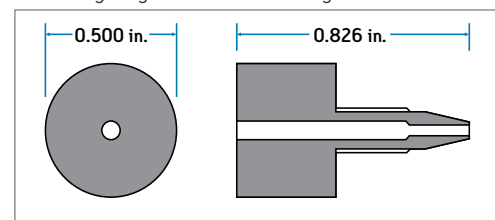
PEEK TUBING AND FITTINGS

PEEK One-Piece Fingertight Fitting, 1/16 in., 10–32 Thread

This high performance fingertight is recommended for the most demanding applications and will resist pressures up to 6,000 psi (420 Bar). The diameter of the head of the nuts has been increased to facilitate tightening without tools — it is still a genuine fingertight. Nut and ferrule are made from a single piece of PEEK.

Description	Part No.
PEEK Fingertight One-piece Fitting	PSL613315

PEEK Fingertight One-Piece Fitting

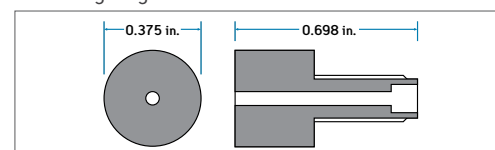


PEEK Two-Piece Fingertight Fittings, 1/16 in., 10–32 Thread

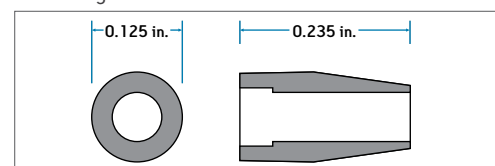
These fittings allow connections to be made by hand with a pressure rating of 4,000 psi (280 Bar). The inexpensive PEEK ferrules will last for at least 50 connections before it has to be replaced. The nuts may be reused again and again. The PEEK ferrule is highly chemically inert and may be used with any mobile phase. This fitting provides a budget alternative for HPLC plumbing — which will fit virtually all existing HPLC fittings including Swagelok, Parker, Rheodyne, Beckman, Valco, Waters, etc. — all having 10–32 female threads.

Description	Part No.
PEEK Fingertight Two-piece Nut	PSL613322
PEEK Single Ferrule	PSL613316

PEEK Fingertight Two-Piece Nut



PEEK Single Ferrule



PEEK Fittings with Double-Ferrules, 1/16 in., 10–32 Thread

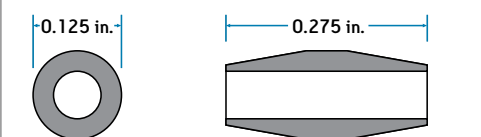
These fittings use a double-ferrule made of PEEK which grips the tubing in two places for unmatched reliability. These ferrules actually provide twice the holding power of single-ferrule fittings, and are ideal for use with PEEK and Tefzel tubing, which will often slip when used with single-ferrule fittings. When used with stainless steel or titanium tubing, double-ferrule fittings grip tighter for a more reliable connection at high pressure.

We offer both fingertight and hex-head nuts for use with double-ferrules. The fingertight version may be hand-tightened for operation at up to 6,000 psi. Use the hex-head version for connections that are difficult to reach or closely spaced.

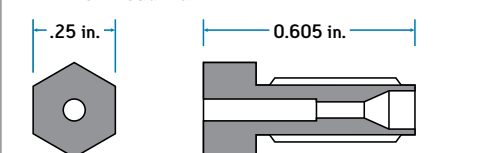
These fittings fit virtually any female 1/16 in. fitting — Parker, Swagelok, Waters, Valco, Rheodyne, Upchurch, etc — all having 10–32 threads.

Description	Part No.
PEEK Double-ferrule	PSL613302
PEEK Hex-head Nut	PSL613324
PEEK Fingertight Nut	PSL613301
Stainless Steel Fingertight Nut	PSL613325

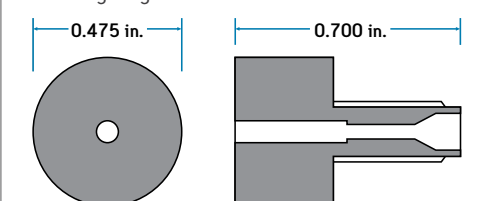
PEEK Double-Ferrule



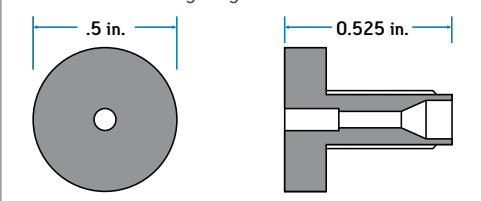
PEEK Hex-Head Nut



PEEK Fingertight Nut



Stainless Steel Fingertight Nut



PTFE/ETFE Tubing and Fittings

OD Inches (mm)	I.D. Inches (mm)	Length/Material	Part No.
0.125 (3.2)	0.062 (1.57)	25 ft. (7.6 m), PTFE	WAT026808
0.149 (3.8)	0.119 (30.0)	25 ft. (7.6 m), PTFE	WAT026809
0.250 (6.3)	0.190 (4.8)	10 ft. (3 m), PTFE	WAT026810
0.080 (2.0)	0.058 (1.5)	25 ft. (7.6 m), PTFE	WAT026974
0.178 (4.52)	0.148 (3.76)	25 ft. (7.6 m), PTFE	WAT051041
0.149 (3.8)	0.119 (30.0)	20 ft. (6 m), PTFE	WAT051052
0.125 (3.2)	0.020 (0.508)	10 ft. (3 m), PTFE	WAT088430
0.125 (3.2)	0.009 (0.228)	10 ft. (3 m), PTFE	WAT088431
0.125 (3.2)	0.040 (1.0)	10 ft. (3 m), PTFE	WAT088432
0.062 (1.57)	0.009 (0.228)	36 in. (1 m), ETFE	WAT088561
0.062 (1.57)	0.040 (1.0)	36 in. (1 m), PTFE	WAT088563
PTFE Adapter, 0.125 (3.2) to 0.065 (1.6) 5/pk			WAT005137

Stainless Steel Tubing and Fittings

OD Inches (mm)	I.D. Inches (mm)	Length/Material	Part No.
0.0625 (1.6)	0.005 (0.127)	10 ft. (3 m), SS	WAT241039
0.0625 (1.6)	0.020 (0.508)	10 ft. (3 m), SS	WAT026804
0.0625 (1.6)	0.030 (0.762)	10 ft. (3 m), SS	430000366
0.0625 (1.6)	0.040 (1.020)	10 ft. (3 m), SS	WAT026805
0.125 (3.2)	0.062 (1.57)	10 ft. (3 m), SS	WAT026806
0.125 (3.2)	0.093 (2.36)	10 ft. (3 m), SS	WAT026807
0.0625 (1.6)	0.009 (0.228)	10 ft. (3 m), SS	WAT026973
0.0625 in. OD Stainless Steel Tubing Cutter with 3 Blades			WAT022384
Replacement Blades for WAT022384 , 3/pk			WAT022385

PEEK Tubing and Fittings

OD Inches (mm)	I.D. Inches (mm)	Length/Material	Part No.
0.0625 (1.6)	0.005 (0.127)	5 ft. (1.5 m), PEEK	WAT022995
0.0625 (1.6)	0.010 (0.254)	5 ft. (1.5 m), PEEK	WAT022996
0.0625 (1.6)	0.015 (0.381)	5 ft. (1.5 m), PEEK	WAT022997
0.0625 (1.6)	0.020 (0.508)	5 ft. (1.5 m), PEEK	WAT022998
PEEK Tubing Cutter			WAT031795
PEEK Tubing and Fitting Kit			WAT022999
PEEK Union, 0.0625 in.			WAT026-04

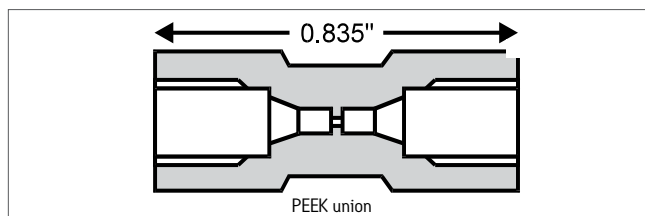
Compression Screws and Ferrules

Description	Part No.
Ferrule, 01, Stainless Steel, 10/pk	WAT005063
Compression Screw, 0.0625 in., 10/pk	WAT005070
Compression Fitting Plug, Stainless Steel, 5/pk	WAT005079
Rheodyne Ferrule, 10/pk	WAT007020
Ferrule, Stainless Steel	WAT022330
Ferrule, 1/16 in. OD, PEEK	WAT021817
Compression Screw, Stainless Steel	WAT025313
Compression Fitting Plug, Stainless Steel	WAT025566
Compression Screws and Ferrules, 0.166 in., 5/pk	WAT025604
Compression Screws, 0.125 in., PEEK, 2/pk	WAT046-12
Compression Screw, Long, 1/16 in.	WAT021812
Compression Screw, Short, PEEK 1/16 in.	WAT021815
Extra Long Compression Screw, Stainless Steel, 10/pk	WAT060051
Finger Tight Poly Knob Used with Compression Screws Plus PEEK Ferrules	WAT021816
Tee, 0.0625 in. Compression Screw, Stainless Steel	WAT075215
Tubing Cap, Hex Stainless Steel	WAT084078
Union, 0.0625 in. Stainless Steel	WAT097332

PEEK Unions, Tees, and Crosses

The PEEK union allows you to connect two pieces of 1/16 in. tubing quickly and reliably and can be used up to 6,000 psi. Because this is a PEEK union, it is absolutely inert and biocompatible. PEEK Tees and Crosses may be used up to 10,000 psi.

- Connects any 1/16 in. Tubing PEEK, SS, Ti, Tefzel)
- Low Dead Volume
- 10–32 Thread



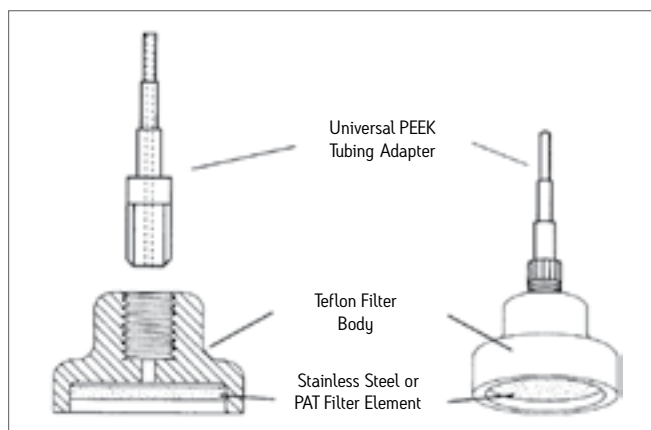
Description	Part No.
PEEK Union with 2 PEEK Fingertight Nuts and Double Ferrules 1/16 in.	PSL613312
PEEK Union without Nuts and Ferrules 1/16 in.	PSL613313
PEEK TEE with One-piece Fingertight Fitting	PSL613317
PEEK CROSS with One-piece Fingertight Fitting	PSL613319
PEEK TEE without Fittings	PSL613318
PEEK CROSS without Fittings	PSL613320
PEEK One Piece Fingertight Fitting	PSL613315

FILTERS

Last Drop Mobile Phase Filters

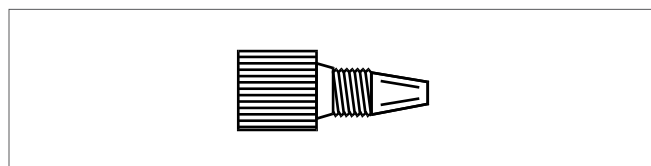
The Last Drop Mobile Phase Filter utilizes a flat filter element which sits parallel to the bottom of the reservoir. This design allows the filter to draw all but the last 2% of the mobile phase from the reservoir without drawing air into the system. Last Drop Filters are available with 316 L Stainless Steel or PAT (PEEK alloyed with Teflon) filter elements in inert Teflon housings. The top of the housing has a PEEK tripod which fits into 1.5, 2.2, or 3.5 mm I.D. pump inlet lines.

Description	Part No.
with 2 µm Stainless Steel Filter	PSL901290
with 10 µm Stainless Steel Filter	PSL901291
with 2 µm PAT Filter	PSL901292
with 5 µm PAT Filter	PSL901294



Handilok CTFE Fittings

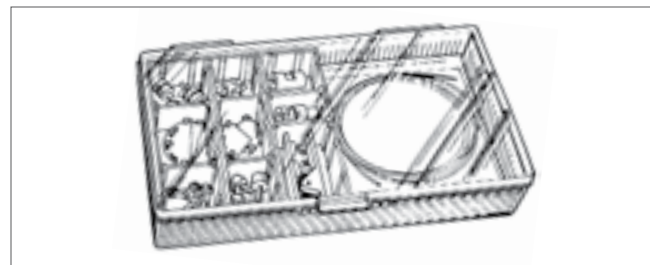
Handilok™ fittings can replace conventional compression fittings used with 1/16 in. tubing without the need for tools and are compatible with all internal fittings having a 10–32 thread. They meet rigid high pressure requirements and will stand pressures in excess of 4,000 psi.



Handilok Fittings	Qty.	Part No.
1/16 in. Fitting	1/pk	PSL618021
1/16 in. Fitting	10/pk	PSL618022

PEEK Starter Kit

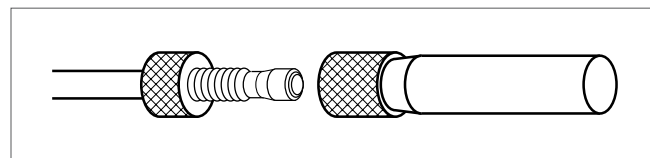
By replacing stainless steel parts, such as tubings, fittings, ferrules, mobile phase filters, in-line filters, etc. you are creating a biocompatible and metal-free environment for your samples and mobile phase. The PEEK Starter Kit is a collection of items which we believe is a good start for everybody working in the field of Biochromatography. Each kit is supplied in a sturdy plastic case. There is an approximate saving of 25% in buying this kit compared to the individual components.



Description	Part No.
PEEK Starter Kit	PSL613321
Contains the following:	
PEEK Fingertight One-piece, 6/pk	
PEEK Handtight Nut, 4/pk	
PEEK Hex-head Nut, 4/pk	
PEEK Double Ferrules, 20/pk	
PEEK Tubing 1/16 in. x 0.25 mm (1 x 3 m)	
PEEK Tubing 1/16 in. x 0.50 mm (1 x 3 m)	
PEEK Union, 1/pk	
Elbow 90 Degrees, 2/pk	
Elbow 180 Degrees, 2/pk	
Guillotine Cutter, 1/pk	
PAT Mobile Phase Filter — “Last Drop”, 1/pk	

PEEK Biocompatible Mobile Phase Filter

The mobile phase filter protects your HPLC pumping system against small particles in the mobile phase. Many macromolecules are fairly labile and require not only biocompatible chromatographs, but also mobile phase filters which are totally inert. These filters are designed from inert polymeric components, which effectively eliminate metal from the fluid path. With a porosity of 5 µm all fittings, including the inlet tube, are manufactured in totally inert PEEK.

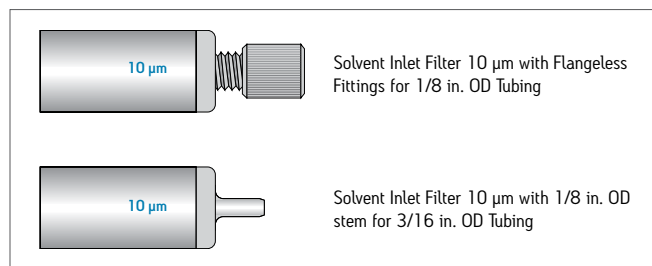


Description	Part No.
Biocompatible Mobile Phase Filter	PSL901282

Solvent Inlet Filters

It is good practice to always filter your solvents to prevent any pump damage. These 10 µm filters provide the pump protection required. Their large surface area means long life without pump cavitation.

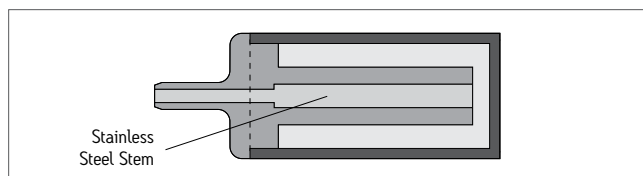
Filters should be changed periodically depending on usage and mobile phase. Replacing the filter is easy; no tools are needed. The unique Plastictight male nut is screwed into the filter and tightened by hand. Finger tightening is all that is necessary; the Plastictight fitting holds without flanging.



Description	Part No.
Solvent Inlet Filter Kits	
Assy, Solvent Filter	WAT025531
Plastictight Fitting with Teflon Tubing 1/16 in. I.D. x 1/8 in. OD x 3 ft.	PSL613602
Replacement Filter 10 µm, 5/pk	PSL613604
Solvent Inlet Filters for General Use	
Solvent Inlet Filter 10 µm with 1/16 in. OD stem for 1/8 in. OD Tubing	PSL613570
Solvent Inlet Filter 10 µm with Flangeless Fittings for 1/8 in. OD Tubing	PSL613578
Solvent Inlet Filters for Preparative HPLC	
Solvent Inlet Filter 10 µm with 1/16 in. OD Stem for 1/8 in. OD Tubing	PSL613607
Solvent Inlet Filter 10 µm with Flangeless Fittings for 1/8 in. OD Tubing	PSL613608
Solvent Inlet Filters for Waters HPLC Systems	
Solvent Inlet Filter 10 µm with 1/8 in. OD Stem for 3/16 in. OD Tubing	PSL613609

Bottom-of-the-Bottle Solvent Filters

This filter has been designed after the original Bottom-of-the-Bottle replaceable filters. This unique filter has a stainless steel stem on top to accommodate 1/16 in. I.D. tubings. The lower stem which goes directly into the 10 µm filter reaches to within 0.06 in. of the Bottom-of-the-Bottle filters. The Bottom-of-the-Bottle Solvent Filter has a 10 µm filter that can easily handle flow rates up to 10 mL/min.



Bottom-of-the-Bottle Solvent Filter	Part No.
Stainless Steel Filter Assembly	PSL613457

Did you know...

Onsite Training

Maximize learning at your location. Our existing training programs can be delivered “as is” or tailored to your specific laboratory challenges. By bringing a Waters Training Course to your site, not only will you select convenient dates to train your group, but you will also reduce or eliminate travel costs.

Benefits of Onsite Training:

- Perfect choice for laboratories that need to train groups of employees — from 5–500 or more
- Get a maximum number of employees trained in new skills or technology in a minimal amount of time for one flat fee
- Train your entire group of users in a familiar, confidential environment
- Create synergy to the learning experience as lectures, hand-on sessions stay relevant to your laboratory needs
- Eliminate your staff’s travel costs and minimize time away from the laboratory
- Leverage serious Waters brainpower — our certified instructors are not only experts; they’re talented teachers delivering maximum skills in the allotted time

