

PuriFlash Instrument Specifications & Options

The modular design of puriFlash instruments provide a level of flexibility to meet changing purification requirements. Upgrade at any time to a higher pressure or higher flow pump, additional detector (ELSD, RI) or additional collector etc.

PURIFLASH®

Ultra Performance Flash Purification™

Prep-HPLC

Ultra-Performance Flash

Flash

Instrument Model Part Number	PF210 JO1240	PF800 PF800-4	PF430 PF430-18	PF450 PF450-18	PF4100 PF4100-250	PF4250 PF4250-250	PF4250-40 PF4250-40
Instrument Design	Modular; 4 elements	Modular; 4 elements	Modular; 4 elements	Modular; 5 elements	Modular; 5 elements	Modular; 5 elements	Modular; 5 elements
	Controller, Pump, Detector, Collector	Controller, Pump, Detector, Collector	Controller, Pump, Detector, Collector	Controller, Pump, Detector, Collector, Auto-Injector	Controller, Pump, Detector, Collector, Auto-Injector	Controller, Pump, Detector, Collector, Auto-Injector	Controller, Pump, Detector, Collector, Auto-Injector
Column Compatibility	4g to 330g Flash Silica	4g to 3000g Flash Silica	4g to 800g UPPF Flash Silica	UPPF Flash: 4-800g HPLC: 10-75 mm ID	UPPF Flash: 4-800g HPLC: 10-75 mm ID	UPPF Flash: 4-800g HPLC: 10-75 mm ID	UPPF Flash: 4-80g HPLC: 4-30 mm ID
Sample Loading							
Dry load & liquid load	✓	✓	✓	✓	✓	✓	✓
In-line loop injection	Option	Option	Option	✓	✓	✓	✓
High volume, through pump	Option	✓	✓	✓	✓	✓	✓
Multiple injection sequence	Option	✓	✓	✓	✓	✓	✓
Pump - Solvent delivery							
HPLC style:							
Dual reciprocating heads	✓	✓	✓	✓	✓	✓	✓
Binary gradient	✓	✓	✓	✓	✓	✓	✓
True quaternary gradient (100%=A+B+C+D)	Option	✓	✓	✓	✓	✓	✓
Maximum flow rate	150 ml/min +/- 1%	800 ml/min +/- 1%	200 ml/min +/- 1%	250 ml/min +/- 1%	250 ml/min +/- 1%	250 ml/min +/- 1%	40 ml/min +/- 1%
Pressure limit	145 PSI / 10 bar	145 PSI / 10 bar	435 PSI / 30 bar	725 PSI / 50 bar	1450 PSI / 100 bar	3625 PSI / 250 bar	3625 PSI / 250 bar
Leak detection	✓	✓	✓	✓	✓	✓	✓
Solvent level monitoring	✓	✓	✓	✓	✓	✓	✓
Integrated column holder	Option	One	One	Two	Two	Two	Two
Detector							
UV Dual wavelength 200-600nm Collect on 2 wavelengths	✓	✓	✓	✓	✓	✓	✓
UV Scanning:	✓	✓	✓	✓	✓	✓	✓
Full range or window	✓	✓	✓	✓	✓	✓	✓
Adjustable path: 0.3, 1.3, 2.4 mm	✓	✓	✓	✓	✓	✓	✓
Second detector input	✓	✓	✓	✓	✓	✓	✓
ELSD	Option	Option	Option	Option	Option	Option	Option
UV Vis: 190 - 840nm	Option	Option	Option	Option	Option	Option	Option
Collector							
4 Racks, 176 tubes, 18 x 150mm	✓	✓	✓	✓	✓	✓	✓
User Interface							
Touch screen 10.5"	✓	✓	✓	✓	✓	✓	✓
Keyboard/mouse	✓	✓	✓	✓	✓	✓	✓
Software, Intersoft 5.0	✓	✓	✓	✓	✓	✓	✓
Data ports: 3x USB, RG45	✓	✓	✓	✓	✓	✓	✓
Dimensions (WxDxH)	18.9 x 17.5 x 26.5"	18.9 x 17.5 x 26.5"	18.9 x 17.5 x 26.5"	18.9 x 17.5 x 30.5"	18.9 x 17.5 x 30.5"	18.9 x 17.5 x 33.5"	18.9 x 17.5 x 33.5"
Power 100-240 VAC, 6.3-3.15 A	✓	✓	✓	✓	✓	✓	✓

Instrument options	Part Number
UV Vis Detector: 190 - 840nm* Dual Wavelength	GO963C
PF210 Instrument, UV 254nm, Single Wavelength	FV0970
ELSD Detector	F10320
Refractive Index Detector	FSQ600
Fume enclosure	PF4350
Second fraction collector	PF430-C
Bio-Compatible Pump	DV9460
Air purge**	FV2980
Column backflush	PF065
Automated Loop injection**	FV2970
Integrated Column Holder***	FV2960
Stand Alone Column Holder	PF4530
Sample load pump	GO8840
Quad Column Setup (4 in series)	PF4360
Two column Switching	HO3160
Solvent level alarms	FSP730
CCD camera	GO2390
Barcode reader	GO2380
Collector Racks, 4 per pack	
13 x 100 mm, 240 tubes, 2160 ml	PF4370
16 x 150 mm, 176 tubes, 3872 ml	PF4380
18 x 150 mm, 176 tubes, 4400 ml	PF4390
21 x 150 mm, 108 tubes, 3780 ml	PF4410
25 x 150 mm, 64 tubes, 3840 ml	PF4420
28 x 150 mm, 56 tubes, 4200 ml	PF4430
29.5 x 200 mm, 56 tubes, 6160 ml	PF4440
250 ml, 16 bottles, 4000 ml 2/PK	PF9906
500 ml, 12 bottles, 6000 ml 2/PK	PF9912
Funnel Rack, 16 position	FJ4330

Save valuable hood space by locating the instrument on a bench with the fume enclosure option.



2" snorkel outlet with integrated fan (1 cfm)
Removable front panel, magnetic latch.

Intelligent Modular Design

