

2013 Alliance® HPLC System

Service Information



2013 Alliance HPLC Systems

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

Alliance® System 1996



Alliance System 2013



**HPLC Has Never
Looked Better**

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e2695 and e2695D

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Updates on e2695 & e2695D

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- Exterior
 - Blue Panels
 - New Keypad and Bezel
- Solvent Tubing
 - Routing from Bottles to GPV improved
- Solvent Bottle Trays
 - New offerings
- Firmware
 - 3.00
 - Same as current product
 - Same functionality and specifications



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Updates on Column Heater and CHC

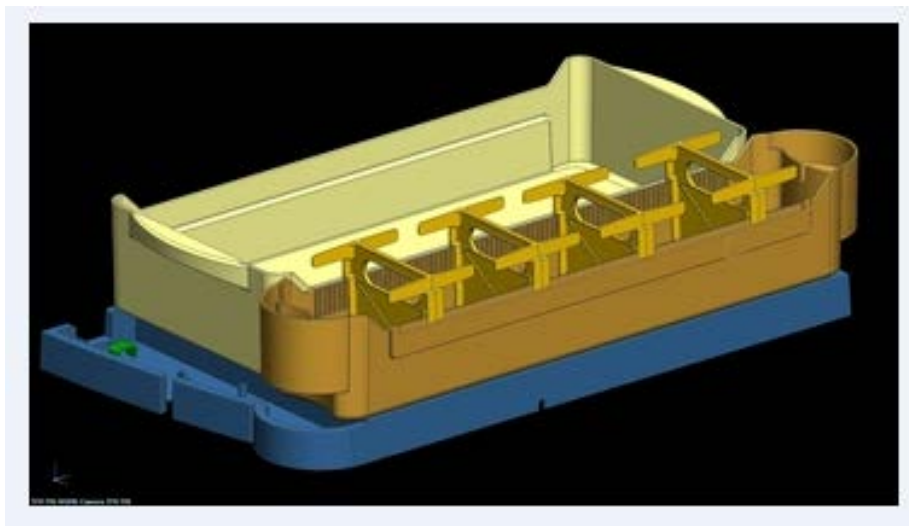
- Color
 - Blue
- Dimension change
 - Depth is extended to match e2695
- Stabilization
 - 4 tall rubber feet added
- Mounting
 - New technique, reverse spacer
- Internal Cabling
 - Longer to accommodate depth
- Spare Parts
 - Only PCB and H/C Engine are same



Configuration A Supported Solvent

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- Without Column Heater or CHC
- Bottle Tray 2 x 1
 - 205001139

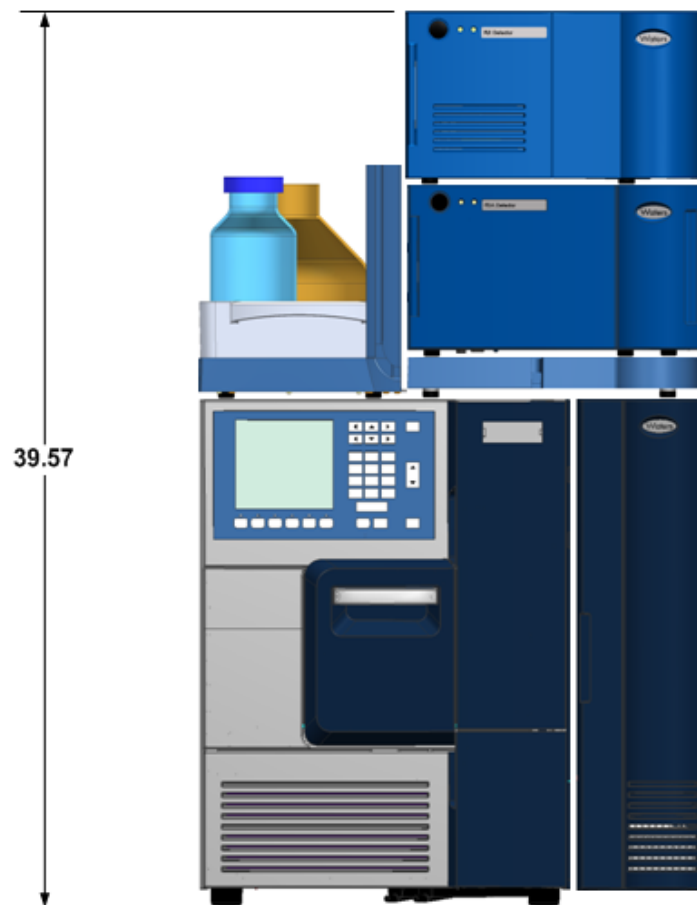


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Configuration B Supported Solvent Tray

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- With Column Heater or CHC
- Single or Dual Detector supported
- Solvent tray and Detector base
 - 205001019



"B" - SERIES
(Promoted)

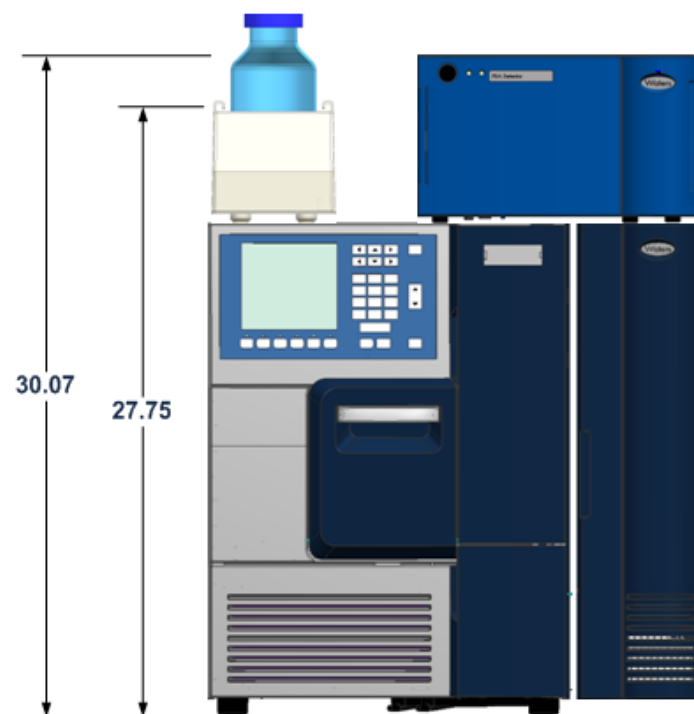
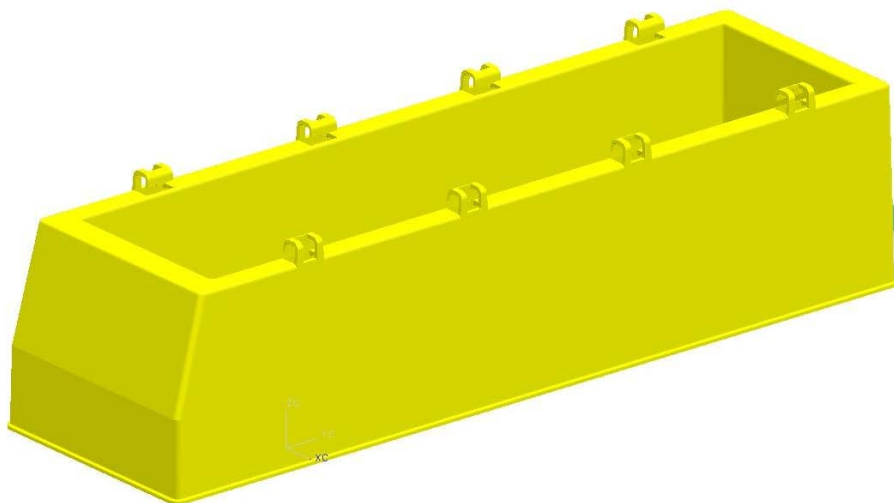
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Configuration C Supported Solvent Tray

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- With Column Heater or CHC
- Original Bottle Tray
 - WAT271082



"C"- SERIES
(Supported)

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Additional Information

- Platinum Column Heaters and Column Heater/Coolers will continue to ship for awhile
- Platinum detectors will continue to ship for awhile
- Detector Drip Tray
 - 205001128
 - Needed for dual detector system
- Configuration guide
 - Will review Bottle Tray configuration



2013 Alliance® HPLC System Detectors **2414, 2424, 2475, 2489, 2998**

Service Information



HPLC Detectors

- Updated to match the industrial design of the Alliance HPLC System
- This configuration is supported only with an Alliance HPLC System
- Same ICS and firmware
- Same usability and performance



2414 RI



2424 ELS



2475 FLR



2489 UV/Vis



2998 PDA



2414 RI

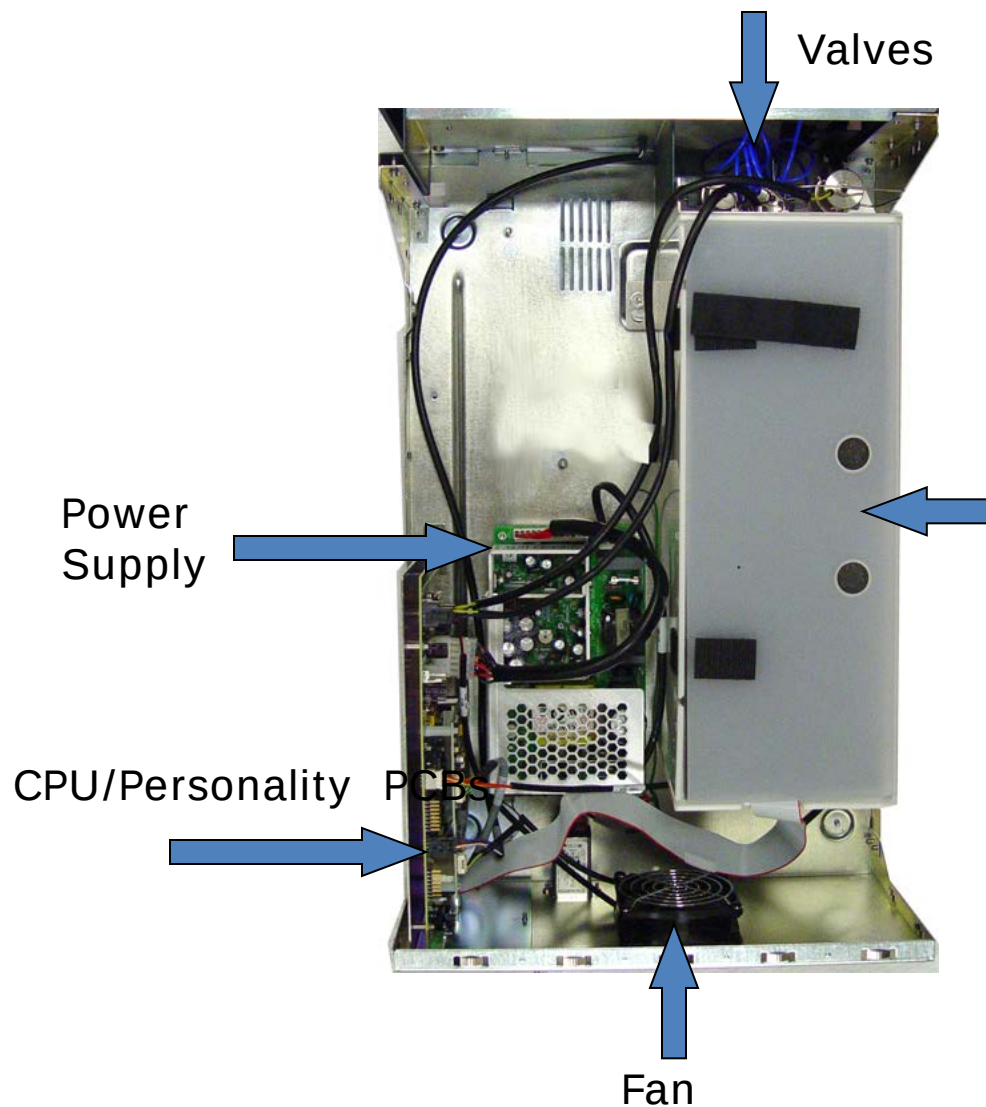
- New Keypad and Display
- Valve Pack orientation
 - Same as current detector
- Servicing
 - Same as current detector

Width	34.3 cm (13.5 in.)
Height	20.8 cm (8.2 in.)
Depth	61.0 cm (24.0 in.)
Weight	15.9 kg (35.0 lbs.)



2414 RI Interior

- Basic layout
 - Remains same
- DC Power Supply
 - Mounted horizontal
- Cables
 - Lengthened
 - New PN's will be issued
- Spares
 - Refer to Service Note at release



2424 ELSD

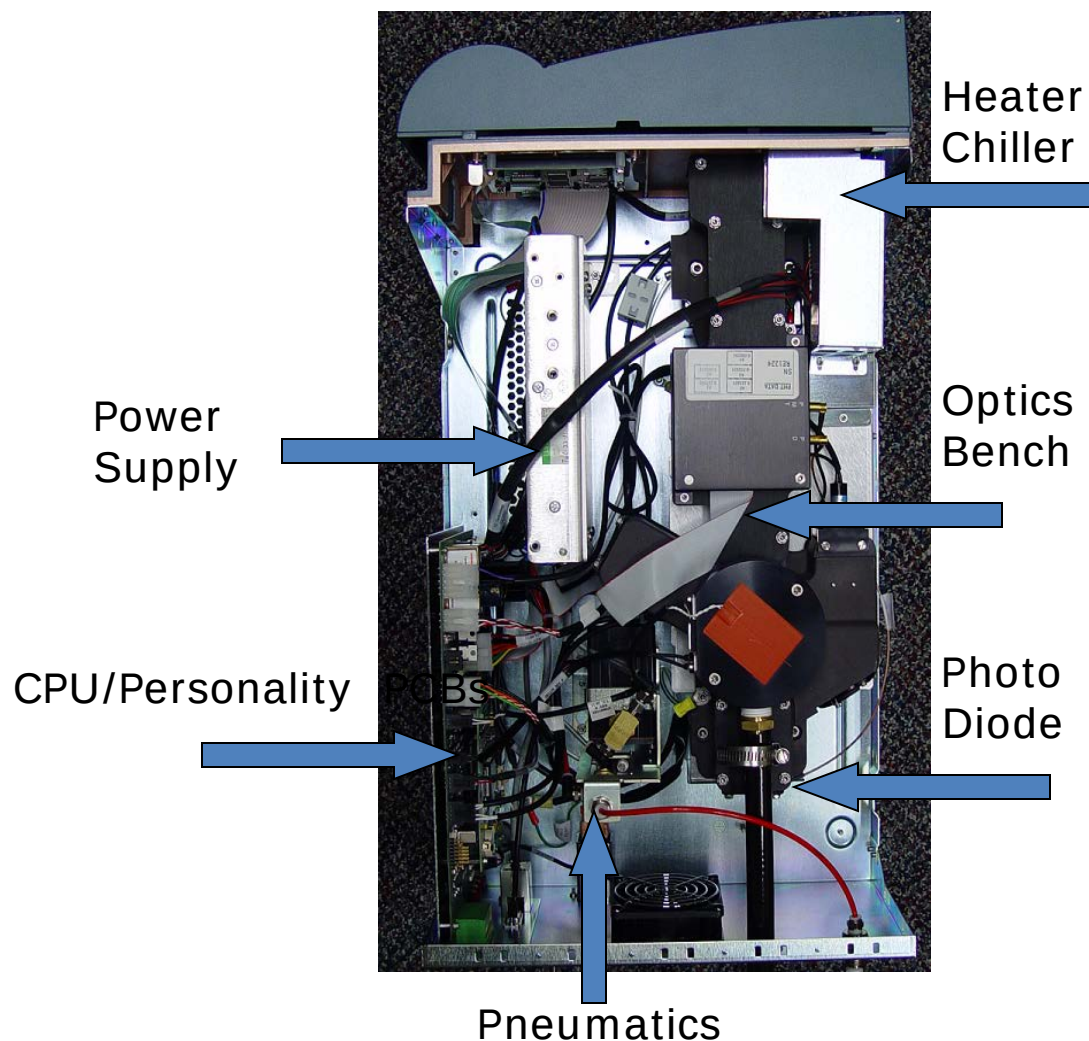
- New Display and Keypad
- New Nebulizer
- Optical components and servicing
 - Same as current detector

Width	34.3 cm (13.5 inches)
Height	20.8 cm (8.2 inches)
Depth	60.0 cm (24 inches)
Weight	18.1 kg (40.0 pounds)



2424 Interior

- Basic layout
 - Remains same
- Optics Bench
 - Moved forward
- Cables
 - Lengthened
 - New PN's will be issued
- Spares
 - Refer to Service Note at release



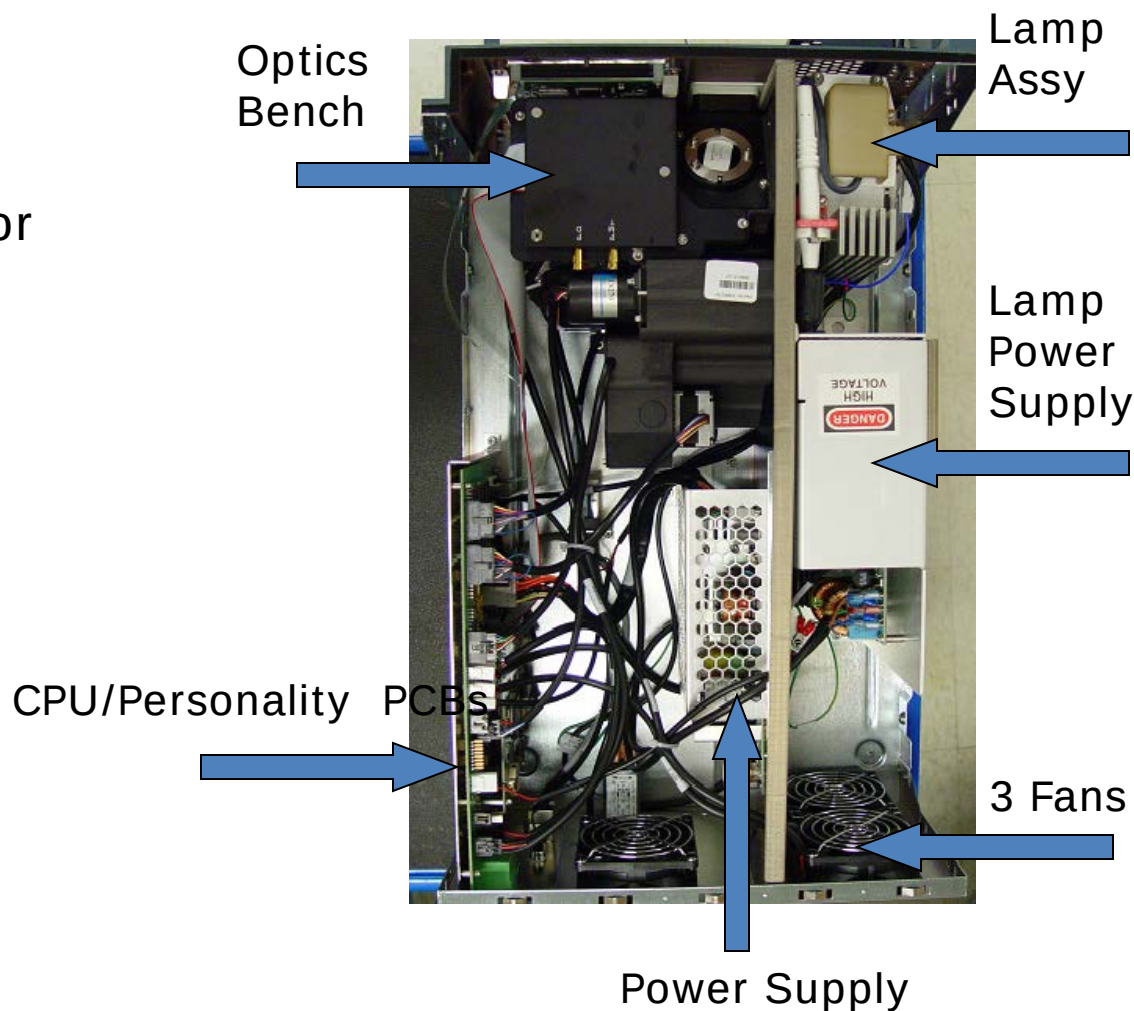
- Optical Components and Servicing
 - Same as current detector
- Flow Cell
 - New Part Number
- New Display and Keypad



Width	34.3 cm (13.5 inches)
Height	20.8 cm (8.2 inches)
Depth	61.0 cm (24.0 inches)
Weight	17.2 kg (38 pounds)

2475 FLR Interior

- Basic layout
 - Remains basically same
- Optics Bench
 - Same as current detector
- Cables
 - Lengthened
 - New PN's will be issued
- Spares
 - Refer to Service Note at release



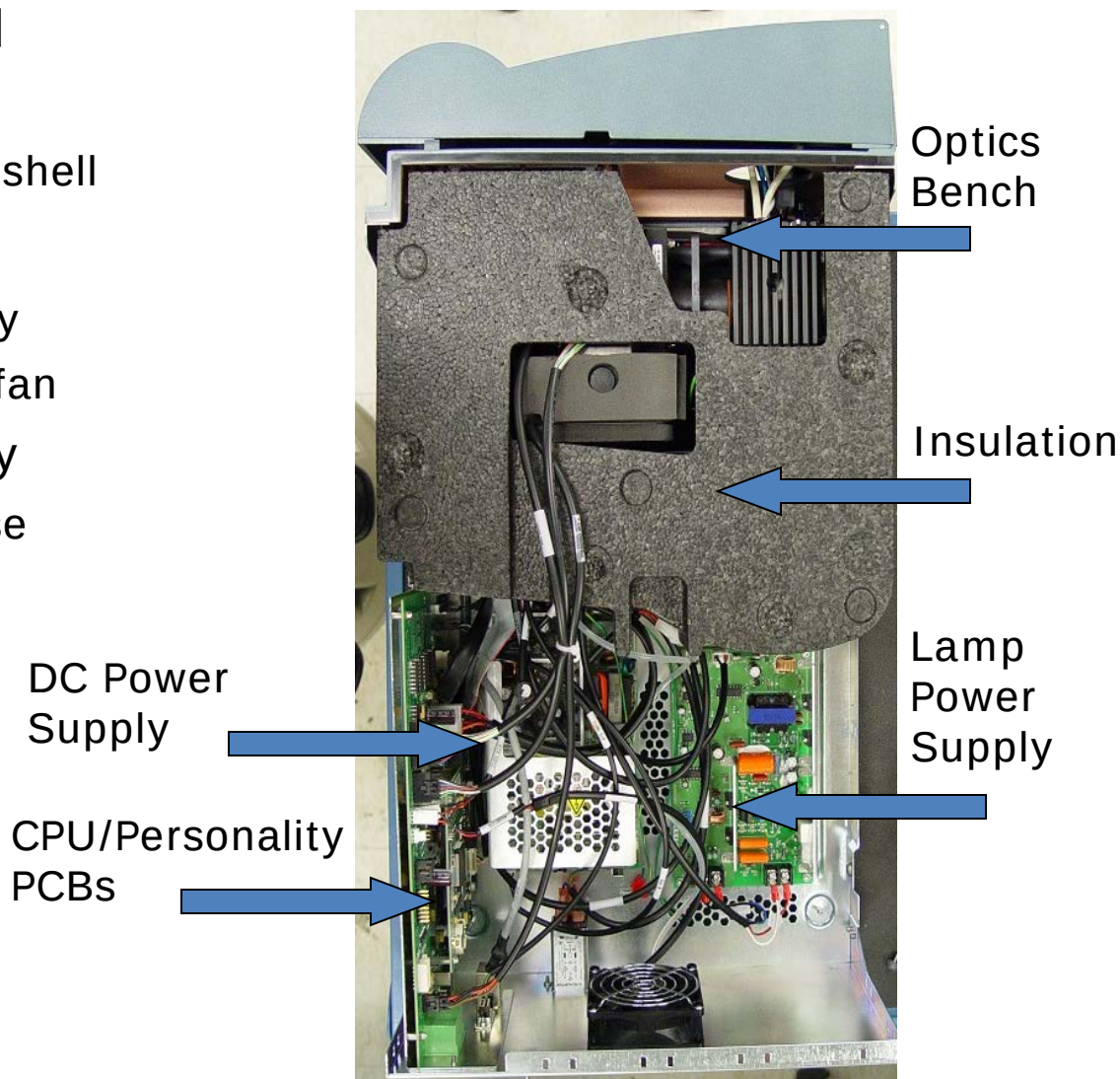
- Common chassis
 - Shared with 2998
- New Thermal Insulation
 - Aids with Thermal Stability
- Optical Components and Servicing
 - Same as current detector
- New Display and Keypad
- Flow Cell
 - New
 - Repair Kits remain same



Width	34.3 cm (13.5 inches)
Height	20.8 cm (8.2 inches)
Depth	61.0 cm (24.0 inches)
Weight	13.6 kg (30.0 pounds)

2489 Interior

- Optical Components and Servicing
 - Encased in Foam Insulation shell
- New Thermal Insulation
 - Aids with Thermal Stability
 - Added 24VDC circulating fan
- Lamp and DC Power Supply
 - Mounted horizontally on base
- Spares
 - New spares
 - Refer to Service Note at release



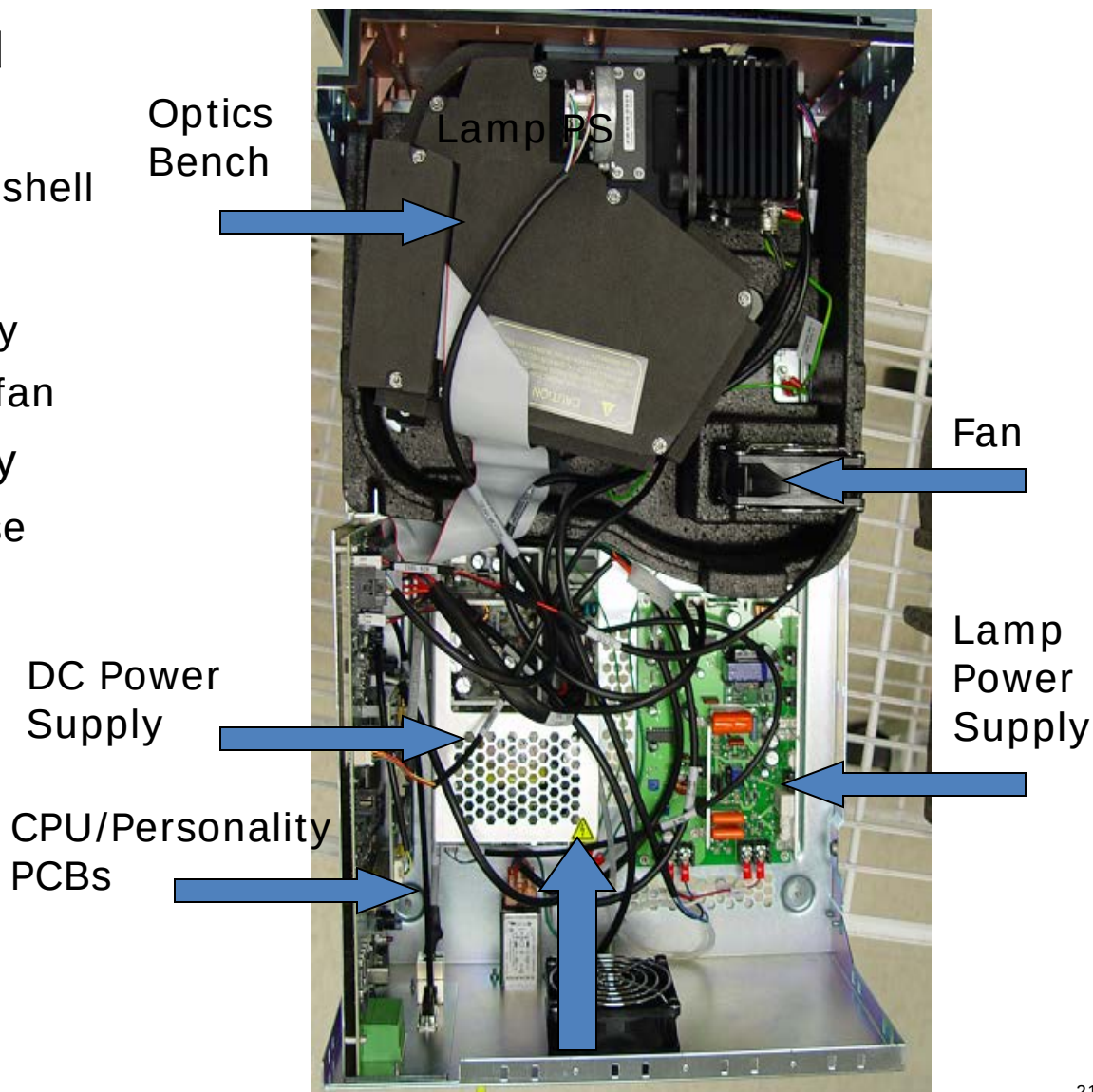
- Common chassis
 - Shared with 2489
- New Thermal Insulation
 - Aids with Thermal Stability
- Optical Components and Servicing
 - Same as current detector
- Flow Cell
 - New
 - Rebuild Kits remain same
- No Keypad or Display

Width	34.3 cm (13.5 inches)
Height	20.8 cm (8.2 inches)
Depth	61.0 cm (24.0 inches)
Weight	14.5 kg (32.0 pounds)



2998 PDA Interior

- Optical Components and Servicing
 - Encased in Foam Insulation shell
- New Thermal Insulation
 - Aids with Thermal Stability
 - Added 24VDC circulating fan
- Lamp and DC Power Supply
 - Mounted horizontally on base
- Spares
 - New spares
 - Refer to Service Note at release



Comparative HPLC Detector Portfolio

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- Both versions are the same
- Different color
- Will have same name
- Version received is dependant on system ordered
- Milford Team
 - Vision is to ensure personnel and customers can ID for accessories and documents
 - Carefully managing transition



2414 RI



2424 ELS



2475 FLR



2489 UV/Vis



2998 PDA

