

interchim®

PURIFLASH® 4100

250 ml/min @ up to 100 bar



PURIFLASH® 4250₄₀

40 ml/min @ up to 250 bar



PURIFLASH® 4250₂₅₀

250 ml/min @ up to 250 bar



PURIFLASH® 450

250 ml/min @ up to 50 bar



PURIFLASH®

ULTRA PERFORMANCE FLASH PURIFICATION™

PURIFLASH® 430

200 ml/min @ up to 30 bar



PURIFLASH® 800

800 ml/min @ up to 10 bar



PURIFLASH® 215

200 ml/min @ up to 15 bar



[Interchim® provides a comprehensive offer in the field of purification – instruments, columns and applications – upheld by a high level of expertise in chemistry and chromatography.]



INTERFINE CHEMICALS

ITM - 2012/09/20



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[Purification by liquid chromatography is always a challenge and there is often a compromise to obtain the desired purity, loading and throughput.

To improve efficiency in delivering pure compounds, chemists may balance between purity, run time and environmental considerations. This delicate balance is often necessary for both crude and final purification.

Interchim, upheld by a high level of expertise in chemistry & chromatography, provides the complete set of tools to meet these demands and to ultimately solve this equation.

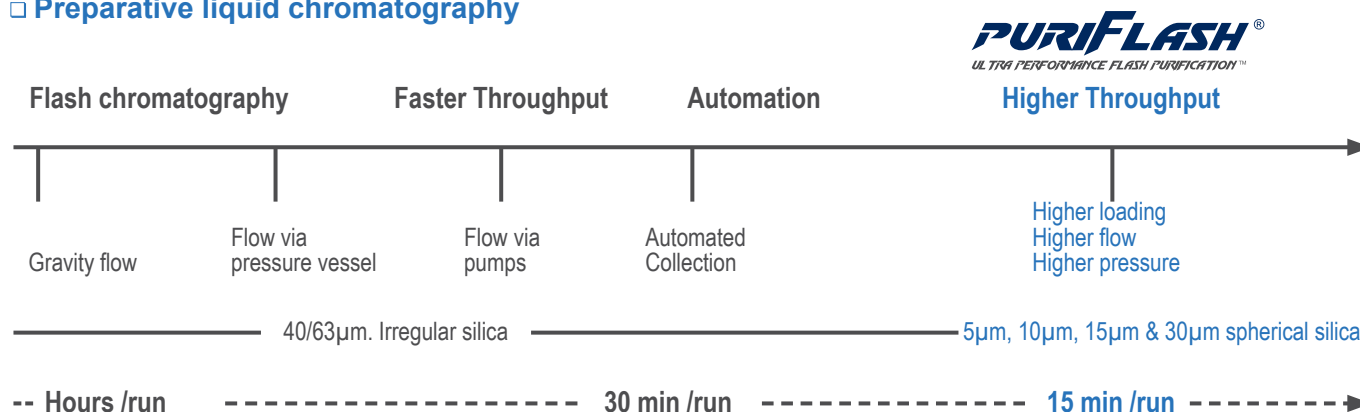
PURIFLASH[®]

ULTRA PERFORMANCE FLASH PURIFICATION™

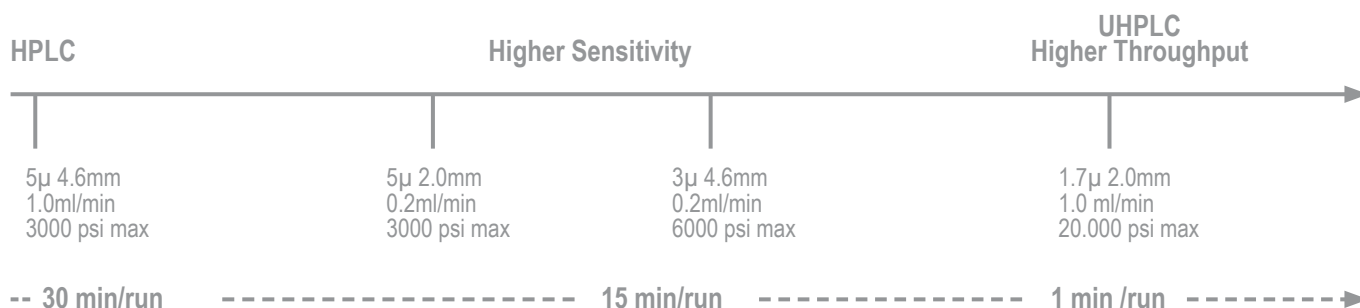
Interchim expertise & solutions are recognized as providing the cutting edge technological advances relative to the current and progressive requirements of the purification market.]

Experience the Evolution

□ Preparative liquid chromatography



□ Analytical liquid chromatography



puriFlash® Instruments Main Features

	Flash Chromatography	Process Chromatography	
	PF-215	PF-800	PF-430
Pump			
Flow rate	200 ml/min	800 ml/min	200 ml/min
Pressure max.	15 bar	10 bar	30 bar
Quaternary Gradient	option	option	yes
Binary Gradient	yes	yes	n/a
Mixing chamber	fixed volume	fixed volume	fixed volume
Air purge	option	no	option
Washing disc	yes	yes	yes
Detector			
UV Detection	200 - 600 nm dual wavelength collection scan collection	200 - 600 nm dual wavelength collection scan collection	200 - 600 nm dual wavelength collection scan collection
Spectral view & purity confirmation	yes	yes	yes
Flow cell-optical length	0.3 mm	0.3 mm	0.3 mm
Second detector channel	yes	yes	yes
UV Detection 190 - 840 nm	option	option	option
ELSD Detection	option	no	option
Mass Spec - simple Quad APCI	option	no	option
Injection			
Direct fixed holder	option	yes	yes
6 ways electrical valve	option	option	option
Injection mode: liquid - Dry load	yes	yes	yes
Large injection volume	external pump	external pump	external pump
Additional valves			
Back Flush	option	no	option
Columns selection	option	no	option
Column holder			
Integrated	option	yes	yes
Stand Alone	option	option	option
Pre-column holder	option	option	option
Extension kit for large columns	option	yes	option
Adapters semi-prep/prep	no	no	option
Fraction Collector			
Racks	4 short racks	4 short racks	4 short racks
Std: 18 x 150 mm tubes	176	176	176
Unit control			
Touch screen 10.5"	yes	yes	yes
USB	4	4	4
RJ45	yes	yes	yes
Flexible keyboard	option	yes	yes
Software			
Interchim® soft ver. 5.0	yes	yes	yes
Solvent tray			
	option	yes	yes
Column compatibility			
particle size	25µm. 30µm. 50µm	25µm. 30µm. 50µm	15µm. 25µm. 30µm. 50µm
Miscellaneous			
Leak detection	yes	yes	yes
Solvent level monitoring	option	option	option
Size			
	W: 18.9" - 48cm D: 17.5" - 44.5cm H: 27" - 69cm	W: 18.9" - 48cm D: 17.5" - 44.5cm H: 27" - 69cm	W: 18.9" - 48cm D: 17.5" - 44.5cm H: 27" - 69cm
Option			
	Fume Enclosure. Drainage System of the tray collector. Bar-code reader. CCD Camera. Solvent level sensor 5.1. 5.5. Security solvent bottle caps. Open Access Lab. Additional flow cells: 1.3 mm & 2.4 mm optical path length. Other racks available on request.		

Ultra Performance Flash Purification		prep-LC Method Development	prep-LC
PF-450	PF-4100	PF-4250-040	PF-4250-250
250 ml/min	250 ml/min	40 ml/min	250 ml/min
50 bar	100 bar	250 bar	250 bar
yes	yes	yes	yes
n/a	n/a	n/a	n/a
fixed volume	adjustable volume	adjustable volume	adjustable volume
yes	yes	yes	yes
yes	yes	yes	yes
200 - 600 nm dual wavelength collection scan collection	200 - 600 nm dual wavelength collection scan collection	200 - 600 nm dual wavelength collection scan collection	200 - 600 nm dual wavelength collection scan collection
yes	yes	yes	yes
0.3 mm	0.3 mm	0.3 mm	0.3 mm
yes	yes	yes	yes
option	option	option	option
option	option	option	option
option	option	option	option
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
external pump	external pump	external pump	external pump
option	option	yes	yes
option	option	option	option
yes	yes	yes	yes
option	option	option	option
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
4 short racks	4 short racks	4 short racks	4 short racks
176	176	176 (16 x 150mm)	176
yes	yes	yes	yes
4	4	4	4
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
15µm. 25µm. 30µm. 50µm	10µm. 15µm. 25µm. 30µm. +	5µm. 10µm. 15µm. +	5µm. 10µm. 15µm. +
yes	yes	yes	yes
option	option	option	option
W: 18.9" - 48cm D: 17.5" - 44.5cm H: 30" - 77cm	W: 18.9" - 48cm D: 17.5" - 44.5cm H: 30" - 77cm		

PURIFLASH® 215

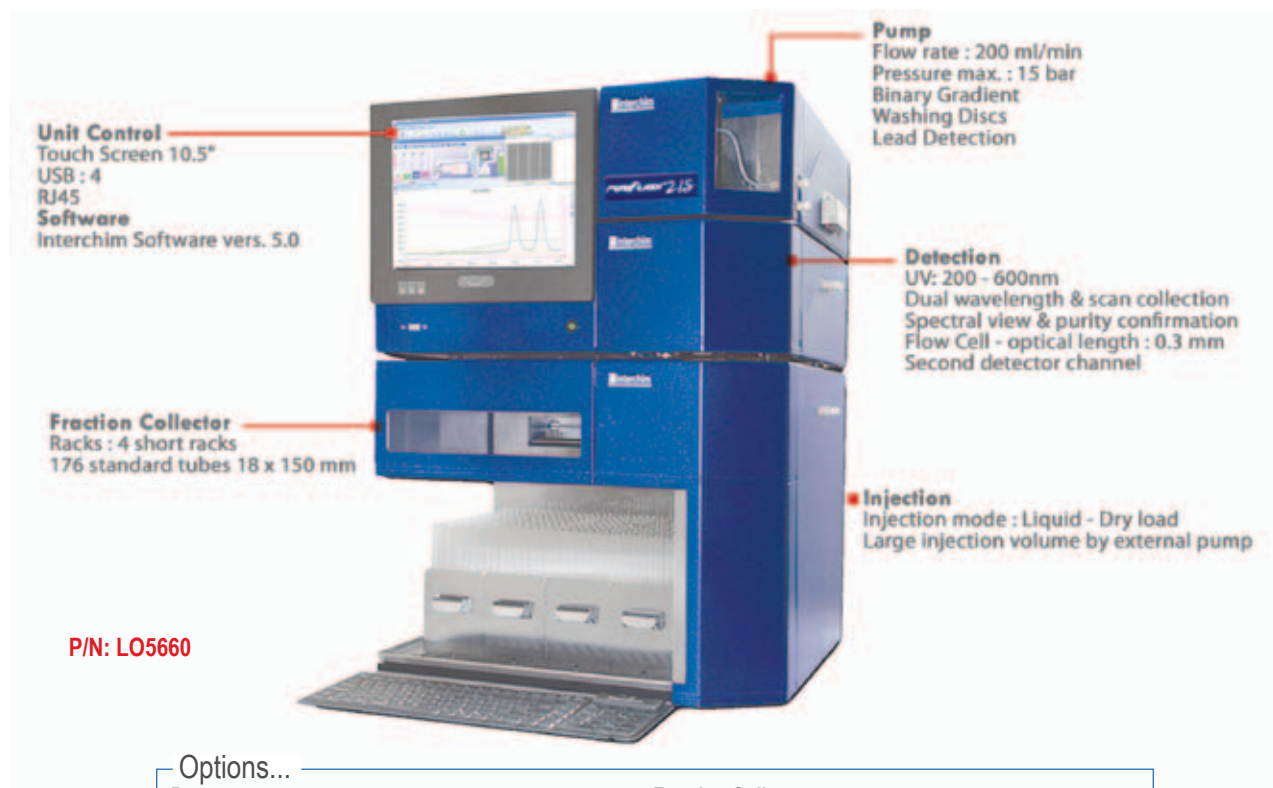
200 ml/min @ up to 15 bar

Flash Chromatography

Discover the Modern Flash Purification
Academia - Research

✓ Flash columns up to F300 format

puriFlash® 215 is the entry-level machine designed to discover the modern & pressured flash purification. It allows to use prepacked flash chromatography columns or cartridges up to F300 format.



Options...

Pump

- Quaternary gradient - (JO0400)
- Air purge - (FV2980)

Detector

- UV 190 - 840 nm - (GO9630)
- puriFlash® ELSD - (FI0320)
- puriFlash® Mass Spec - (JO1020)
- RI - (FSQ600)

Valves

- 6-port electric injection valve w/loop - (FV2970)
- 6-port manual injection valve w/loop - (PF4330)
- Backflush - (LO6650)
- Column selection - (LO6640)

Column Holder

- Integrated - (FV2960)
- Stand Alone - (PF4530)
- Pre-column holder - (GO9640)
- Extension kit for large columns - (DU9671)

Fraction Collector

- Drainage system of the tray collector - (DZ7790)
- Fume enclosure - (PF4350)
- Funnel rack set - (FJ4330)

Unit Control

- Bar code reader - (GO2380)
- CCD Camera - (GO2390)
- Flexible Keyboard - (QWERTY - LO4300)
(AZERTY - DV4120)

Security solvent

- Solvent level sensor Global - (FSP720) or
Solvent level sensor Separated - (FSP730)
- Solvent tray - (FV2950)
- Safety solvent bottle cap - (DV2760)
- Safety waste cap - (IO6930 or JO4500)

Open Access Lab

- 10 columns sequential - (JO3750)

PURIFLASH[®] 800

800 ml/min @ up to 10 bar

Process Chromatography

Large Scale Purification

✓ Flash columns up to F1600 format & more

*puriFlash[®] 800 is the large scale purification machine that support columns up to 150mm i.d. (@ optimum flow rate).
The washing disc allows mobiles phases necessary to achieve purification of biomolecules by reverse phase.*



Options...

Detector

UV 190 - 840 nm - (JO5140)

Column Holder

Stand Alone - (PF4530)

Pre-column holder - (IV1710)

Fraction Collector

Drainage system of the tray collector - (DZ7790)

Fume enclosure - (FP4350)

Funnel rack set - (FJ4330)

Unit Control

Bar code reader - (GO2380)

CCD Camera - (GO2390)

Flexible Keyboard - (LO4300 - QWERTY)

(DV4120 - AZERTY)

Security solvent

Solvent level sensor Global - (FSP720) or

Solvent level sensor Separated - (FSP730)

Safety solvent bottle cap (1u) - (JO1620)

Safety waste cap - (JO4500)

PURIFLASH® 430

200 ml/min @ up to 30 bar

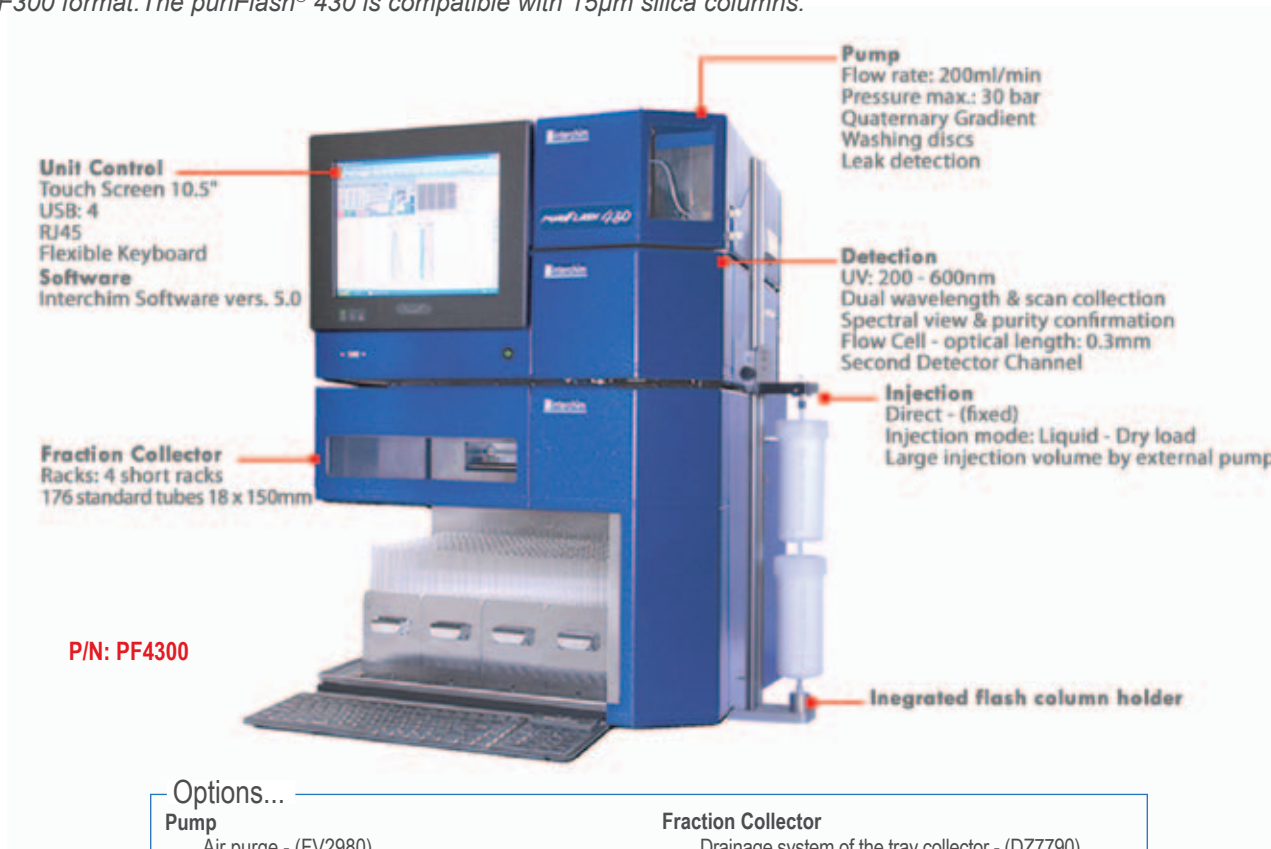
Ultra Performance Flash Purification™

Enter the UPFP Concept

Lab Scale & Routine

- ✓ Flash columns up to F300 format
- ✓ Prep-LC columns up to 80mm id - 15µm silica

puriFlash® 430 is the first machine designed to support the Ultra Performance Flash Purification™ concept. It is recommended for Lab Scale & routine purification. It allows to use Flash Chromatography columns or cartridges up to F300 format. The puriFlash® 430 is compatible with 15µm silica columns.



Options...

Pump

Air purge - (FV2980)

Detector

UV 190 - 840 nm - (GO9630)
puriFlash® ELSD - (FI0320)
puriFlash® Mass Spec - (JO1020)
RI - (FSQ600)

Valves

6-port electric injection valve w/loop - (FV2970)
6-port manual injection valve w/loop - (PF4330)
Backflush - (LO6650)
Column selection - (LO6640)

Column Holder

Stand Alone - (PF4530)
Pre-column holder - (GO9640)
Extension kit for large columns - (DU9671)

Fraction Collector

Drainage system of the tray collector - (DZ7790)
Fume enclosure - (PF4350)
Funnel rack set - (FJ4330)

Unit Control

Bar code reader - (GO2380)
CCD camera - (GO2390)

Security solvent

Solvent level sensor Global - (FSP720) or
Solvent level sensor Separated - (FSP730)
Safety solvent bottle cap - (DV2760)
Safety waste cap - (IO6930 or JO4500)

Open Access Lab

10 columns sequential - (JO3750)

Prep / Semi-prep LC columns

Upgrade kit - (GO2400)

PURIFLASH[®] 450

250 ml/min @ up to 50 bar

Ultra Performance Flash Purification[™]

Crossover flash / prep-LC

Lab Scale

- ✓ Flash columns up to F800 format
- ✓ Prep-LC columns up to 80mm id - 15µm

puriFlash[®] 450 is the State of the Art machine designed to support the UPFP[™] concept.

It achieve accelerated throughput using 15µm puriFlash[®] columns. The unique performance of the pump allows to run up to 80mm i.d. prep LC columns. It is a versatile system that satisfy a large number of purification.



Options...

Detector

- UV 190 - 840 nm - (GO9630)
- puriFlash[®] ELSD - (FI0320)
- puriFlash[®] Mass Spec - (JO1020)
- RI - (FSQ600)

Valves

- Backflush - (LO6610)
- Column selection - (LO6600)

Column Holder

- Stand Alone - (PF4530)

Fraction Collector

- Drainage system of the tray collector - (DZ7790)
- Fume enclosure - (PF4350)
- Funnel rack set - (FJ4330)

Unit Control

- Bar code reader - (GO2380)
- CCD camera - (GO2390)

Security solvent

- Solvent level sensor Global - (FSP720) or
- Solvent level sensor Separated - (FSP730)
- Safety solvent bottle cap - (DV2760)
- Safety waste cap - (IO6930 or JO4500)

Open Access Lab

- 10 columns sequential - (JO3750)

PURIFLASH® 4100

250 ml/min @ up to 100 bar

Ultra Performance Flash Purification

Premium Flash / prep-LC system

Lab Scale

✓ Flash columns up to F800 format

✓ Prep-LC columns up to 80mm id - 10µm

puriFlash® 4100 is a Premium. easy to use Flash-Prep LC system.

It fully support the UPFP concept by achieving accelerated throughput using 15µm puriFlash® and up to 10 µm prep LC columns. It secure and guarantee your one shot purifications.



Options...

Detector

UV 190 - 840 nm - (GO9630)
puriFlash® ELSD - (FI0320)
puriFlash® Mass Spec - (JO1020)
RI - (FSQ600)

Valves

Backflush - (LO4290)
Column selection - (HO3160)

Column Holder

Stand Alone - (PF4530)

Fraction Collector

Drainage system of the tray collector - (DZ7790)
Fume enclosure - (PF4350)
Funnel rack set - (FJ4330)

Unit Control

Bar code reader - (GO2380)
CCD camera - (GO2390)

Security solvent

Solvent level sensor Global - (FSP720) or
Solvent level sensor Separated - (FSP730)
Safety solvent bottle caps - (DV2760)
Safety waste cap - (IO6930 or JO4500)

Open Access Lab

10 columns sequential - (JO3750)

PURIFLASH[®] 4250₄₀

40 ml/min @ up to 250 bar

Premium preparative LC

Method Development

- ✓ Flash columns up to F80 format
- ✓ 4.6 x 250mm method development column
- ✓ Prep-LC columns up to 30mm id - 5µm

puriFlash[®] 4250 is a Premium. easy to use preparative LC system.

Perfect for Method Development & Scale up studies using 4.6 x 250mm method development columns.



Options...

Detector

- UV 190 - 840 nm - (GO9630)
- puriFlash[®] ELSD - (FI0320)
- puriFlash[®] Mass Spec - (JO1020)
- RI - (FSQ600)

Valves

- Column selection - (LV2650)

Column Holder

- Stand Alone - (PF4530)

Fraction Collector

- Drainage system of the tray collector - (DZ7790)
- Fume enclosure - (PF4350)
- Funnel rack set - (FJ4330)

Unit Control

- Bar code reader - (GO2380)
- CCD camera - (GO2390)

Security solvent

- Solvent level sensor Global - (FSP720) or
- Solvent level sensor Separated - (FSP730)
- Safety solvent bottle caps - (DV2760)
- Safety waste cap - (IO6930 or JO4500)

Open Access Lab

- 10 columns sequential - (JO3750)

PURIFLASH® 4250₂₅₀ 250 ml/min @ up to 250 bar

Premium preparative LC
Lab Scale

- ✓ Flash columns up to F800 format
- ✓ Prep-LC columns up to 80mm id - 5µm

puriFlash® 4250 is a Premium. easy to use prep LC system.

Perfect for routine & sophisticated purifications with up to 5µm & up to 80mm id prep LC columns.



Options...

Detector

- UV 190 - 840 nm - (GO9630)
- puriFlash ELSD - (FI0320)
- puriFlash Mass Spec - (JO1020)
- RI - (FSQ600)

Valves

- Column selection - (LV2650)

Column Holder

- Stand Alone - (PF4530)

Fraction Collector

- Drainage system of the tray collector - (DZ7790)
- Fume enclosure - (PF4350)
- Funnel rack set - (FJ4330)

Unit Control

- Bar code reader - (GO2380)
- CCD camera - (GO2390)

Security solvent

- Solvent level sensor Global - (FSP720) or
- Solvent level sensor Separated - (FSP730)
- Safety solvent bottle caps - (DV2760)
- Safety waste cap - (IO6930 or JO4500)

Open Access Lab

- 10 columns sequential - (JO3750)

PURIFLASH® 1 SERIE

Stand Alone module.
Small footprint.

Detector

P/N: IV3920 - UV: 200 - 600 nm

P/N: IV8740 - UV: 190 - 840 nm



Fraction collector

P/N: IV2960



Pump

P/N: LO7070 - 200 ml/min @ up to 15 bar

P/N: IV2950 - 200 ml/min @ up to 30 bar

P/N: IV8730 - 250 ml/min @ up to 50 bar

P/N: JO5280 - 250 ml/min @ up to 100 bar

P/N: on request - 250 ml/min @ up to 250 bar



- ✓ DAD multi-wavelength
- ✓ Adjustable flow cell (0.3 mm)
- ✓ 2 wavelength collection

- ✓ Binary & Quaternary Gradient
- ✓ Gradient Accuracy ~ 1%
- ✓ HP mixing, static fixed or adjustable
- ✓ Touch screen controller

Valve module

P/N: LO6960 - Injection valve

P/N: LO6980 - Backflush valve

P/N: LO6970 - Column switching valve

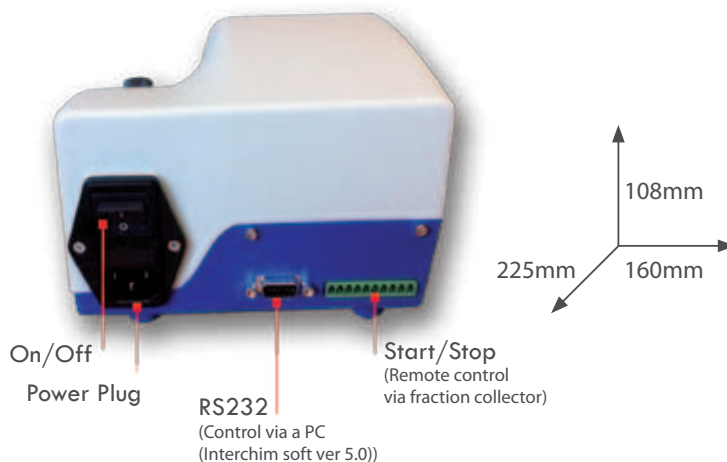
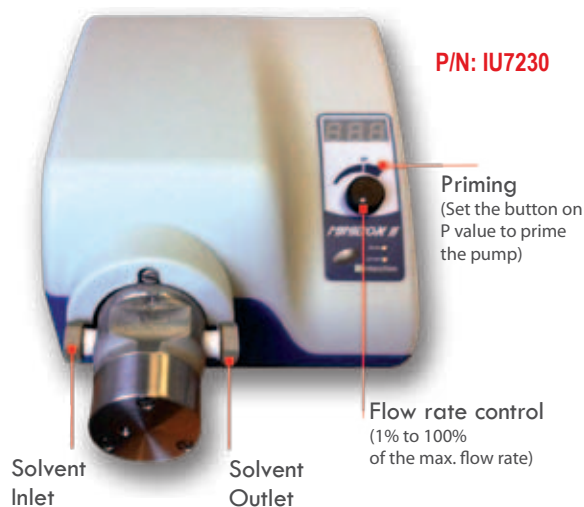


- ✓ Optimum sample recovery
- ✓ Fume Enclosure
- ✓ 2 long racks – 128 std tubes
- ✓ 8 different racks available
- ✓ 3 collection modes:
 - threshold
 - volume
 - time

MINIBOX II™

250 ml/min @ up to 7 bar

purify in 1 clic with the MiniBox II™
Compact. robust & economical



PURIFLASH® Fraction collector



- ✓ Optimum sample recovery
- ✓ Fume Enclosure
- ✓ 2 long racks – 128 std tubes
- ✓ 8 different racks available
- ✓ 3 collection modes:
threshold
volume
time



The best ratio number of glass tube / system footprint

Tube size	Tube total	Tube volume (ml)	Total volume (ml)
13 x 100mm	240	9	2160
16 x 150mm	176	22	3872
18 x 150mm	176	25	4400
18 x 180mm	176	32	5632
21 x 150mm	108	35	3780
25 x 150mm	64	60	3840
28 x 150mm	56	75	4200
29.5 x 200mm	56	110	6160
250ml	3 x 2	250	1500
500ml	3 x 2	500	3000

Other racks available on request



✓ Fume enclosure option

PURIFLASH[®] UV/Vis Detector

✓ **DAD Multi wavelength**

λ: 200 to 600nm

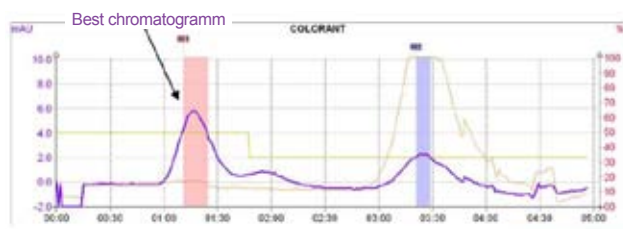
λ: 190 to 840nm

Adjustable Flow cell: 0.3 - 1.4 - 2.4mm)

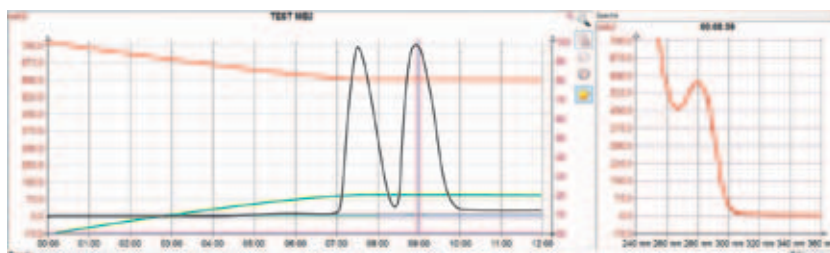
(others available upon request)

✓ **Real time scan of all wavelength**

max scan range: 400nm



✓ **Spectral view & Purity confirmation**



PURIFLASH[®] ELSD

Low Temperature Evaporative Light Scattering Detector

Issue from a collaboration with the Worldwide leader of this technique

True ELSD designed for Flash purification

- ✓ High concentration sample
- ✓ Full control of the Split and the inlet flow
- ✓ Accept up to 5 mL/min into the detector
- ✓ No additional solvent needed to run the split at consistent flow
- ✓ True Flash Nebulizer with a large capillary i.d. to avoid clogging
- ✓ Easy access /easy maintenance
- ✓ Multi-application: Flash, prep LC, ...
- ✓ Thermo-sensitive compounds: work @ room temperature
- ✓ Low gaz consumption

External or Integrated Design



P/N: FI0320

PURIFLASH[®] MS

Mass Directed Purification for the Masses

- ✓ Mass triggered fraction collection from normal & reverse phase flash chromatography & prep-LC
- ✓ Mass & Purity confirmation of flash fractions
- ✓ 100% confidence
- ✓ Real-time reaction monitoring of batch reactions
- ✓ The hood-based puriFlash MS reduces the burden on open-access platforms

Specification

Ion Source: APCI (ESI as option, easy switch)

API: orthogonal ion sampling from heated capillary – allows for small single turbo pump (Patents pending)

Flow rate range: 10 µL/min to 500 µL/min

Polarity: +ve and -ve ion in sequential analyses

m/z Range: m/z 10 to m/z 1,200

Acquisition rate: 5,000 m/z units sec⁻¹

Resolution: 0.5-0.7 m/z units (FWHM) at 1000 m/z units sec⁻¹ over entire acquisition range

SIM sensitivity: 10 pg Reserpine (FIA - 5µL injection at 100 µL/min) 100:1 S/N (RMS) with SIM of m/z 609.28

Scan sensitivity: 100 pg Reserpine (FIA - 5µL injection at 100 µL/min) 100:1 S/N (RMS) with full-scan acquisition of m/z 100 to m/z 1200

Accuracy: ± 0.1 m/z units over entire acquisition range

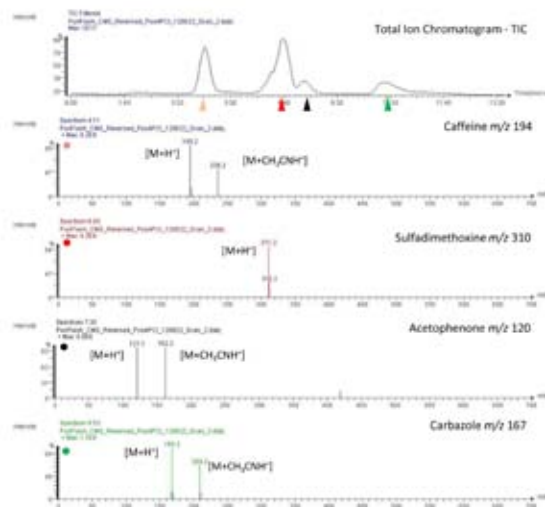
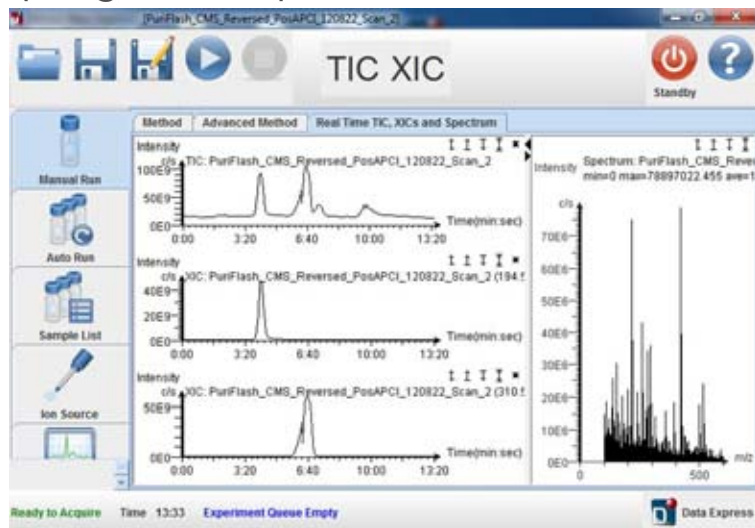
Stability: ± 0.1 m/z units 12 hours in temperature controlled environment (21 ± 3 °C)



P/N: JO1090

The puriFlash[®] MS push the mass specs boundaries for Identification, separation & purification to chemists fume hoods.

Spectra @ individual time point



Normal-Phase - APCI/MS Application

50mg/mL standard of caffeine, acetophenone and carbazole in DMSO

puriFlash[®] column 15µm Silica HC 120G
Gradient method used (24.08 minutes) —→

2mL injection (0.3g total loaded on-column)

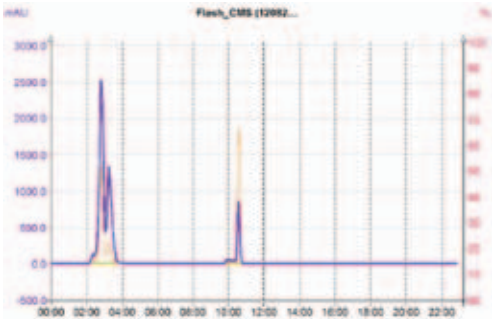
MRA valve set to 31: 4000:1
(15µL/min transfer rate)

Eluent make up – Acetonitrile + 0.1% formic acid

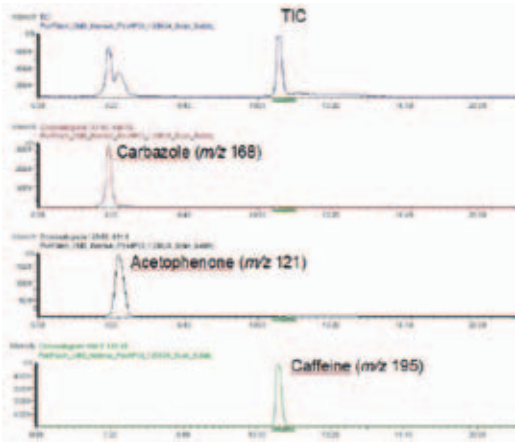
Eluent make-up flow rate: 100µL/min

MS Parameters: m/z 100 – 600; 3000ms scan time; Corona 3mA

Time	% DCM	% MeOH
0:00	100	0
5:22	100	0
13:25	0	100
18:33	0	100
18:46	100	0
24:08	100	0



Purple trace – 254nm; Orange trace – 280nm



Reversed-Phase - APCI/CMS Application

50mg/mL standard of caffeine, sulfadimethoxine, acetophenone and carbazole in DMSO

puriFlash[®] column 15µm C18 HP 20G
Gradient method used (13.5 minutes) —→

1mL injection (0.2g total loaded on-column)

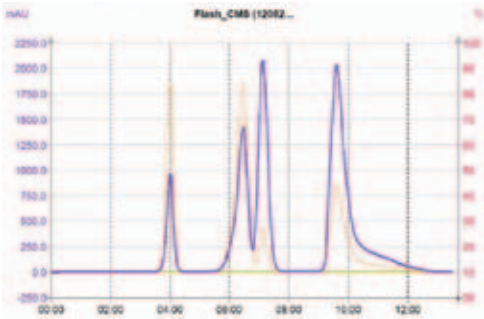
MRA valve set to 11: 500:1
(40µL/min transfer rate)

Eluent make up – Acetonitrile + 0.1% formic acid

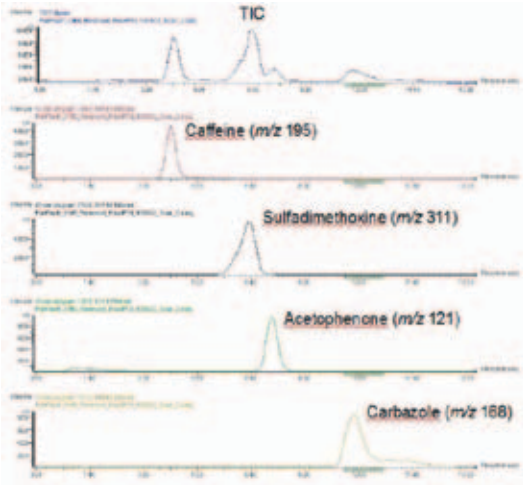
Eluent make-up flow rate: 100µL/min

MS Parameters: m/z 100 – 600; 3000ms scan time; Corona 3mA

Time	% DCM	% MeOH
0:00	90	10
1:00	90	10
10:00	10	90
11:00	10	90
11:30	90	100
13:30	90	10



Purple trace – 254nm; Orange trace – 280nm



PURIFLASH® Open Access Lab



P/N: JO3750

Improve your throughput
Sequential
10 columns purification up to F300
1 waste per column + 1 general waste

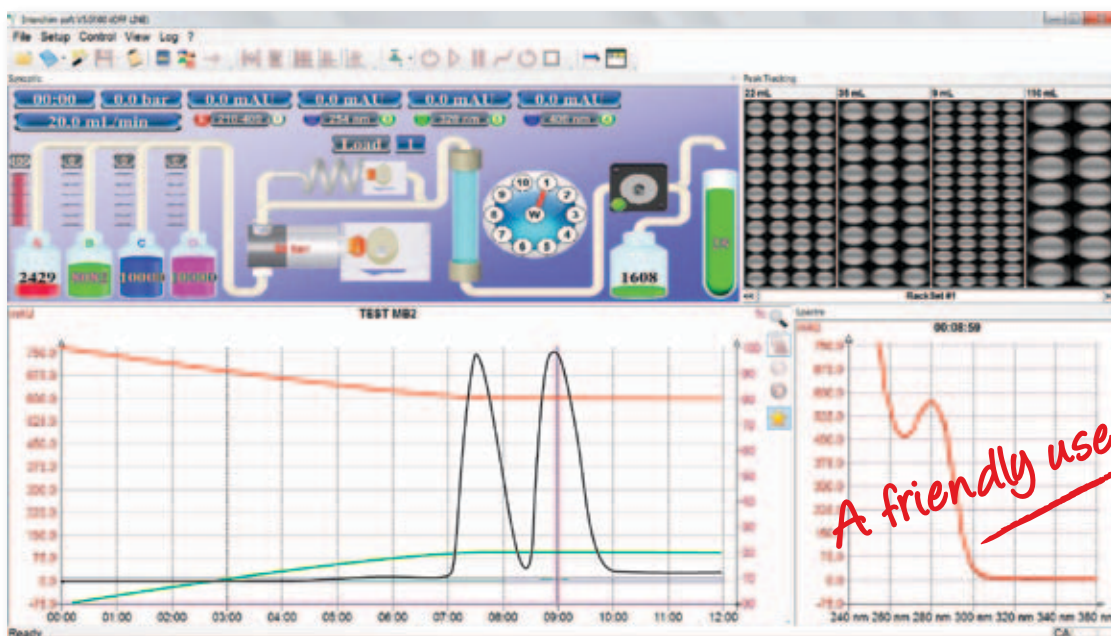
Auto-washing between 2 runs or columns
Stand-Alone
Via Interchim® Software Ver. 5.0



Interchim® Software ver. 5.0

One customizable screen to manage the whole process:

To create the method, to launch the purification & to control the process during the purification up to the report.



User Profile definition:

- Customization of the GUI and its functions
- User profile management and password
- Definition of the reporting format

Unique features

- TLC to Flash transposition
- "Best Chromatogram"
- Automatic gradient optimization
- Intelligent Continuous Mode
- Dual triggered collection
- Timed auto shut-off
- Air purge

PURIFLASH® Columns

Select your hardware



Code	F4	F12	F25	F40	F80	F120	F200	F300	F800	F1600
Ø int. (mm)	12	21	21	27	31	36	60	60	78	104
L (mm)	68	84	133	135	205	224	153	226	341	385
CV ₀ (mL)	5	19	32	48	102	153	269	405	1 078	2 170
Flow rate - Typical (mL/min)	5	16	16	26	34	46	128	128	216	383
Flow rate - Range (mL/min)	5 - 20	15 - 50	15 - 50	20 - 70	30 - 100	40 - 150	80 - 300	80 - 300	150 - 300	200 - 500

Choose the right media to achieve Selectivity → Capacity → Productivity

Media selection requires consideration of sample volume, the nature of the analyte and its concentration and the inherent properties of the sorbent itself.

Polymer loading capacities are higher than silica , however, silica sorbents exhibit greater selectivity.

Silicas:

Silica & bonded silica are rigid supports that do not shrink or swell with solvents. The silica surface can be easily modified, this creates a potential for a large selectivity for purification from hydrophobic to hydrophilic interactions. The pH stability of bonded silica is limited, typically to within the range of 2 to 7.5, this is chemistry dependant. Interchim offers more than 20 different silica based selectivities. Our sorbents take advantage of our ultra pure spherical silica , and this achieves greater reproducibility, and establishes optimized sample recoveries.

Polymers:

Polymer sorbents are very stable from pH 1 to 14, they exhibit high loading capacities allowing for the purification of a broad range of compounds. Our polymers have a very high specific surface area that maximizes pi-pi interactions. The capacity of our polymers are typically 15% greater than competitive polymers and 25% higher than silica. These polymers are particularly suited for polar compound purification. The polymer surface can be easily modified and facilitates a large selectivity range from hydrophobic to hydrophilic interactions.

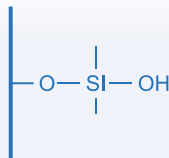
Silica

puriFlash® columns

Capacity

Selectivity

Productivity


Disposable columns
Application:

Non-ionic, polar organic compounds


IR - irregular

60Å - 450m²/g

40/63µm

pH stability: 1.5 to 6.5

Economical.

HP - spherical

60Å - 500m²/g

15, 30 & 50µm

pH stability: 1.5 to 6.5

High Flow rate & Resolution.
Greater productivity.
Lower solvents consumption.
Less evaporation time.
Jumbo Pack 30 for large volume order.

HC - spherical

60Å - 680m²/g

15, 25 & 50µm

pH stability: 1.5 to 6.5

Highest loading capacity.
Greater productivity.
Low backpressure.

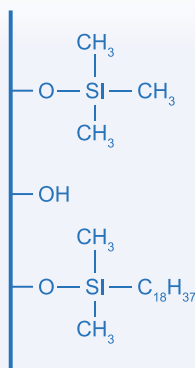
C18

puriFlash® columns

Capacity

Selectivity

Productivity


Reusable columns
Application:

Non-polar organic compounds


IR - irregular

60Å - 450m²/g

40/63µm

Bonding: C18

%C: 20

End-capping: one-step

pH stability: 1.5 to 7.0

Serves a broad-ship of purification requirements for mid to non polar compounds.

HP - spherical

60Å - 500m²/g

15, 30 & 50µm

Bonding: C18

%C: 20

End-capping: one-step

pH stability: 1.5 to 7.5

Serves many pharmaceutical applications.
The high bonding density of C18 facilitates purification of mid and non polar compounds.

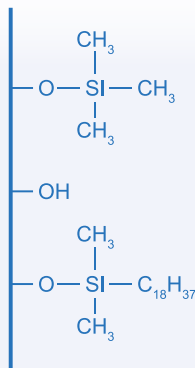
C18

Selectivity

puriFlash® columns

Capacity

Productivity



Reusable columns

Application:

Non-polar organic compounds



HQ - spherical

100Å - 400m²/g

15µm

Bonding: C18

%C: 20

End-capping: multi-step

pH stability: 1.5 to 8.0

HPLC quality for difficult purification Rs < 1.5.

HC - spherical

60Å - 680m²/g

15 & 30µm

Bonding: C18

%C: 22

End-capping: multi-step

pH stability: 1.5 to 7.5

The high surface area improves drastically the loading capacity.

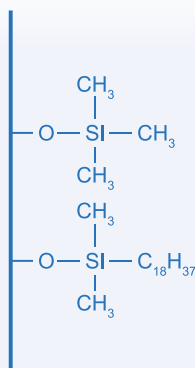
C18XS

Selectivity

puriFlash® columns

Capacity

Productivity



Reusable columns

Application:

Non-polar organic compounds

Basic Drugs at high pH



HP - spherical

60Å - 500m²/g

15 & 30µm

Bonding: C18

%C: 21

End-capping: multi-step

pH stability: 1.0 to 10.0

The proprietary multi-step bonding technology guarantees a fully end-capped phase, stable under basic pH conditions up to pH: 10. It's an excellent phase for the integral purification of basic drugs.

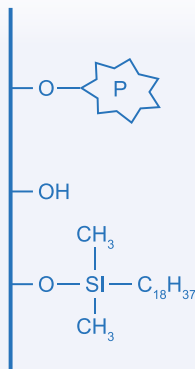
C18AQ

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Mid-polar organic compounds
100% water compatible



HP - spherical

60Å - 500m²/g

15 & 30µm

Bonding: C18

%C: 14

End-capping: one-step hydrophilic

pH stability: 2.0 to 7.5

*The bonding chemistry allow to start gradient
with 100% of water.*

Suitable for the purification of mid and non polar compounds.

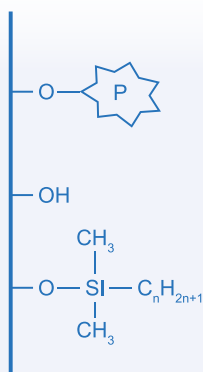
RPAQ

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

mid-polar organic compounds
100% water compatible



HP - spherical

60Å - 500m²/g

15 & 30µm

Bonding: n.a.

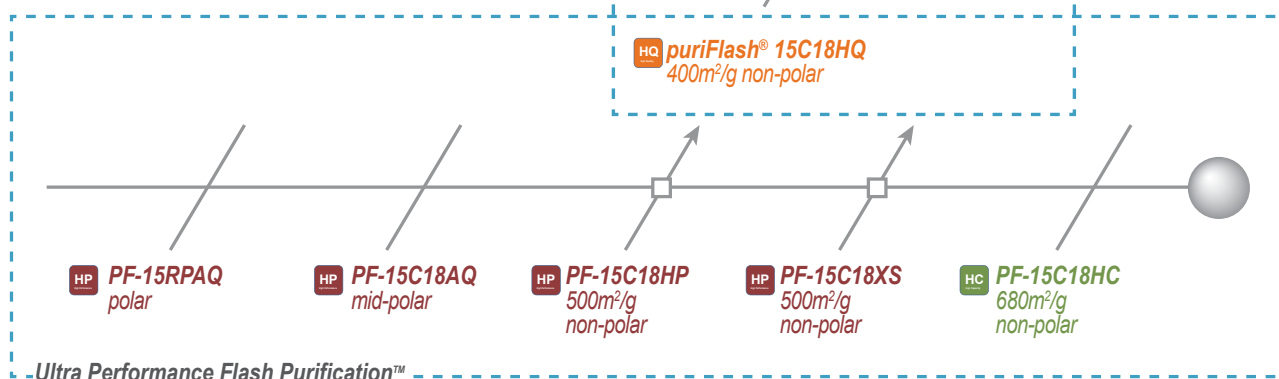
%C: 6

End-capping: one-step hydrophilic

pH stability: 1.5 to 7.5

*The bonding chemistry allow to start gradient with 100% of water.
Suitable for the purification of high and mid polar compounds.
Compare to C18. peaks are elutes earlier from the beginning
of the gradient.*

C18 columns selection guide



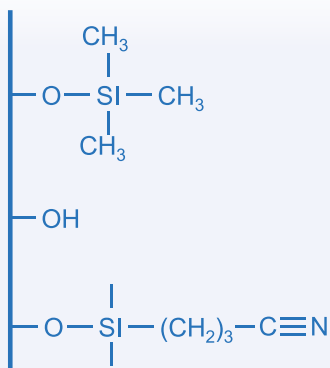
CN

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Polar compounds by reverse phase



HP - spherical

60Å - 500m²/g

50µm

Bonding: cyano

%C: 5

End-capping: one-step

pH stability: 1.5 to 7.0

CN functional groups can be used either in normal phase to purify polar compounds or in reversed phase for mid-polar compounds.

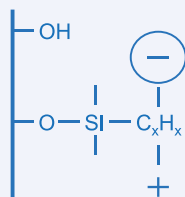
Hilic

— puriFlash® columns —

Capacity

Selectivity

Productivity



HP - spherical

60Å - 500m²/g

30µm

Bonding: proprietary

End-capping: multi-step hydrophilic

pH stability: 2.5 to 6.5

Aqueous normal phase separation (ANP) of water-soluble compounds.

Typical mobile phase: water / ACN (> 50%).

ANP is an excellent alternative to RP purification for highly polar compounds.

Reusable columns

Application:

water-soluble compounds

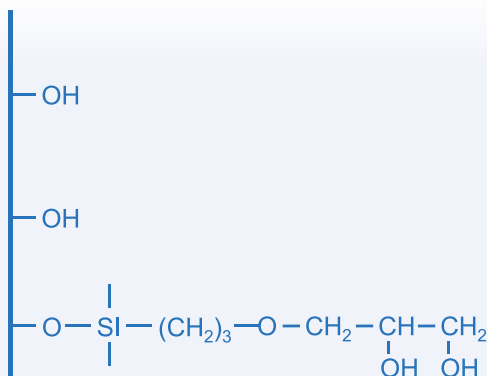
Diol

— puriFlash® columns —

Capacity

Selectivity

Productivity



HP - spherical

60Å - 500m²/g

30 & 50µm

Bonding: diol

%C:

End-capping: no

pH stability: 1.5 to 7.0

The diol fonction provide globally a neutral surface onto the silica.

It leads to greater separation of basic compounds by normal phase vs. regular silica.

Reusable columns

Application:

Basic compounds by normal phase
& phenolic compounds

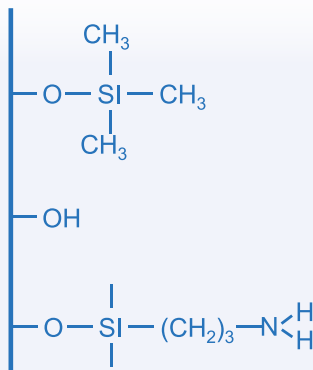
NH2

puriFlash® columns

Capacity

Selectivity

Productivity



HP - spherical

100Å - 400m²/g
30 & 50µm
Bonding: amino
%C: 4
End-capping: one-step
pH stability: 2.0 to 6.5



HC - spherical

60Å - 680m²/g
30 & 50µm
Bonding: amino
%C: 4
End-capping: n.a.
pH stability: 1.5 to 6.5

Reusable columns

Can be either weak anion exchangers for strong acids or polar media that can interact with OH, NH, SH ...

*Greater capacity vs regular amino due to its high surface area.
Strong basic organic compounds.*

Application:

Carbohydrates / polar organics compounds

/ anion & organic acids

Metal scavenger for acid chlorides, isocyanates...

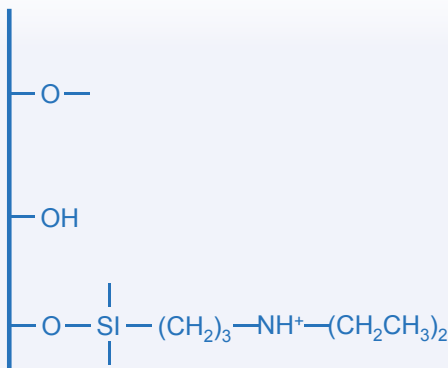
DEAP

puriFlash® columns

Capacity

Selectivity

Productivity



Granular

60Å - 500m²/g
50µm
Bonding: Diethylaminopropyl
%C: n.a.
End-capping: n.a.
pH stability: n.a.

Reusable columns

Secondary amino is a weak anion exchanger with pKa : 10.5.

Application:

Charged polar organics compounds, anions & organic acids.

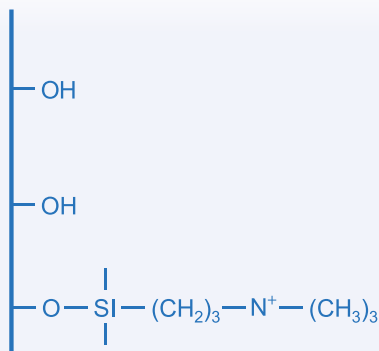
SAX

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Anionic charged & acid organic compounds



Granular

60Å - 500m²/g

50µm

Bonding: Strong Anion eXchanger - 0.3meq/g

End-capping: no

pH stability: 1.5 to 7.0

Strong anion exchanger, SAX contains quaternary amine used to extract weak acid compounds which have one or more negative charges.

Technical Tips

1. To catch

Anions Exchange : pKa of the compound of interest < pH < pKa of the sorbent

Cations Exchange : pKa of the sorbent < pH < pKa of the compound of interest

2. To release

Anions Exchange : pKa of the sorbent < pH < pKa of the compound of interest

Cations Exchange : pKa of the compound of interest < pH < pKa of the sorbent

(Typical Ionic sorbent : SCX, SAX, MM1, DEAP, NH₂, NH₂HC)

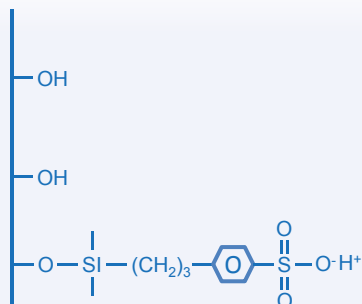
SCX

puriFlash® columns

Capacity

Selectivity

Productivity



HP - spherical

300Å - 100m²/g

50µm

Bonding: Strong Cation eXchanger - 0.3 meq/g

End-capping: no

pH stability: 1.0 to 7.5

Strong cation exchanger, SCX contains sulfonic acid that are used to extract weak basic compounds which have one or more positive charges.

Reusable columns

Application:

Cationic charged & basic organic compounds

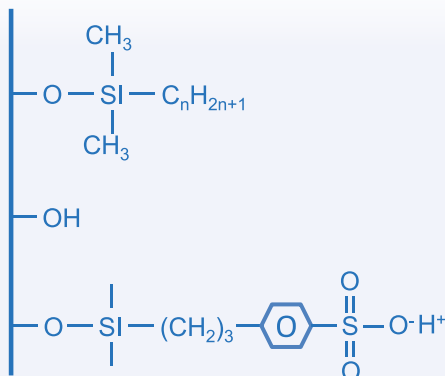
MM1

puriFlash® columns

Capacity

Selectivity

Productivity



Granular

60Å - 500m²/g

50µm

Bonding: Strong Cation eXchanger - 0.1 meq/g

End-capping: no

pH stability: 1.0 to 7.5

Ion exchange and hydrophobic chains are bonded onto the surface of silica providing unique selectivity.

Initially compounds that possess basic functionality are retained by ion exchange functionality. A washing step with an appropriate pH removes ionizable impurities. Passing an organic solvent through the column will then remove retained impurities that result from hydrophobic bonding.

Reusable columns

Application:

Mid-polar & non polar organic compounds under cationic form.

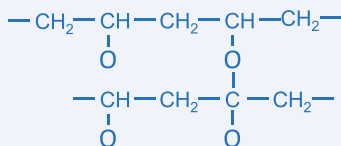
Atoll X

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Mid & non polar compounds
with $M_w < 3000$ D



Spherical pure PSDVB

100Å - 800m²/g

40µm

Bonding: no

End-capping: no

pH stability: 1.0 to 13.0

Universal polymer with high capacity ≥ 20%.

302H

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Polar to non polar compounds
with $M_w < 3000$ D



Spherical pure Polymer

100Å - 850m²/g

30µm

Bonding: no

End-capping: no

pH stability: 1.0 to 13.0

*Hydrophobic /hydrophilic interactions with Xtrem
capacity ≥ 25%.*

Alumina

puriFlash® columns

Capacity

Selectivity

Productivity



Disposable columns

Application:

Non ionic polar compounds



Neutral

60Å - 200m²/g

32/63µm

Bonding: no

End-capping: no

pH stability: 1.0 to 12.0

Natural products, Essential oils, Antibiotics, Vitamins, Alkaloids, ...

Basic

60Å - 200m²/g

32/63 µm

Bonding: no

End-capping: no

pH stability: 1.0 to 12.0

Plant extraction, organic solvent purification, Alkaloids, ...

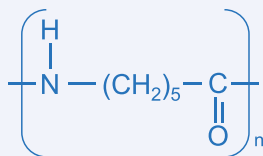
P6

puriFlash® columns

Capacity

Selectivity

Productivity



Disposable columns

Application:

Natural & Plant extracts compounds



Polyamide 6

60Å

100µm

Bonding: no

End-capping: no

pH stability: n.a.

Flavones. aromatic nitro compounds. phenols. carbonic acids, acid amides. sulphonic acids and amides of sulphonic acids, amines, quinones...

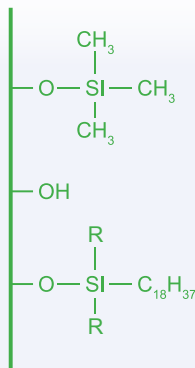
C18T_{bio}

Selectivity

puriFlash® columns

Capacity

Productivity


Reusable columns
Application:
Bio-molecules, Bio-Drugs

PP - spherical

300Å - 100m²/g

15 & 30µm

Bonding: C18

%C: 6

End-capping: one-step

pH stability: 1.5 to 8.0

Fairly hydrophobic peptides & oligopeptides up to 40 kD.
PT - spherical

200Å - 150m²/g

15 & 30µm

Bonding: C18

%C: 14

End-capping: one-step

pH stability: 1.5 to 8.0

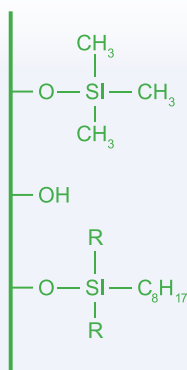
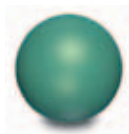
Weakly hydrophobic peptides & oligopeptides up to 50 kD.
C8_{bio}

Selectivity

puriFlash® columns

Capacity

Productivity


Reusable columns
Application:
Bio-molecules, Bio-Drugs

PP - spherical

300Å - 100m²/g

15 & 30µm

Bonding: C8

%C: 4

End-capping: one-step

pH stability: 2.0 to 7.0

Hydrophobic polypeptides & peptides up to 80 kD.
PT - spherical

200Å - 150m²/g

15 & 30µm

Bonding: C8

%C: 5

End-capping: one-step

pH stability: 2.0 to 7.0

Fairly hydrophobic peptides & oligopeptides up to 60 kD.

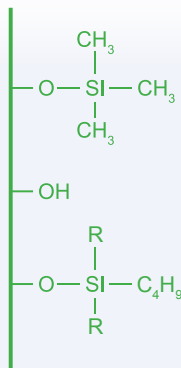
C4_{bio}

puriFlash® columns

Capacity

Selectivity

Productivity



Reusable columns

Application:

Bio-molecules, Bio-Drugs



PP - spherical

300Å - 100m²/g

15 & 30µm

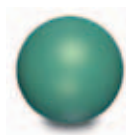
Bonding: C4

%C: 2.5

End-capping: one-step

pH stability: 2.0 to 7.0

Hydrophobic proteines & polypeptides, 50 up to 150 kD.



PT - spherical

200Å - 150m²/g

15 & 30µm

Bonding: C4

%C: 3

End-capping: one-step

pH stability: 2.0 to 7.0

Weakly hydrophobic peptides & oligopeptides up to 50 kD.

puriFlash® Columns list

- ✓ Manufactured by Interchim
- ✓ Proprietary Accurate Bed Packing Technology™
- ✓ Purification results equivalent to a Prep LC column
- ✓ Compatible with any Flash system
- ✓ Stable @ up to 22 bars* /308 psi



Spherical 15µm SiHP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HP	15µm	4G	puriFlash® Silica HP 15µm 4G Flash column	PF-15SiHP/4G	20 u
puriFlash®	Silica HP	15µm	12G	puriFlash® Silica HP 15µm 12G Flash column	PF-15SiHP/12G	20 u
puriFlash®	Silica HP	15µm	25G	puriFlash® Silica HP 15µm 25G Flash column	PF-15SiHP/25G	12 u
puriFlash®	Silica HP	15µm	40G	puriFlash® Silica HP 15µm 40G Flash column	PF-15SiHP/40G	12 u
puriFlash®	Silica HP	15µm	80G	puriFlash® Silica HP 15µm 80G Flash column	PF-15SiHP/80G	4 u
puriFlash®	Silica HP	15µm	120G	puriFlash® Silica HP 15µm 120G Flash column	PF-15SiHP/120G	4 u
puriFlash®	Silica HP	15µm	200G	puriFlash® Silica HP 15µm 200G Flash column	PF-15SiHP/200G	2 u
puriFlash®	Silica HP	15µm	300G	puriFlash® Silica HP 15µm 300G Flash column	PF-15SiHP/300G	2 u



Spherical 30µm SiHP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HP	30µm	4G	puriFlash® Silica HP 30µm 4G Flash column	PF-30SiHP/4G	40 u
puriFlash®	Silica HP	30µm	12G	puriFlash® Silica HP 30µm 12G Flash column	PF-30SiHP/12G	30 u
puriFlash®	Silica HP	30µm	25G	puriFlash® Silica HP 30µm 25G Flash column	PF-30SiHP/25G	25 u
puriFlash®	Silica HP	30µm	40G	puriFlash® Silica HP 30µm 40G Flash column	PF-30SiHP/40G	20 u
puriFlash®	Silica HP	30µm	80G	puriFlash® Silica HP 30µm 80G Flash column	PF-30SiHP/80G	10 u
puriFlash®	Silica HP	30µm	120G	puriFlash® Silica HP 30µm 120G Flash column	PF-30SiHP/120G	8 u
puriFlash®	Silica HP	30µm	200G	puriFlash® Silica HP 30µm 200G Flash column	PF-30SiHP/200G	4 u
puriFlash®	Silica HP	30µm	300G	puriFlash® Silica HP 30µm 300G Flash column	PF-30SiHP/300G	4 u
puriFlash®	Silica HP	30µm	800G	puriFlash® Silica HP 30µm 800G Flash column	PF-30SiHP/800G	1 u
puriFlash®	Silica HP	30µm	1600G	puriFlash® Silica HP 30µm 1600G Flash column	PF-30SiHP/1600G	1 u



Spherical 30µm SiHP - jumbo pack

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash® Jumbo Pack	Silica HP	30µm	4G	puriFlash® Jumbo Pack Silica HP 30µm 4G Flash column	PF-30SiHP-JP/4G	160 u
puriFlash® Jumbo Pack	Silica HP	30µm	12G	puriFlash® Jumbo Pack Silica HP 30µm 12G Flash column	PF-30SiHP-JP/12G	120 u
puriFlash® Jumbo Pack	Silica HP	30µm	25G	puriFlash® Jumbo Pack Silica HP 30µm 25G Flash column	PF-30SiHP-JP/25G	100 u
puriFlash® Jumbo Pack	Silica HP	30µm	40G	puriFlash® Jumbo Pack Silica HP 30µm 40G Flash column	PF-30SiHP-JP/40G	80 u
puriFlash® Jumbo Pack	Silica HP	30µm	80G	puriFlash® Jumbo Pack Silica HP 30µm 80G Flash column	PF-30SiHP-JP/80G	40 u
puriFlash® Jumbo Pack	Silica HP	30µm	120G	puriFlash® Jumbo Pack Silica HP 30µm 120G Flash column	PF-30SiHP-JP/120G	32 u
puriFlash® Jumbo Pack	Silica HP	30µm	200G	puriFlash® Jumbo Pack Silica HP 30µm 200G Flash column	PF-30SiHP-JP/200G	16 u
puriFlash® Jumbo Pack	Silica HP	30µm	300G	puriFlash® Jumbo Pack Silica HP 30µm 300G Flash column	PF-30SiHP-JP/300G	16 u
puriFlash® Jumbo Pack	Silica HP	30µm	800G	puriFlash® Jumbo Pack Silica HP 30µm 800G Flash column	PF-30SiHP-JP/800G	4 u
puriFlash® Jumbo Pack	Silica HP	30µm	1600G	puriFlash® Jumbo Pack Silica HP 30µm 1600G Flash column	PF-30SiHP-JP/1600G	4 u

* It depends on column size.

puriFlash® Columns list

HP
High Performance

Spherical 50µm SiHP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HP	50µm	4G	puriFlash® Silica HP 50µm 4G Flash column	PF-50SIHP/4G	40 u
puriFlash®	Silica HP	50µm	12G	puriFlash® Silica HP 50µm 12G Flash column	PF-50SIHP/12G	30 u
puriFlash®	Silica HP	50µm	25G	puriFlash® Silica HP 50µm 25G Flash column	PF-50SIHP/25G	25 u
puriFlash®	Silica HP	50µm	40G	puriFlash® Silica HP 50µm 40G Flash column	PF-50SIHP/40G	20 u
puriFlash®	Silica HP	50µm	80G	puriFlash® Silica HP 50µm 80G Flash column	PF-50SIHP/80G	10 u
puriFlash®	Silica HP	50µm	120G	puriFlash® Silica HP 50µm 120G Flash column	PF-50SIHP/120G	8 u
puriFlash®	Silica HP	50µm	200G	puriFlash® Silica HP 50µm 200G Flash column	PF-50SIHP/200G	4 u
puriFlash®	Silica HP	50µm	300G	puriFlash® Silica HP 50µm 300G Flash column	PF-50SIHP/300G	4 u
puriFlash®	Silica HP	50µm	800G	puriFlash® Silica HP 50µm 800G Flash column	PF-50SIHP/800G	1 u
puriFlash®	Silica HP	50µm	1600G	puriFlash® Silica HP 50µm 1600G Flash column	PF-50SIHP/1600G	1

HP
High Performance

Spherical 50µm SiHP - jumbo pack

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash® Jumbo Pack	Silica HP	50µm	4G	puriFlash® Jumbo Pack Silica HP 50µm 4G Flash column	PF-50SIHP-JP/4G	160 u
puriFlash® Jumbo Pack	Silica HP	50µm	12G	puriFlash® Jumbo Pack Silica HP 50µm 12G Flash column	PF-50SIHP-JP/12G	120 u
puriFlash® Jumbo Pack	Silica HP	50µm	25G	puriFlash® Jumbo Pack Silica HP 50µm 25G Flash column	PF-50SIHP-JP/25G	100 u
puriFlash® Jumbo Pack	Silica HP	50µm	40G	puriFlash® Jumbo Pack Silica HP 50µm 40G Flash column	PF-50SIHP-JP/40G	80 u
puriFlash® Jumbo Pack	Silica HP	50µm	80G	puriFlash® Jumbo Pack Silica HP 50µm 80G Flash column	PF-50SIHP-JP/80G	40 u
puriFlash® Jumbo Pack	Silica HP	50µm	120G	puriFlash® Jumbo Pack Silica HP 50µm 120G Flash column	PF-50SIHP-JP/120G	32 u
puriFlash® Jumbo Pack	Silica HP	50µm	200G	puriFlash® Jumbo Pack Silica HP 50µm 200G Flash column	PF-50SIHP-JP/200G	16 u
puriFlash® Jumbo Pack	Silica HP	50µm	300G	puriFlash® Jumbo Pack Silica HP 50µm 300G Flash column	PF-50SIHP-JP/300G	16 u
puriFlash® Jumbo Pack	Silica HP	50µm	800G	puriFlash® Jumbo Pack Silica HP 50µm 800G Flash column	PF-50SIHP-JP/800G	4 u
puriFlash® Jumbo Pack	Silica HP	50µm	1600G	puriFlash® Jumbo Pack Silica HP 50µm 1600G Flash column	PF-50SIHP-JP/1600G	4 u

HC
High Capacity

Spherical 15µm SiHC

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HC	15µm	4G	puriFlash® Silica HC 15µm 4G Flash column	PF-15SIHC/4G	20 u
puriFlash®	Silica HC	15µm	12G	puriFlash® Silica HC 15µm 12G Flash column	PF-15SIHC/12G	20 u
puriFlash®	Silica HC	15µm	25G	puriFlash® Silica HC 15µm 25G Flash column	PF-15SIHC/25G	12 u
puriFlash®	Silica HC	15µm	40G	puriFlash® Silica HC 15µm 40G Flash column	PF-15SIHC/40G	12 u
puriFlash®	Silica HC	15µm	80G	puriFlash® Silica HC 15µm 80G Flash column	PF-15SIHC/80G	4 u
puriFlash®	Silica HC	15µm	120G	puriFlash® Silica HC 15µm 120G Flash column	PF-15SIHC/120G	4 u
puriFlash®	Silica HC	15µm	200G	puriFlash® Silica HC 15µm 200G Flash column	PF-15SIHC/200G	2 u
puriFlash®	Silica HC	15µm	300G	puriFlash® Silica HC 15µm 300G Flash column	PF-15SIHC/300G	2 u

puriFlash® Columns list



Spherical 25µm SiHC

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HC	25µm	4G	puriFlash® Silica HC 25µm 4G Flash column	PF-25SiHC/4G	40 u
puriFlash®	Silica HC	25µm	12G	puriFlash® Silica HC 25µm 12G Flash column	PF-25SiHC/12G	30 u
puriFlash®	Silica HC	25µm	25G	puriFlash® Silica HC 25µm 25G Flash column	PF-25SiHC/25G	25 u
puriFlash®	Silica HC	25µm	40G	puriFlash® Silica HC 25µm 40G Flash column	PF-25SiHC/40G	20 u
puriFlash®	Silica HC	25µm	80G	puriFlash® Silica HC 25µm 80G Flash column	PF-25SiHC/80G	10 u
puriFlash®	Silica HC	25µm	120G	puriFlash® Silica HC 25µm 120G Flash column	PF-25SiHC/120G	8 u
puriFlash®	Silica HC	25µm	200G	puriFlash® Silica HC 25µm 200G Flash column	PF-25SiHC/200G	4 u
puriFlash®	Silica HC	25µm	300G	puriFlash® Silica HC 25µm 300G Flash column	PF-25SiHC/300G	4 u
puriFlash®	Silica HC	25µm	800G	puriFlash® Silica HC 25µm 800G Flash column	PF-25SiHC/800G	1 u
puriFlash®	Silica HC	25µm	1600G	puriFlash® Silica HC 25µm 1600G Flash column	PF-25SiHC/1600G	1 u



Spherical 50µm SiHC

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HC	50µm	4G	puriFlash® Silica HC 50µm 4G Flash column	PF-50SiHC/4G	40 u
puriFlash®	Silica HC	50µm	12G	puriFlash® Silica HC 50µm 12G Flash column	PF-50SiHC/12G	30 u
puriFlash®	Silica HC	50µm	25G	puriFlash® Silica HC 50µm 25G Flash column	PF-50SiHC/25G	25 u
puriFlash®	Silica HC	50µm	40G	puriFlash® Silica HC 50µm 40G Flash column	PF-50SiHC/40G	20 u
puriFlash®	Silica HC	50µm	80G	puriFlash® Silica HC 50µm 80G Flash column	PF-50SiHC/80G	10 u
puriFlash®	Silica HC	50µm	120G	puriFlash® Silica HC 50µm 120G Flash column	PF-50SiHC/120G	8 u
puriFlash®	Silica HC	50µm	200G	puriFlash® Silica HC 50µm 200G Flash column	PF-50SiHC/200G	4 u
puriFlash®	Silica HC	50µm	300G	puriFlash® Silica HC 50µm 300G Flash column	PF-50SiHC/300G	4 u
puriFlash®	Silica HC	50µm	800G	puriFlash® Silica HC 50µm 800G Flash column	PF-50SiHC/800G	1 u
puriFlash®	Silica HC	50µm	1600G	puriFlash® Silica HC 50µm 1600G Flash column	PF-50SiHC/1600G	1 u

Irregular 50µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica Standard	50µm	4G	puriFlash® Silica STD 50µm 4G Flash column	IR-50Si/4G	40 u
puriFlash®	Silica Standard	50µm	12G	puriFlash® Silica STD 50µm 12G Flash column	IR-50Si/12G	30 u
puriFlash®	Silica Standard	50µm	25G	puriFlash® Silica STD 50µm 25G Flash column	IR-50Si/25G	25 u
puriFlash®	Silica Standard	50µm	40G	puriFlash® Silica STD 50µm 40G Flash column	IR-50Si/40G	20 u
puriFlash®	Silica Standard	50µm	80G	puriFlash® Silica STD 50µm 80G Flash column	IR-50Si/80G	10 u
puriFlash®	Silica Standard	50µm	120G	puriFlash® Silica STD 50µm 120G Flash column	IR-50Si/120G	8 u
puriFlash®	Silica Standard	50µm	200G	puriFlash® Silica STD 50µm 200G Flash column	IR-50Si/200G	4 u
puriFlash®	Silica Standard	50µm	300G	puriFlash® Silica STD 50µm 300G Flash column	IR-50Si/300G	4 u
puriFlash®	Silica Standard	50µm	800G	puriFlash® Silica STD 50µm 800G Flash column	IR-50Si/800G	1 u
puriFlash®	Silica Standard	50µm	1600G	puriFlash® Silica STD 50µm 1600G Flash column	IR-50Si/1600G	1 u

puriFlash® Columns list

HP
High Performance

Spherical 50µm SiHP-AgNO₃

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Silica HP AGNO3	50µm	4G	puriFlash® Silica HP AGNO3 50µm 4G Flash column	PF-50SIAG/4G	25 u
puriFlash®	Silica HP AGNO3	50µm	12G	puriFlash® Silica HP AGNO3 50µm 12G Flash column	PF-50SIAG/12G	12 u
puriFlash®	Silica HP AGNO3	50µm	25G	puriFlash® Silica HP AGNO3 50µm 25G Flash column	PF-50SIAG/25G	12 u
puriFlash®	Silica HP AGNO3	50µm	40G	puriFlash® Silica HP AGNO3 50µm 40G Flash column	PF-50SIAG/40G	8 u
puriFlash®	Silica HP AGNO3	50µm	80G	puriFlash® Silica HP AGNO3 50µm 80G Flash column	PF-50SIAG/80G	4 u
puriFlash®	Silica HP AGNO3	50µm	120G	puriFlash® Silica HP AGNO3 50µm 120G Flash column	PF-50SIAG/120G	2 u
puriFlash®	Silica HP AGNO3	50µm	200G	puriFlash® Silica HP AGNO3 50µm 200G Flash column	PF-50SIAG/200G	1 u
puriFlash®	Silica HP AGNO3	50µm	300G	puriFlash® Silica HP AGNO3 50µm 300G Flash column	PF-50SIAG/300G	1 u
puriFlash®	Silica HP AGNO3	50µm	800G	puriFlash® Silica HP AGNO3 50µm 800G Flash column	PF-50SIAG/800G	1 u
puriFlash®	Silica HP AGNO3	50µm	1600G	puriFlash® Silica HP AGNO3 50µm 1600G Flash column	PF-50SIAG/1600G	1 u

HP
High Performance

Spherical 30µm Hilic

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Hilic	30µm	6G	puriFlash® Hilic 30µm 6G Flash column	PF-30HILIC/6G	4 u
puriFlash®	Hilic	30µm	20G	puriFlash® Hilic 30µm 20G Flash column	PF-30HILIC/20G	2 u
puriFlash®	Hilic	30µm	35G	puriFlash® Hilic 30µm 35G Flash column	PF-30HILIC/35G	1 u
puriFlash®	Hilic	30µm	55G	puriFlash® Hilic 30µm 55G Flash column	PF-30HILIC/55G	1 u
puriFlash®	Hilic	30µm	120G	puriFlash® Hilic 30µm 120G Flash column	PF-30HILIC/120G	1 u
puriFlash®	Hilic	30µm	175G	puriFlash® Hilic 30µm 175G Flash column	PF-30HILIC/175G	1 u
puriFlash®	Hilic	30µm	300G	puriFlash® Hilic 30µm 300G Flash column	PF-30HILIC/300G	1 u
puriFlash®	Hilic	30µm	450G	puriFlash® Hilic 30µm 450G Flash column	PF-30HILIC/450G	1 u
puriFlash®	Hilic	30µm	1250G	puriFlash® Hilic 30µm 1250G Flash column	PF-30HILIC/1250G	1 u
puriFlash®	Hilic	30µm	2500G	puriFlash® Hilic 30µm 2500G Flash column	PF-30HILIC/2500G	1 u

HQ
High Quality

Spherical 15µm C18HQ

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HQ	15µm	6G	puriFlash® C18HQ 15µm 6G Flash column	PF-15C18HQ/6G	4 u
puriFlash®	C18HQ	15µm	20G	puriFlash® C18HQ 15µm 20G Flash column	PF-15C18HQ/20G	2 u
puriFlash®	C18HQ	15µm	35G	puriFlash® C18HQ 15µm 35G Flash column	PF-15C18HQ/35G	1 u
puriFlash®	C18HQ	15µm	55G	puriFlash® C18HQ 15µm 55G Flash column	PF-15C18HQ/55G	1 u
puriFlash®	C18HQ	15µm	120G	puriFlash® C18HQ 15µm 120G Flash column	PF-15C18HQ/120G	1 u
puriFlash®	C18HQ	15µm	175G	puriFlash® C18HQ 15µm 175G Flash column	PF-15C18HQ/175G	1 u
puriFlash®	C18HQ	15µm	300G	puriFlash® C18HQ 15µm 300G Flash column	PF-15C18HQ/300G	1 u
puriFlash®	C18HQ	15µm	450G	puriFlash® C18HQ 15µm 450G Flash column	PF-15C18HQ/450G	1 u

puriFlash® Columns list



Spherical 15µm C18HP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HP	15µm	6G	puriFlash® C18HP 15µm 6G Flash column	PF-15C18HP/6G	4 u
puriFlash®	C18HP	15µm	20G	puriFlash® C18HP 15µm 20G Flash column	PF-15C18HP/20G	2 u
puriFlash®	C18HP	15µm	35G	puriFlash® C18HP 15µm 35G Flash column	PF-15C18HP/35G	1 u
puriFlash®	C18HP	15µm	55G	puriFlash® C18HP 15µm 55G Flash column	PF-15C18HP/55G	1 u
puriFlash®	C18HP	15µm	120G	puriFlash® C18HP 15µm 120G Flash column	PF-15C18HP/120G	1 u
puriFlash®	C18HP	15µm	175G	puriFlash® C18HP 15µm 175G Flash column	PF-15C18HP/175G	1 u
puriFlash®	C18HP	15µm	300G	puriFlash® C18HP 15µm 300G Flash column	PF-15C18HP/300G	1 u
puriFlash®	C18HP	15µm	450G	puriFlash® C18HP 15µm 450G Flash column	PF-15C18HP/450G	1 u



Spherical 30µm C18HP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HP	30µm	6G	puriFlash® C18HP 30µm 6G Flash column	PF-30C18HP/6G	4 u
puriFlash®	C18HP	30µm	20G	puriFlash® C18HP 30µm 20G Flash column	PF-30C18HP/20G	2 u
puriFlash®	C18HP	30µm	35G	puriFlash® C18HP 30µm 35G Flash column	PF-30C18HP/35G	1 u
puriFlash®	C18HP	30µm	55G	puriFlash® C18HP 30µm 55G Flash column	PF-30C18HP/55G	1 u
puriFlash®	C18HP	30µm	120G	puriFlash® C18HP 30µm 120G Flash column	PF-30C18HP/120G	1 u
puriFlash®	C18HP	30µm	175G	puriFlash® C18HP 30µm 175G Flash column	PF-30C18HP/175G	1 u
puriFlash®	C18HP	30µm	300G	puriFlash® C18HP 30µm 300G Flash column	PF-30C18HP/300G	1 u
puriFlash®	C18HP	30µm	450G	puriFlash® C18HP 30µm 450G Flash column	PF-30C18HP/450G	1 u
puriFlash®	C18HP	30µm	1250G	puriFlash® C18HP 30µm 1250G Flash column	PF-30C18HP/1250G	1 u
puriFlash®	C18HP	30µm	2500G	puriFlash® C18HP 30µm 2500G Flash column	PF-30C18HP/2500G	1 u



Spherical 50µm C18HP

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HP	50µm	6G	puriFlash® C18HP 50µm 6G Flash column	PF-50C18HP/6G	4 u
puriFlash®	C18HP	50µm	20G	puriFlash® C18HP 50µm 20G Flash column	PF-50C18HP/20G	2 u
puriFlash®	C18HP	50µm	35G	puriFlash® C18HP 50µm 35G Flash column	PF-50C18HP/35G	1 u
puriFlash®	C18HP	50µm	55G	puriFlash® C18HP 50µm 55G Flash column	PF-50C18HP/55G	1 u
puriFlash®	C18HP	50µm	120G	puriFlash® C18HP 50µm 120G Flash column	PF-50C18HP/120G	1 u
puriFlash®	C18HP	50µm	175G	puriFlash® C18HP 50µm 175G Flash column	PF-50C18HP/175G	1 u
puriFlash®	C18HP	50µm	300G	puriFlash® C18HP 50µm 300G Flash column	PF-50C18HP/300G	1 u
puriFlash®	C18HP	50µm	450G	puriFlash® C18HP 50µm 450G Flash column	PF-50C18HP/450G	1 u
puriFlash®	C18HP	50µm	1250G	puriFlash® C18HP 50µm 1250G Flash column	PF-50C18HP/1250G	1 u
puriFlash®	C18HP	50µm	2500G	puriFlash® C18HP 50µm 2500G Flash column	PF-50C18HP/2500G	1 u

puriFlash® Columns list



Spherical 15µm C18HC

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HC	15µm	6G	puriFlash® C18HC 15µm 6G Flash column	PF-15C18HC/6G	4 u
puriFlash®	C18HC	15µm	20G	puriFlash® C18HC 15µm 20G Flash column	PF-15C18HC/20G	2 u
puriFlash®	C18HC	15µm	35G	puriFlash® C18HC 15µm 35G Flash column	PF-15C18HC/35G	1 u
puriFlash®	C18HC	15µm	55G	puriFlash® C18HC 15µm 55G Flash column	PF-15C18HC/55G	1 u
puriFlash®	C18HC	15µm	120G	puriFlash® C18HC 15µm 120G Flash column	PF-15C18HC/120G	1 u
puriFlash®	C18HC	15µm	175G	puriFlash® C18HC 15µm 175G Flash column	PF-15C18HC/175G	1 u
puriFlash®	C18HC	15µm	300G	puriFlash® C18HC 15µm 300G Flash column	PF-15C18HC/300G	1 u
puriFlash®	C18HC	15µm	450G	puriFlash® C18HC 15µm 450G Flash column	PF-15C18HC/450G	1 u



Spherical 30µm C18HC

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18HC	30µm	6G	puriFlash® C18HC 30µm 6G Flash column	PF-30C18HC/6G	4 u
puriFlash®	C18HC	30µm	20G	puriFlash® C18HC 30µm 20G Flash column	PF-30C18HC/20G	2 u
puriFlash®	C18HC	30µm	35G	puriFlash® C18HC 30µm 35G Flash column	PF-30C18HC/35G	1 u
puriFlash®	C18HC	30µm	55G	puriFlash® C18HC 30µm 55G Flash column	PF-30C18HC/55G	1 u
puriFlash®	C18HC	30µm	120G	puriFlash® C18HC 30µm 120G Flash column	PF-30C18HC/120G	1 u
puriFlash®	C18HC	30µm	175G	puriFlash® C18HC 30µm 175G Flash column	PF-30C18HC/175G	1 u
puriFlash®	C18HC	30µm	300G	puriFlash® C18HC 30µm 300G Flash column	PF-30C18HC/300G	1 u
puriFlash®	C18HC	30µm	450G	puriFlash® C18HC 30µm 450G Flash column	PF-30C18HC/450G	1 u
puriFlash®	C18HC	30µm	1250G	puriFlash® C18HC 30µm 1250G Flash column	PF-30C18HC/1250G	1 u
puriFlash®	C18HC	30µm	2500G	puriFlash® C18HC 30µm 2500G Flash column	PF-30C18HC/2500G	1 u



Spherical 15µm C18XS - pH Stable

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
PuriFlash®	C18XS pH Stable	15 µm	6G	puriFlash® C18XS 15 µm 6G Flash column	PF-15C18XS/6G	4 u
PuriFlash®	C18XS pH Stable	15 µm	20G	puriFlash® C18XS 15 µm 20G Flash column	PF-15C18XS/20G	2 u
PuriFlash®	C18XS pH Stable	15 µm	35G	puriFlash® C18XS 15 µm 35G Flash column	PF-15C18XS/35G	1 u
PuriFlash®	C18XS pH Stable	15 µm	55G	puriFlash® C18XS 15 µm 55G Flash column	PF-15C18XS/55G	1 u
PuriFlash®	C18XS pH Stable	15 µm	120G	puriFlash® C18XS 15 µm 120G Flash column	PF-15C18XS/120G	1 u
PuriFlash®	C18XS pH Stable	15 µm	175G	puriFlash® C18XS 15 µm 175G Flash column	PF-15C18XS/175G	1 u
PuriFlash®	C18XS pH Stable	15 µm	300G	puriFlash® C18XS 15 µm 300G Flash column	PF-15C18XS/300G	1 u
PuriFlash®	C18XS pH Stable	15 µm	450G	puriFlash® C18XS 15 µm 450G Flash column	PF-15C18XS/450G	1 u

puriFlash® Columns list



Spherical 30µm C18XS - pH Stable

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
PuriFlash®	C18XS pH Stable	30 µm	6G	puriFlash® C18XS 30 µm 6G Flash column	PF-30C18XS/6G	4 u
PuriFlash®	C18XS pH Stable	30 µm	20G	puriFlash® C18XS 30 µm 20G Flash column	PF-30C18XS/20G	2 u
PuriFlash®	C18XS pH Stable	30 µm	35G	puriFlash® C18XS 30 µm 35G Flash column	PF-30C18XS/35G	1 u
PuriFlash®	C18XS pH Stable	30 µm	55G	puriFlash® C18XS 30 µm 55G Flash column	PF-30C18XS/55G	1 u
PuriFlash®	C18XS pH Stable	30 µm	120G	puriFlash® C18XS 30 µm 120G Flash column	PF-30C18XS/120G	1 u
PuriFlash®	C18XS pH Stable	30 µm	175G	puriFlash® C18XS 30 µm 175G Flash column	PF-30C18XS/175G	1 u
PuriFlash®	C18XS pH Stable	30 µm	300G	puriFlash® C18XS 30 µm 300G Flash column	PF-30C18XS/300G	1 u
PuriFlash®	C18XS pH Stable	30 µm	450G	puriFlash® C18XS 30 µm 450G Flash column	PF-30C18XS/450G	1 u
PuriFlash®	C18XS pH Stable	30 µm	1250G	puriFlash® C18XS 30 µm 1250G Flash column	PF-30C18XS/1250G	1 u
PuriFlash®	C18XS pH Stable	30 µm	2500G	puriFlash® C18XS 30 µm 2500G Flash column	PF-30C18XS/2500G	1 u

Irregular 50µm C18

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18 Standard	50µm	6G	puriFlash® C18 STD 50µm 6G Flash column	IR-50C18/6G	4 u
puriFlash®	C18 Standard	50µm	20G	puriFlash® C18 STD 50µm 20G Flash column	IR-50C18/20G	2 u
puriFlash®	C18 Standard	50µm	35G	puriFlash® C18 STD 50µm 35G Flash column	IR-50C18/35G	1 u
puriFlash®	C18 Standard	50µm	55G	puriFlash® C18 STD 50µm 55G Flash column	IR-50C18/55G	1 u
puriFlash®	C18 Standard	50µm	120G	puriFlash® C18 STD 50µm 120G Flash column	IR-50C18/120G	1 u
puriFlash®	C18 Standard	50µm	175G	puriFlash® C18 STD 50µm 175G Flash column	IR-50C18/175G	1 u
puriFlash®	C18 Standard	50µm	300G	puriFlash® C18 STD 50µm 300G Flash column	IR-50C18/300G	1 u
puriFlash®	C18 Standard	50µm	450G	puriFlash® C18 STD 50µm 450G Flash column	IR-50C18/450G	1 u
puriFlash®	C18 Standard	50µm	1250G	puriFlash® C18 STD 50µm 1250G Flash column	IR-50C18/1250G	1 u
puriFlash®	C18 Standard	50µm	2500G	puriFlash® C18 STD 50µm 2500G Flash column	IR-50C18/2500G	1 u



Spherical 15µm C18AQ

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18AQ	15µm	6G	puriFlash® C18AQ 15µm 6G Flash column	PF-15C18AQ/6G	4 u
puriFlash®	C18AQ	15µm	20G	puriFlash® C18AQ 15µm 20G Flash column	PF-15C18AQ/20G	2 u
puriFlash®	C18AQ	15µm	35G	puriFlash® C18AQ 15µm 35G Flash column	PF-15C18AQ/35G	1 u
puriFlash®	C18AQ	15µm	55G	puriFlash® C18AQ 15µm 55G Flash column	PF-15C18AQ/55G	1 u
puriFlash®	C18AQ	15µm	120G	puriFlash® C18AQ 15µm 120G Flash column	PF-15C18AQ/120G	1 u
puriFlash®	C18AQ	15µm	175G	puriFlash® C18AQ 15µm 175G Flash column	PF-15C18AQ/175G	1 u
puriFlash®	C18AQ	15µm	300G	puriFlash® C18AQ 15µm 300G Flash column	PF-15C18AQ/300G	1 u
puriFlash®	C18AQ	15µm	450G	puriFlash® C18AQ 15µm 450G Flash column	PF-15C18AQ/450G	1 u

puriFlash® Columns list



Spherical 30µm C18AQ

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	C18AQ	30µm	6G	puriFlash® C18AQ 30µm 6G Flash column	PF-30C18AQ/6G	4 u
puriFlash®	C18AQ	30µm	20G	puriFlash® C18AQ 30µm 20G Flash column	PF-30C18AQ/20G	2 u
puriFlash®	C18AQ	30µm	35G	puriFlash® C18AQ 30µm 35G Flash column	PF-30C18AQ/35G	1 u
puriFlash®	C18AQ	30µm	55G	puriFlash® C18AQ 30µm 55G Flash column	PF-30C18AQ/55G	1 u
puriFlash®	C18AQ	30µm	120G	puriFlash® C18AQ 30µm 120G Flash column	PF-30C18AQ/120G	1 u
puriFlash®	C18AQ	30µm	175G	puriFlash® C18AQ 30µm 175G Flash column	PF-30C18AQ/175G	1 u
puriFlash®	C18AQ	30µm	300G	puriFlash® C18AQ 30µm 300G Flash column	PF-30C18AQ/300G	1 u
puriFlash®	C18AQ	30µm	450G	puriFlash® C18AQ 30µm 450G Flash column	PF-30C18AQ/450G	1 u
puriFlash®	C18AQ	30µm	1250G	puriFlash® C18AQ 30µm 1250G Flash column	PF-30C18AQ/1250G	1 u
puriFlash®	C18AQ	30µm	2500G	puriFlash® C18AQ 30µm 2500G Flash column	PF-30C18AQ/2500G	1 u



Spherical 15µm RPAQ

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	RPAQ	15µm	6G	puriFlash® RPAQ 15µm 6G Flash column	PF-15RPAQ/6G	4 u
puriFlash®	RPAQ	15µm	20G	puriFlash® RPAQ 15µm 20G Flash column	PF-15RPAQ/20G	2 u
puriFlash®	RPAQ	15µm	35G	puriFlash® RPAQ 15µm 35G Flash column	PF-15RPAQ/35G	1 u
puriFlash®	RPAQ	15µm	55G	puriFlash® RPAQ 15µm 55G Flash column	PF-15RPAQ/55G	1 u
puriFlash®	RPAQ	15µm	120G	puriFlash® RPAQ 15µm 120G Flash column	PF-15RPAQ/120G	1 u
puriFlash®	RPAQ	15µm	175G	puriFlash® RPAQ 15µm 175G Flash column	PF-15RPAQ/175G	1 u
puriFlash®	RPAQ	15µm	300G	puriFlash® RPAQ 15µm 300G Flash column	PF-15RPAQ/300G	1 u
puriFlash®	RPAQ	15µm	450G	puriFlash® RPAQ 15µm 450G Flash column	PF-15RPAQ/450G	1 u



Spherical 30µm RPAQ

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	RPAQ	30µm	6G	puriFlash® RPAQ 30µm 6G Flash column	PF-30RPAQ/6G	4 u
puriFlash®	RPAQ	30µm	20G	puriFlash® RPAQ 30µm 20G Flash column	PF-30RPAQ/20G	2 u
puriFlash®	RPAQ	30µm	35G	puriFlash® RPAQ 30µm 35G Flash column	PF-30RPAQ/35G	1 u
puriFlash®	RPAQ	30µm	55G	puriFlash® RPAQ 30µm 55G Flash column	PF-30RPAQ/55G	1 u
puriFlash®	RPAQ	30µm	120G	puriFlash® RPAQ 30µm 120G Flash column	PF-30RPAQ/120G	1 u
puriFlash®	RPAQ	30µm	175G	puriFlash® RPAQ 30µm 175G Flash column	PF-30RPAQ/175G	1 u
puriFlash®	RPAQ	30µm	300G	puriFlash® RPAQ 30µm 300G Flash column	PF-30RPAQ/300G	1 u
puriFlash®	RPAQ	30µm	450G	puriFlash® RPAQ 30µm 450G Flash column	PF-30RPAQ/450G	1 u
puriFlash®	RPAQ	30µm	1250G	puriFlash® RPAQ 30µm 1250G Flash column	PF-30RPAQ/1250G	1 u
puriFlash®	RPAQ	30µm	2500G	puriFlash® RPAQ 30µm 2500G Flash column	PF-30RPAQ/2500G	1 u

puriFlash® Columns list



Spherical 30µm NH2 - amino

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	NH2 - amino	30µm	6G	puriFlash® NH2 30µm 6G Flash column	PF-30NH2/6G	4 u
puriFlash®	NH2 - amino	30µm	20G	puriFlash® NH2 30µm 20G Flash column	PF-30NH2/20G	2 u
puriFlash®	NH2 - amino	30µm	35G	puriFlash® NH2 30µm 35G Flash column	PF-30NH2/35G	1 u
puriFlash®	NH2 - amino	30µm	55G	puriFlash® NH2 30µm 55G Flash column	PF-30NH2/55G	1 u
puriFlash®	NH2 - amino	30µm	120G	puriFlash® NH2 30µm 120G Flash column	PF-30NH2/120G	1 u
puriFlash®	NH2 - amino	30µm	175G	puriFlash® NH2 30µm 175G Flash column	PF-30NH2/175G	1 u
puriFlash®	NH2 - amino	30µm	300G	puriFlash® NH2 30µm 300G Flash column	PF-30NH2/300G	1 u
puriFlash®	NH2 - amino	30µm	450G	puriFlash® NH2 30µm 450G Flash column	PF-30NH2/450G	1 u
puriFlash®	NH2 - amino	30µm	1250G	puriFlash® NH2 30µm 1250G Flash column	PF-30NH2/1250G	1 u
puriFlash®	NH2 - amino	30µm	2500G	puriFlash® NH2 30µm 2500G Flash column	PF-30NH2/2500G	1 u



Spherical 50µm NH2 - amino

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	NH2 - amino	50µm	6G	puriFlash® NH2 50µm 6G Flash column	PF-50NH2/6G	4 u
puriFlash®	NH2 - amino	50µm	20G	puriFlash® NH2 50µm 20G Flash column	PF-50NH2/20G	2 u
puriFlash®	NH2 - amino	50µm	35G	puriFlash® NH2 50µm 35G Flash column	PF-50NH2/35G	1 u
puriFlash®	NH2 - amino	50µm	55G	puriFlash® NH2 50µm 55G Flash column	PF-50NH2/55G	1 u
puriFlash®	NH2 - amino	50µm	120G	puriFlash® NH2 50µm 120G Flash column	PF-50NH2/120G	1 u
puriFlash®	NH2 - amino	50µm	175G	puriFlash® NH2 50µm 175G Flash column	PF-50NH2/175G	1 u
puriFlash®	NH2 - amino	50µm	300G	puriFlash® NH2 50µm 300G Flash column	PF-50NH2/300G	1 u
puriFlash®	NH2 - amino	50µm	450G	puriFlash® NH2 50µm 450G Flash column	PF-50NH2/450G	1 u
puriFlash®	NH2 - amino	50µm	1250G	puriFlash® NH2 50µm 1250G Flash column	PF-50NH2/1250G	1 u
puriFlash®	NH2 - amino	50µm	2500G	puriFlash® NH2 50µm 2500G Flash column	PF-50NH2/2500G	1 u



Spherical 50µm NH2HC - amino

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	NH2HC - amino	50µm	6G	puriFlash® NH2HC 50µm 6G Flash column	PF-50NH2HC/6G	4 u
puriFlash®	NH2HC - amino	50µm	20G	puriFlash® NH2HC 50µm 20G Flash column	PF-50NH2HC/20G	2 u
puriFlash®	NH2HC - amino	50µm	35G	puriFlash® NH2HC 50µm 35G Flash column	PF-50NH2HC/35G	1 u
puriFlash®	NH2HC - amino	50µm	55G	puriFlash® NH2HC 50µm 55G Flash column	PF-50NH2HC/55G	1 u
puriFlash®	NH2HC - amino	50µm	120G	puriFlash® NH2HC 50µm 120G Flash column	PF-50NH2HC/120G	1 u
puriFlash®	NH2HC - amino	50µm	175G	puriFlash® NH2HC 50µm 175G Flash column	PF-50NH2HC/175G	1 u
puriFlash®	NH2HC - amino	50µm	300G	puriFlash® NH2HC 50µm 300G Flash column	PF-50NH2HC/300G	1 u
puriFlash®	NH2HC - amino	50µm	450G	puriFlash® NH2HC 50µm 450G Flash column	PF-50NH2HC/450G	1 u
puriFlash®	NH2HC - amino	50µm	1250G	puriFlash® NH2HC 50µm 1250G Flash column	PF-50NH2HC/1250G	1 u
puriFlash®	NH2HC - amino	50µm	2500G	puriFlash® NH2HC 50µm 2500G Flash column	PF-50NH2HC/2500G	1 u

puriFlash® Columns list

Irregular 50µm DEAP - diethylaminopropyl

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	DEAP - Diethylaminopropyl	50µm	6G	puriFlash® DEAP 50µm 6G Flash column	PF-50DEAP/6G	6 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	20G	puriFlash® DEAP 50µm 20G Flash column	PF-50DEAP/20G	6 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	35G	puriFlash® DEAP 50µm 35G Flash column	PF-50DEAP/35G	6 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	55G	puriFlash® DEAP 50µm 55G Flash column	PF-50DEAP/55G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	120G	puriFlash® DEAP 50µm 120G Flash column	PF-50DEAP/120G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	175G	puriFlash® DEAP 50µm 175G Flash column	PF-50DEAP/175G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	300G	puriFlash® DEAP 50µm 300G Flash column	PF-50DEAP/300G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	450G	puriFlash® DEAP 50µm 450G Flash column	PF-50DEAP/450G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	1250G	puriFlash® DEAP 50µm 1250G Flash column	PF-50DEAP/1250G	1 u
puriFlash®	DEAP - Diethylaminopropyl	50µm	2500G	puriFlash® DEAP 50µm 2500G Flash column	PF-50DEAP/2500G	1 u



Spherical 30µm Diol

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Diol	30µm	6G	puriFlash® DIOL 30µm 6G Flash column	PF-30DIOL/6G	4 u
puriFlash®	Diol	30µm	20G	puriFlash® DIOL 30µm 20G Flash column	PF-30DIOL/20G	2 u
puriFlash®	Diol	30µm	35G	puriFlash® DIOL 30µm 35G Flash column	PF-30DIOL/35G	1 u
puriFlash®	Diol	30µm	55G	puriFlash® DIOL 30µm 55G Flash column	PF-30DIOL/55G	1 u
puriFlash®	Diol	30µm	120G	puriFlash® DIOL 30µm 120G Flash column	PF-30DIOL/120G	1 u
puriFlash®	Diol	30µm	175G	puriFlash® DIOL 30µm 175G Flash column	PF-30DIOL/175G	1 u
puriFlash®	Diol	30µm	300G	puriFlash® DIOL 30µm 300G Flash column	PF-30DIOL/300G	1 u
puriFlash®	Diol	30µm	450G	puriFlash® DIOL 30µm 450G Flash column	PF-30DIOL/450G	1 u
puriFlash®	Diol	30µm	1250G	puriFlash® DIOL 30µm 1250G Flash column	PF-30DIOL/1250G	1 u
puriFlash®	Diol	30µm	2500G	puriFlash® DIOL 30µm 2500G Flash column	PF-30DIOL/2500G	1 u



Spherical 50µm Diol

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Diol	50µm	6G	puriFlash® DIOL 50µm 6G Flash column	PF-50DIOL/6G	4 u
puriFlash®	Diol	50µm	20G	puriFlash® DIOL 50µm 20G Flash column	PF-50DIOL/20G	2 u
puriFlash®	Diol	50µm	35G	puriFlash® DIOL 50µm 35G Flash column	PF-50DIOL/35G	1 u
puriFlash®	Diol	50µm	55G	puriFlash® DIOL 50µm 55G Flash column	PF-50DIOL/55G	1 u
puriFlash®	Diol	50µm	120G	puriFlash® DIOL 50µm 120G Flash column	PF-50DIOL/120G	1 u
puriFlash®	Diol	50µm	175G	puriFlash® DIOL 50µm 175G Flash column	PF-50DIOL/175G	1 u
puriFlash®	Diol	50µm	300G	puriFlash® DIOL 50µm 300G Flash column	PF-50DIOL/300G	1 u
puriFlash®	Diol	50µm	450G	puriFlash® DIOL 50µm 450G Flash column	PF-50DIOL/450G	1 u
puriFlash®	Diol	50µm	1250G	puriFlash® DIOL 50µm 1250G Flash column	PF-50DIOL/1250G	1 u
puriFlash®	Diol	50µm	2500G	puriFlash® DIOL 50µm 2500G Flash column	PF-50DIOL/2500G	1 u

puriFlash® Columns list



Spherical 50µm CN - Cyano

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	CN - cyano	50µm	6G	puriFlash® CN 50µm 6G Flash column	PF-50CN/6G	4 u
puriFlash®	CN - cyano	50µm	20G	puriFlash® CN 50µm 20G Flash column	PF-50CN/20G	2 u
puriFlash®	CN - cyano	50µm	35G	puriFlash® CN 50µm 35G Flash column	PF-50CN/35G	1 u
puriFlash®	CN - cyano	50µm	55G	puriFlash® CN 50µm 55G Flash column	PF-50CN/55G	1 u
puriFlash®	CN - cyano	50µm	120G	puriFlash® CN 50µm 120G Flash column	PF-50CN/120G	1 u
puriFlash®	CN - cyano	50µm	175G	puriFlash® CN 50µm 175G Flash column	PF-50CN/175G	1 u
puriFlash®	CN - cyano	50µm	300G	puriFlash® CN 50µm 300G Flash column	PF-50CN/300G	1 u
puriFlash®	CN - cyano	50µm	450G	puriFlash® CN 50µm 450G Flash column	PF-50CN/450G	1 u
puriFlash®	CN - cyano	50µm	1250G	puriFlash® CN 50µm 1250G Flash column	PF-50CN/1250G	1 u
puriFlash®	CN - cyano	50µm	2500G	puriFlash® CN 50µm 2500G Flash column	PF-50CN/2500G	1 u

Irregular 50µm MM1 - mixed mode

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	MM1 - mixed mode	50µm	6G	puriFlash® MM1 50µm 6G Flash column	PF-50MM1/6G	4 u
puriFlash®	MM1 - mixed mode	50µm	20G	puriFlash® MM1 50µm 20G Flash column	PF-50MM1/20G	2 u
puriFlash®	MM1 - mixed mode	50µm	35G	puriFlash® MM1 50µm 35G Flash column	PF-50MM1/35G	1 u
puriFlash®	MM1 - mixed mode	50µm	55G	puriFlash® MM1 50µm 55G Flash column	PF-50MM1/55G	1 u
puriFlash®	MM1 - mixed mode	50µm	120G	puriFlash® MM1 50µm 120G Flash column	PF-50MM1/120G	1 u
puriFlash®	MM1 - mixed mode	50µm	175G	puriFlash® MM1 50µm 175G Flash column	PF-50MM1/175G	1 u
puriFlash®	MM1 - mixed mode	50µm	300G	puriFlash® MM1 50µm 300G Flash column	PF-50MM1/300G	1 u
puriFlash®	MM1 - mixed mode	50µm	450G	puriFlash® MM1 50µm 450G Flash column	PF-50MM1/450G	1 u
puriFlash®	MM1 - mixed mode	50µm	1250G	puriFlash® MM1 50µm 1250G Flash column	PF-50MM1/1250G	1 u
puriFlash®	MM1 - mixed mode	50µm	2500G	puriFlash® MM1 50µm 2500G Flash column	PF-50MM1/2500G	1 u



Spherical 50µm SCX - strong cation exchanger

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	SCX - strong cation exchanger	50µm	6G	puriFlash® SCX 50µm 6G Flash column	PF-50SCX/6G	4 u
puriFlash®	SCX - strong cation exchanger	50µm	20G	puriFlash® SCX 50µm 20G Flash column	PF-50SCX/20G	2 u
puriFlash®	SCX - strong cation exchanger	50µm	35G	puriFlash® SCX 50µm 35G Flash column	PF-50SCX/35G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	55G	puriFlash® SCX 50µm 55G Flash column	PF-50SCX/55G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	120G	puriFlash® SCX 50µm 120G Flash column	PF-50SCX/120G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	175G	puriFlash® SCX 50µm 175G Flash column	PF-50SCX/175G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	300G	puriFlash® SCX 50µm 300G Flash column	PF-50SCX/300G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	450G	puriFlash® SCX 50µm 450G Flash column	PF-50SCX/450G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	1250G	puriFlash® SCX 50µm 1250G Flash column	PF-50SCX/1250G	1 u
puriFlash®	SCX - strong cation exchanger	50µm	2500G	puriFlash® SCX 50µm 2500G Flash column	PF-50SCX/2500G	1 u

puriFlash® Columns list

Irregular 50µm SAX - strong anion exchanger

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	SAX - strong anion exchanger	50µm	6G	puriFlash® SAX 50µm 6G Flash column	PF-50SAX/6G	4 u
puriFlash®	SAX - strong anion exchanger	50µm	20G	puriFlash® SAX 50µm 20G Flash column	PF-50SAX/20G	2 u
puriFlash®	SAX - strong anion exchanger	50µm	35G	puriFlash® SAX 50µm 35G Flash column	PF-50SAX/35G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	55G	puriFlash® SAX 50µm 55G Flash column	PF-50SAX/55G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	120G	puriFlash® SAX 50µm 120G Flash column	PF-50SAX/120G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	175G	puriFlash® SAX 50µm 175G Flash column	PF-50SAX/175G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	300G	puriFlash® SAX 50µm 300G Flash column	PF-50SAX/300G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	450G	puriFlash® SAX 50µm 450G Flash column	PF-50SAX/450G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	1250G	puriFlash® SAX 50µm 1250G Flash column	PF-50SAX/1250G	1 u
puriFlash®	SAX - strong anion exchanger	50µm	2500G	puriFlash® SAX 50µm 2500G Flash column	PF-50SAX/2500G	1 u

Polymer X 40µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Polymer X	40µm	2G	puriFlash® X 40µm 2G Flash column	PF-X/2G	4 u
puriFlash®	Polymer X	40µm	7G	puriFlash® X 40µm 7G Flash column	PF-X/7G	2 u
puriFlash®	Polymer X	40µm	10G	puriFlash® X 40µm 10G Flash column	PF-X/10G	1 u
puriFlash®	Polymer X	40µm	18G	puriFlash® X 40µm 18G Flash column	PF-X/18G	1 u
puriFlash®	Polymer X	40µm	40G	puriFlash® X 40µm 40G Flash column	PF-X/40G	1 u
puriFlash®	Polymer X	40µm	55G	puriFlash® X 40µm 55G Flash column	PF-X/55G	1 u
puriFlash®	Polymer X	40µm	100G	puriFlash® X 40µm 100G Flash column	PF-X/100G	1 u
puriFlash®	Polymer X	40µm	150G	puriFlash® X 40µm 150G Flash column	PF-X/150G	1 u
puriFlash®	Polymer X	40µm	400G	puriFlash® X 40µm 400G Flash column	PF-X/400G	1 u
puriFlash®	Polymer X	40µm	800G	puriFlash® X 40µm 800G Flash column	PF-X/800G	1 u

Polymer 302H 30µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Polymer 302H	30µm	2G	puriFlash® 302H 30µm 2G Flash column	PF-302H/2G	4 u
puriFlash®	Polymer 302H	30µm	7G	puriFlash® 302H 30µm 7G Flash column	PF-302H/7G	2 u
puriFlash®	Polymer 302H	30µm	10G	puriFlash® 302H 30µm 10G Flash column	PF-302H/10G	1 u
puriFlash®	Polymer 302H	30µm	18G	puriFlash® 302H 30µm 18G Flash column	PF-302H/18G	1 u
puriFlash®	Polymer 302H	30µm	40G	puriFlash® 302H 30µm 40G Flash column	PF-302H/40G	1 u
puriFlash®	Polymer 302H	30µm	55G	puriFlash® 302H 30µm 55G Flash column	PF-302H/55G	1 u
puriFlash®	Polymer 302H	30µm	100G	puriFlash® 302H 30µm 100G Flash column	PF-302H/100G	1 u
puriFlash®	Polymer 302H	30µm	150G	puriFlash® 302H 30µm 150G Flash column	PF-302H/150G	1 u
puriFlash®	Polymer 302H	30µm	400G	puriFlash® 302H 30µm 400G Flash column	PF-302H/400G	1 u
puriFlash®	Polymer 302H	30µm	800G	puriFlash® 302H 30µm 800G Flash column	PF-302H/800G	1 u

puriFlash® Columns list

Polyamide P6 100µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	P6 - polyamide 6	100µm	2G	puriFlash® P6 100µm 2G Flash column	PF-100P6/2G	4 u
puriFlash®	P6 - polyamide 6	100µm	8G	puriFlash® P6 100µm 8G Flash column	PF-100P6/8G	2 u
puriFlash®	P6 - polyamide 6	100µm	12G	puriFlash® P6 100µm 12G Flash column	PF-100P6/12G	2 u
puriFlash®	P6 - polyamide 6	100µm	20G	puriFlash® P6 100µm 20G Flash column	PF-100P6/20G	2 u
puriFlash®	P6 - polyamide 6	100µm	45G	puriFlash® P6 100µm 45G Flash column	PF-100P6/45G	1 u
puriFlash®	P6 - polyamide 6	100µm	65G	puriFlash® P6 100µm 65G Flash column	PF-100P6/65G	1 u
puriFlash®	P6 - polyamide 6	100µm	115G	puriFlash® P6 100µm 115G Flash column	PF-100P6/115G	1 u
puriFlash®	P6 - polyamide 6	100µm	175G	puriFlash® P6 100µm 175G Flash column	PF-100P6/175G	1 u
puriFlash®	P6 - polyamide 6	100µm	465G	puriFlash® P6 100µm 465G Flash column	PF-100P6/465G	1 u
puriFlash®	P6 - polyamide 6	100µm	940G	puriFlash® P6 100µm 940G Flash column	PF-100P6/940G	1 u

Alumina Neutral 32/63µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Alumina N	32/63µm	7G	puriFlash® Alumine N 32/63µm 7G Flash column	PF-ALN/7G	8 u
puriFlash®	Alumina N	32/63µm	25G	puriFlash® Alumine N 32/63µm 25G Flash column	PF-ALN/25G	4 u
puriFlash®	Alumina N	32/63µm	40G	puriFlash® Alumine N 32/63µm 40G Flash column	PF-ALN/40G	4 u
puriFlash®	Alumina N	32/63µm	65G	puriFlash® Alumine N 32/63µm 65G Flash column	PF-ALN/65G	4 u
puriFlash®	Alumina N	32/63µm	135G	puriFlash® Alumine N 32/63µm 135G Flash column	PF-ALN/135G	2 u
puriFlash®	Alumina N	32/63µm	200G	puriFlash® Alumine N 32/63µm 200G Flash column	PF-ALN/200G	2 u
puriFlash®	Alumina N	32/63µm	355G	puriFlash® Alumine N 32/63µm 355G Flash column	PF-ALN/355G	2 u
puriFlash®	Alumina N	32/63µm	550G	puriFlash® Alumine N 32/63µm 550G Flash column	PF-ALN/550G	1 u
puriFlash®	Alumina N	32/63µm	1445G	puriFlash® Alumine N 32/63µm 1445G Flash column	PF-ALN/1445G	1 u
puriFlash®	Alumina N	32/63µm	2900G	puriFlash® Alumine N 32/63µm 2900G Flash column	PF-ALN/2900G	1 u

Alumina Basic 32/63µm

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Alumina B	32/63µm	7G	puriFlash® Alumine B 32/63µm 7G Flash column	PF-ALB/7G	8 u
puriFlash®	Alumina B	32/63µm	25G	puriFlash® Alumine B 32/63µm 25G Flash column	PF-ALB/25G	4 u
puriFlash®	Alumina B	32/63µm	40G	puriFlash® Alumine B 32/63µm 40G Flash column	PF-ALB/40G	4 u
puriFlash®	Alumina B	32/63µm	65G	puriFlash® Alumine B 32/63µm 65G Flash column	PF-ALB/65G	4 u
puriFlash®	Alumina B	32/63µm	135G	puriFlash® Alumine B 32/63µm 135G Flash column	PF-ALB/135G	2 u
puriFlash®	Alumina B	32/63µm	200G	puriFlash® Alumine B 32/63µm 200G Flash column	PF-ALB/200G	2 u
puriFlash®	Alumina B	32/63µm	355G	puriFlash® Alumine B 32/63µm 355G Flash column	PF-ALB/355G	2 u
puriFlash®	Alumina B	32/63µm	550G	puriFlash® Alumine B 32/63µm 550G Flash column	PF-ALB/550G	1 u
puriFlash®	Alumina B	32/63µm	1445G	puriFlash® Alumine B 32/63µm 1445G Flash column	PF-ALB/1445G	1 u
puriFlash®	Alumina B	32/63µm	2900G	puriFlash® Alumine B 32/63µm 2900G Flash column	PF-ALB/2900G	1 u

Activated Carbon

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Activated Carbon		3G	puriFlash® Activated Carbon 3G Flash column	PF-AC/3G	16 u
puriFlash®	Activated Carbon		10G	puriFlash® Activated Carbon 10G Flash column	PF-AC/10G	8 u
puriFlash®	Activated Carbon		18G	puriFlash® Activated Carbon 18G Flash column	PF-AC/18G	8 u
puriFlash®	Activated Carbon		30G	puriFlash® Activated Carbon 30G Flash column	PF-AC/30G	8 u
puriFlash®	Activated Carbon		60G	puriFlash® Activated Carbon 60G Flash column	PF-AC/60G	4 u
puriFlash®	Activated Carbon		90G	puriFlash® Activated Carbon 90G Flash column	PF-AC/90G	4 u
puriFlash®	Activated Carbon		160G	puriFlash® Activated Carbon 160G Flash column	PF-AC/160G	4 u
puriFlash®	Activated Carbon		250G	puriFlash® Activated Carbon 250G Flash column	PF-AC/250G	2 u
puriFlash®	Activated Carbon		650G	puriFlash® Activated Carbon 650G Flash column	PF-AC/650G	1 u
puriFlash®	Activated Carbon		1300G	puriFlash® Activated Carbon 1300G Flash column	PF-AC/1300G	1 u

puriFlash® Columns list

Bio Purification 200Å 15µm PTC18T

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C18T	15µm	6G	puriFlash® PT C18T 15µm 6G Flash column	PT-15C18T/6G	2 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	20G	puriFlash® PT C18T 15µm 20G Flash column	PT-15C18T/20G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	35G	puriFlash® PT C18T 15µm 35G Flash column	PT-15C18T/35G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	55G	puriFlash® PT C18T 15µm 55G Flash column	PT-15C18T/55G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	120G	puriFlash® PT C18T 15µm 120G Flash column	PT-15C18T/120G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	175G	puriFlash® PT C18T 15µm 175G Flash column	PT-15C18T/175G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	300G	puriFlash® PT C18T 15µm 300G Flash column	PT-15C18T/300G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	15µm	450G	puriFlash® PT C18T 15µm 450G Flash column	PT-15C18T/450G	1 u

Bio Purification 200Å 30µm PTC18T

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C18T	30µm	6G	puriFlash® PT C18T 30µm 6G Flash column	PT-30C18T/6G	2 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	20G	puriFlash® PT C18T 30µm 20G Flash column	PT-30C18T/20G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	35G	puriFlash® PT C18T 30µm 35G Flash column	PT-30C18T/35G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	55G	puriFlash® PT C18T 30µm 55G Flash column	PT-30C18T/55G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	120G	puriFlash® PT C18T 30µm 120G Flash column	PT-30C18T/120G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	175G	puriFlash® PT C18T 30µm 175G Flash column	PT-30C18T/175G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	300G	puriFlash® PT C18T 30µm 300G Flash column	PT-30C18T/300G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	450G	puriFlash® PT C18T 30µm 450G Flash column	PT-30C18T/450G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	1250G	puriFlash® PT C18T 30µm 1250G Flash column	PT-30C18T/1250G	1 u
puriFlash®	Bio Purification 200Å - PT C18T	30µm	2500G	puriFlash® PT C18T 30µm 2500G Flash column	PT-30C18T/2500G	1 u

Bio Purification 200Å 15µm PTC8

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C8	15µm	6G	puriFlash® PT C8 15µm 6G Flash column	PT-15C8/6G	2 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	20G	puriFlash® PT C8 15µm 20G Flash column	PT-15C8/20G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	35G	puriFlash® PT C8 15µm 35G Flash column	PT-15C8/35G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	55G	puriFlash® PT C8 15µm 55G Flash column	PT-15C8/55G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	120G	puriFlash® PT C8 15µm 120G Flash column	PT-15C8/120G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	175G	puriFlash® PT C8 15µm 175G Flash column	PT-15C8/175G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	300G	puriFlash® PT C8 15µm 300G Flash column	PT-15C8/300G	1 u
puriFlash®	Bio Purification 200Å - PT C8	15µm	450G	puriFlash® PT C8 15µm 450G Flash column	PT-15C8/450G	1 u

Bio Purification 200Å 30µm PTC8

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C8	30µm	6G	puriFlash® PT C8 30µm 6G Flash column	PT-30C8/6G	2 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	20G	puriFlash® PT C8 30µm 20G Flash column	PT-30C8/20G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	35G	puriFlash® PT C8 30µm 35G Flash column	PT-30C8/35G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	55G	puriFlash® PT C8 30µm 55G Flash column	PT-30C8/55G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	120G	puriFlash® PT C8 30µm 120G Flash column	PT-30C8/120G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	175G	puriFlash® PT C8 30µm 175G Flash column	PT-30C8/175G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	300G	puriFlash® PT C8 30µm 300G Flash column	PT-30C8/300G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	450G	puriFlash® PT C8 30µm 450G Flash column	PT-30C8/450G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	1250G	puriFlash® PT C8 30µm 1250G Flash column	PT-30C8/1250G	1 u
puriFlash®	Bio Purification 200Å - PT C8	30µm	2500G	puriFlash® PT C8 30µm 2500G Flash column	PT-30C8/2500G	1 u

puriFlash® Columns list

Bio Purification 200Å 15µm PTC4

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C4	15µm	6G	puriFlash® PT C4 15µm 6G Flash column	PT-15C4/6G	2 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	20G	puriFlash® PT C4 15µm 20G Flash column	PT-15C4/20G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	35G	puriFlash® PT C4 15µm 35G Flash column	PT-15C4/35G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	55G	puriFlash® PT C4 15µm 55G Flash column	PT-15C4/55G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	120G	puriFlash® PT C4 1µm 120G Flash column	PT-15C4/120G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	175G	puriFlash® PT C4 15µm 175G Flash column	PT-15C4/175G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	300G	puriFlash® PT C4 15µm 300G Flash column	PT-15C4/300G	1 u
puriFlash®	Bio Purification 200Å - PT C4	15µm	450G	puriFlash® PT C4 15µm 450G Flash column	PT-15C4/450G	1 u

Bio Purification 200Å 30µm PTC4

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 200Å - PT C4	30µm	6G	puriFlash® PT C4 30µm 6G Flash column	PT-30C4/6G	2 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	20G	puriFlash® PT C4 30µm 20G Flash column	PT-30C4/20G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	35G	puriFlash® PT C4 30µm 35G Flash column	PT-30C4/35G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	55G	puriFlash® PT C4 30µm 55G Flash column	PT-30C4/55G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	120G	puriFlash® PT C4 30µm 120G Flash column	PT-30C4/120G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	175G	puriFlash® PT C4 30µm 175G Flash column	PT-30C4/175G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	300G	puriFlash® PT C4 30µm 300G Flash column	PT-30C4/300G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	450G	puriFlash® PT C4 30µm 450G Flash column	PT-30C4/450G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	1250G	puriFlash® PT C4 30µm 1250G Flash column	PT-30C4/1250G	1 u
puriFlash®	Bio Purification 200Å - PT C4	30µm	2500G	puriFlash® PT C4 30µm 2500G Flash column	PT-30C4/2500G	1 u

Bio Purification 300Å 15µm PTC18T

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C18T	15µm	6G	puriFlash® PP C18T 15µm 6G Flash column	PP-15C18T/6G	2 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	20G	puriFlash® PP C18T 15µm 20G Flash column	PP-15C18T/20G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	35G	puriFlash® PP C18T 15µm 35G Flash column	PP-15C18T/35G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	55G	puriFlash® PP C18T 15µm 55G Flash column	PP-15C18T/55G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	120G	puriFlash® PP C18T 15µm 120G Flash column	PP-15C18T/120G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	175G	puriFlash® PP C18T 15µm 175G Flash column	PP-15C18T/175G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	300G	puriFlash® PP C18T 15µm 300G Flash column	PP-15C18T/300G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	15µm	450G	puriFlash® PP C18T 15µm 450G Flash column	PP-15C18T/450G	1 u

Bio Purification 300Å 30µm PTC18T

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C18T	30µm	6G	puriFlash® PP C18T 30µm 6G Flash column	PP-30C18T/6G	2 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	20G	puriFlash® PP C18T 30µm 20G Flash column	PP-30C18T/20G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	35G	puriFlash® PP C18T 30µm 35G Flash column	PP-30C18T/35G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	55G	puriFlash® PP C18T 30µm 55G Flash column	PP-30C18T/55G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	120G	puriFlash® PP C18T 30µm 120G Flash column	PP-30C18T/120G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	175G	puriFlash® PP C18T 30µm 175G Flash column	PP-30C18T/175G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	300G	puriFlash® PP C18T 30µm 300G Flash column	PP-30C18T/300G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	450G	puriFlash® PP C18T 30µm 450G Flash column	PP-30C18T/450G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	1250G	puriFlash® PP C18T 30µm 1250G Flash column	PP-30C18T/1250G	1 u
puriFlash®	Bio Purification 300Å - PT C18T	30µm	2500G	puriFlash® PP C18T 30µm 2500G Flash column	PP-30C18T/2500G	1 u

puriFlash® Columns list

Bio Purification 300Å 15µm PTC8

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C8	15µm	6G	puriFlash® PP C8 15µm 6G Flash column	PP-15C8/6G	2 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	20G	puriFlash® PP C8 15µm 20G Flash column	PP-15C8/20G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	35G	puriFlash® PP C8 15µm 35G Flash column	PP-15C8/35G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	55G	puriFlash® PP C8 15µm 55G Flash column	PP-15C8/55G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	120G	puriFlash® PP C8 15µm 120G Flash column	PP-15C8/120G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	175G	puriFlash® PP C8 15µm 175G Flash column	PP-15C8/175G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	300G	puriFlash® PP C8 15µm 300G Flash column	PP-15C8/300G	1 u
puriFlash®	Bio Purification 300Å - PT C8	15µm	450G	puriFlash® PP C8 15µm 450G Flash column	PP-15C8/450G	1 u

Bio Purification 300Å 30µm PTC8

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C8	30µm	6G	puriFlash® PP C8 30µm 6G Flash column	PP-30C8/6G	2 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	20G	puriFlash® PP C8 30µm 20G Flash column	PP-30C8/20G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	35G	puriFlash® PP C8 30µm 35G Flash column	PP-30C8/35G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	55G	puriFlash® PP C8 30µm 55G Flash column	PP-30C8/55G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	120G	puriFlash® PP C8 30µm 120G Flash column	PP-30C8/120G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	175G	puriFlash® PP C8 30µm 175G Flash column	PP-30C8/175G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	300G	puriFlash® PP C8 30µm 300G Flash column	PP-30C8/300G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	450G	puriFlash® PP C8 30µm 450G Flash column	PP-30C8/450G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	1250G	puriFlash® PP C8 30µm 1250G Flash column	PP-30C8/1250G	1 u
puriFlash®	Bio Purification 300Å - PT C8	30µm	2500G	puriFlash® PP C8 30µm 2500G Flash column	PP-30C8/2500G	1 u

Bio Purification 300Å 15µm PTC4

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C4	15µm	6G	puriFlash® PP C4 15µm 6G Flash column	PP-15C4/6G	2 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	20G	puriFlash® PP C4 15µm 20G Flash column	PP-15C4/20G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	35G	puriFlash® PP C4 15µm 35G Flash column	PP-15C4/35G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	55G	puriFlash® PP C4 15µm 55G Flash column	PP-15C4/55G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	120G	puriFlash® PP C4 15µm 120G Flash column	PP-15C4/120G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	175G	puriFlash® PP C4 15µm 175G Flash column	PP-15C4/175G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	300G	puriFlash® PP C4 15µm 300G Flash column	PP-15C4/300G	1 u
puriFlash®	Bio Purification 300Å - PT C4	15µm	450G	puriFlash® PP C4 15µm 450G Flash column	PP-15C4/450G	1 u

Bio Purification 300Å 30µm PTC4

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash®	Bio Purification 300Å - PT C4	30µm	6G	puriFlash® PP C4 30µm 6G Flash column	PP-30C4/6G	2
puriFlash®	Bio Purification 300Å - PT C4	30µm	20G	puriFlash® PP C4 30µm 20G Flash column	PP-30C4/20G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	35G	puriFlash® PP C4 30µm 35G Flash column	PP-30C4/35G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	55G	puriFlash® PP C4 30µm 55G Flash column	PP-30C4/55G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	120G	puriFlash® PP C4 30µm 120G Flash column	PP-30C4/120G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	175G	puriFlash® PP C4 30µm 175G Flash column	PP-30C4/175G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	300G	puriFlash® PP C4 30µm 300G Flash column	PP-30C4/300G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	450G	puriFlash® PP C4 30µm 450G Flash column	PP-30C4/450G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	1250G	puriFlash® PP C4 30µm 1250G Flash column	PP-30C4/1250G	1
puriFlash®	Bio Purification 300Å - PT C4	30µm	2500G	puriFlash® PP C4 30µm 2500G Flash column	PP-30C4/2500G	1

puriFlash® Columns list



puriFlash® Dry-Load

Type	Nature	Particule size	Weight	Description	Part Number	Qty/pack
puriFlash® Dry-Load	Empty		4G	puriFlash® Dry Load Empty 4G Flash column	PF-DLE/4G	20 u
puriFlash® Dry-Load	Empty		12G	puriFlash® Dry Load Empty 12G Flash column	PF-DLE/12G	20 u
puriFlash® Dry-Load	Empty		25G	puriFlash® Dry Load Empty 25G Flash column	PF-DLE/25G	20 u
puriFlash® Dry-Load	Empty		40G	puriFlash® Dry Load Empty 40G Flash column	PF-DLE/40G	20 u
puriFlash® Dry-Load	Empty		80G	puriFlash® Dry Load Empty 80G Flash column	PF-DLE/80G	5 u
puriFlash® Dry-Load	Empty		120G	puriFlash® Dry Load Empty 120G Flash column	PF-DLE/120G	5 u
puriFlash® Dry-Load	Empty		200G	puriFlash® Dry Load Empty 200G Flash column	PF-DLE/200G	5 u
puriFlash® Dry-Load	Empty		300G	puriFlash® Dry Load Empty 300G Flash column	PF-DLE/300G	5 u

puriFlash® Dry-Load	Silica HC 80%		4G	puriFlash® Dry Load Silica HC 80% 4G Flash column	PF-DLSIHC08/4G	20 u
puriFlash® Dry-Load	Silica HC 80%		12G	puriFlash® Dry Load Silica HC 80% 12G Flash column	PF-DLSIHC08/12G	20 u
puriFlash® Dry-Load	Silica HC 80%		25G	puriFlash® Dry Load Silica HC 80% 25G Flash column	PF-DLSIHC08/25G	20 u
puriFlash® Dry-Load	Silica HC 80%		40G	puriFlash® Dry Load Silica HC 80% 40G Flash column	PF-DLSIHC08/40G	20 u

puriFlash® Dry-Load	Silica HC 50%		4G	puriFlash® Dry Load Silica HC 50% 4G Flash column	PF-DLSIHC05/4G	20 u
puriFlash® Dry-Load	Silica HC 50%		12G	puriFlash® Dry Load Silica HC 50% 12G Flash column	PF-DLSIHC05/12G	20 u
puriFlash® Dry-Load	Silica HC 50%		25G	puriFlash® Dry Load Silica HC 50% 25G Flash column	PF-DLSIHC05/25G	20 u
puriFlash® Dry-Load	Silica HC 50%		40G	puriFlash® Dry Load Silica HC 50% 40G Flash column	PF-DLSIHC05/40G	20 u

puriFlash® Dry-Load	Celite 80%		4G	puriFlash® Dry Load Celite 80% 4G Flash column	PF-DLCET08/4G	20 u
puriFlash® Dry-Load	Celite 80%		12G	puriFlash® Dry Load Celite 80% 12G Flash column	PF-DLCET08/12G	20 u
puriFlash® Dry-Load	Celite 80%		25G	puriFlash® Dry Load Celite 80% 25G Flash column	PF-DLCET08/25G	20 u
puriFlash® Dry-Load	Celite 80%		40G	puriFlash® Dry Load Celite 80% 40G Flash column	PF-DLCET08/40G	20 u

puriFlash® Dry-Load	C18 Standard 80%		4G	puriFlash® Dry Load C18 STD 80% 4G Flash column	PF-DLIRC808/4G	5 u
puriFlash® Dry-Load	C18 Standard 80%		12G	puriFlash® Dry Load C18 STD 80% 12G Flash column	PF-DLIRC1808/12G	5 u
puriFlash® Dry-Load	C18 Standard 80%		25G	puriFlash® Dry Load C18 STD 80% 25G Flash column	PF-DLIRC1808/25G	5 u
puriFlash® Dry-Load	C18 Standard 80%		40G	puriFlash® Dry Load C18 STD 80% 40G Flash column	PF-DLIRC1808/40G	5 u

puriFlash® Dry-Load	C18 Standard 50%		4G	puriFlash® Dry Load C18 STD 50% 4G Flash column	PF-DLIRC1805/4G	5 u
puriFlash® Dry-Load	C18 Standard 50%		12G	puriFlash® Dry Load C18 STD 50% 12G Flash column	PF-DLIRC1805/12G	5 u
puriFlash® Dry-Load	C18 Standard 50%		25G	puriFlash® Dry Load C18 STD 50% 25G Flash column	PF-DLIRC1805/25G	5 u
puriFlash® Dry-Load	C18 Standard 50%		40G	puriFlash® Dry Load C18 STD 50% 40G Flash column	PF-DLIRC1805/40G	5 u

puriFlash® Columns list - FM series



Accessories



Flash Plunger	Part Number	Qty/pack
15mL	DC0010	u
25mL	DC0020	u
70mL	DC0030	u
150mL	DC0040	u

Plunger Seal (ID)	Part Number	Qty/pack
16mm	DC4510	u
20mm	DC4520	u
27mm	DC4530	u
37mm	DC4540	u

Type	Bonding	Particle size	Weight	Part Number	Qty/pack
puriFlash® FM serie	Silica HP	30µm	2g/15mL	FM15-30SIHP/2G	12u
puriFlash® FM serie	Silica HP	30µm	5g/25mL	FM25-30SIHP/5G	12u
puriFlash® FM serie	Silica HP	30µm	10g/70mL	FM70-30SIHP/10G	12u
puriFlash® FM serie	Silica HP	30µm	20g/70mL	FM70-30SIHP/20G	12u
puriFlash®h FM serie	Silica HP	30µm	25g/150mL	FM150-30SIHP/25G	6u
puriFlash® FM serie	Silica HP	30µm	50g/150mL	FM150-30SIHP/50G	6u
puriFlash® FM serie	Silica HP	30µm	70g/150mL	FM150-30SIHP/70G	6u

puriFlash® FM serie	Silica HP	50µm	2g/15mL	FM15-50SIHP/2G	12u
puriFlash® FM serie	Silica HP	50µm	5g/25mL	FM25-50SIHP/5G	12u
puriFlash® FM serie	Silica HP	50µm	10g/70mL	FM70-50SIHP/10G	12u
puriFlash® FM serie	Silica HP	50µm	20g/70mL	FM70-50SIHP/20G	12u
puriFlash®h FM serie	Silica HP	50µm	25g/150mL	FM150-50SIHP/25G	6u
puriFlash® FM serie	Silica HP	50µm	50g/150mL	FM150-50SIHP/50G	6u
puriFlash® FM serie	Silica HP	50µm	70g/150mL	FM150-50SIHP/70G	6u

puriFlash® FM serie	Silica HC	50µm	2g/15mL	FM15-50SIHC/2G	12u
puriFlash® FM serie	Silica HC	50µm	5g/25mL	FM25-50SIHC/5G	12u
puriFlash® FM serie	Silica HC	50µm	10g/70mL	FM70-50SIHC/10G	12u
puriFlash® FM serie	Silica HC	50µm	20g/70mL	FM70-50SIHC/20G	12u
puriFlash®h FM serie	Silica HC	50µm	25g/150mL	FM150-50SIHC/25G	6u
puriFlash® FM serie	Silica HC	50µm	50g/150mL	FM150-50SIHC/50G	6u
puriFlash® FM serie	Silica HC	50µm	70g/150mL	FM150-50SIHC/70G	6u

puriFlash® Columns list - FM series

Type	Bonding	Particle size	Weight	Part Number	Qty/pack
puriFlash® FM serie	Silica Standard	50µm	2g/15mL	FM15-IR50SI/2G	12u
puriFlash® FM serie	Silica Standard	50µm	5g/25mL	FM25-IR50SI/5G	12u
puriFlash® FM serie	Silica Standard	50µm	10g/70mL	FM70-IR50SI/10G	12u
puriFlash® FM serie	Silica Standard	50µm	20g/70mL	FM70-IR50SI/20G	12u
puriFlash®h FM serie	Silica Standard	50µm	25g/150mL	FM150-IR50SI/25G	6u
puriFlash® FM serie	Silica Standard	50µm	50g/150mL	FM150-IR50SI/50G	6u
puriFlash® FM serie	Silica Standard	50µm	70g/150mL	FM150-IR50SI/70G	6u

puriFlash® FM serie	C18	30µm	2g/15mL	FM15-30C18/2G	6u
puriFlash® FM serie	C18	30µm	5g/25mL	FM25-30C18/5G	6u
puriFlash® FM serie	C18	30µm	10g/70mL	FM70-30C18/10G	6u
puriFlash® FM serie	C18	30µm	20g/70mL	FM70-30C18/20G	3u
puriFlash®h FM serie	C18	30µm	25g/150mL	FM150-30C18/25G	3u
puriFlash® FM serie	C18	30µm	50g/150mL	FM150-30C18/50G	1u
puriFlash® FM serie	C18	30µm	70g/150mL	FM150-30C18/70G	1u

puriFlash® FM serie	C18	50µm	2g/15mL	FM15-50C18/2G	6u
puriFlash® FM serie	C18	50µm	5g/25mL	FM25-50C18/5G	6u
puriFlash® FM serie	C18	50µm	10g/70mL	FM70-50C18/10G	6u
puriFlash® FM serie	C18	50µm	20g/70mL	FM70-50C18/20G	3u
puriFlash®h FM serie	C18	50µm	25g/150mL	FM150-50C18/25G	3u
puriFlash® FM serie	C18	50µm	50g/150mL	FM150-50C18/50G	1u
puriFlash® FM serie	C18	50µm	70g/150mL	FM150-50C18/70G	1u

puriFlash® FM serie	C18 Standard	50µm	2g/15mL	FM15-IR50C18/2G	6u
puriFlash® FM serie	C18 Standard	50µm	5g/25mL	FM25-IR50C18/5G	6u
puriFlash® FM serie	C18 Standard	50µm	10g/70mL	FM70-IR50C18/10G	6u
puriFlash® FM serie	C18 Standard	50µm	20g/70mL	FM70-IR50C18/20G	3u
puriFlash®h FM serie	C18 Standard	50µm	25g/150mL	FM150-IR50C18/25G	3u
puriFlash® FM serie	C18 Standard	50µm	50g/150mL	FM150-IR50C18/50G	1u
puriFlash® FM serie	C18 Standard	50µm	70g/150mL	FM150-IR50C18/70G	1u

puriFlash® FM serie	NH2 - amino	30µm	2g/15mL	FM15-30NH2/2G	6u
puriFlash® FM serie	NH2 - amino	30µm	5g/25mL	FM25-30NH2/5G	6u
puriFlash® FM serie	NH2 - amino	30µm	10g/70mL	FM70-30NH2/10G	6u
puriFlash® FM serie	NH2 - amino	30µm	20g/70mL	FM70-30NH2/20G	3u
puriFlash®h FM serie	NH2 - amino	30µm	25g/150mL	FM150-30NH2/25G	3u
puriFlash® FM serie	NH2 - amino	30µm	50g/150mL	FM150-30NH2/50G	1u
puriFlash® FM serie	NH2 - amino	30µm	70g/150mL	FM150-30NH2/70G	1u

puriFlash® Columns list - FM series

Type	Bonding	Particle size	Weight	Part Number	Qty/pack
puriFlash® FM serie	NH2 - amino	50µm	2g/15mL	FM15-50NH2/2G	6u
puriFlash® FM serie	NH2 - amino	50µm	5g/25mL	FM25-50NH2/5G	6u
puriFlash® FM serie	NH2 - amino	50µm	10g/70mL	FM70-50NH2/10G	6u
puriFlash® FM serie	NH2 - amino	50µm	20g/70mL	FM70-50NH2/20G	3u
puriFlash®h FM serie	NH2 - amino	50µm	25g/150mL	FM150-50NH2/25G	3u
puriFlash® FM serie	NH2 - amino	50µm	50g/150mL	FM150-50NH2/50G	1u
puriFlash® FM serie	NH2 - amino	50µm	70g/150mL	FM150-50NH2/70G	1u

puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	2g/15mL	FM15-50DEAP/2G	6u
puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	5g/25mL	FM25-50DEAP/5G	6u
puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	10g/70mL	FM70-50DEAP/10G	6u
puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	20g/70mL	FM70-50DEAP/20G	3u
puriFlash®h FM serie	DEAP - Diethylamino promyl	50µm	25g/150mL	FM150-50DEAP/25G	3u
puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	50g/150mL	FM150-50DEAP/50G	1u
puriFlash® FM serie	DEAP - Diethylamino promyl	50µm	70g/150mL	FM150-50DEAP/70G	1u

puriFlash® FM serie	Diol	30µm	2g/15mL	FM15-30DIOL/2G	6u
puriFlash® FM serie	Diol	30µm	5g/25mL	FM25-30DIOL/5G	6u
puriFlash® FM serie	Diol	30µm	10g/70mL	FM70-30DIOL/10G	6u
puriFlash® FM serie	Diol	30µm	20g/70mL	FM70-30DIOL/20G	3u
puriFlash®h FM serie	Diol	30µm	25g/150mL	FM150-30DIOL/25G	3u
puriFlash® FM serie	Diol	30µm	50g/150mL	FM150-30DIOL/50G	1u
puriFlash® FM serie	Diol	30µm	70g/150mL	FM150-30DIOL/70G	1u

puriFlash® FM serie	Diol	50µm	2g/15mL	FM15-50DIOL/2G	6u
puriFlash® FM serie	Diol	50µm	5g/25mL	FM25-50DIOL/5G	6u
puriFlash® FM serie	Diol	50µm	10g/70mL	FM70-50DIOL/10G	6u
puriFlash® FM serie	Diol	50µm	20g/70mL	FM70-50DIOL/20G	3u
puriFlash®h FM serie	Diol	50µm	25g/150mL	FM150-50DIOL/25G	3u
puriFlash® FM serie	Diol	50µm	50g/150mL	FM150-50DIOL/50G	1u
puriFlash® FM serie	Diol	50µm	70g/150mL	FM150-50DIOL/70G	1u

puriFlash® FM serie	CN - Cyano	50µm	2g/15mL	FM15-50CN/2G	6u
puriFlash® FM serie	CN - Cyano	50µm	5g/25mL	FM25-50CN/5G	6u
puriFlash® FM serie	CN - Cyano	50µm	10g/70mL	FM70-50CN/10G	6u
puriFlash® FM serie	CN - Cyano	50µm	20g/70mL	FM70-50CN/20G	3u
puriFlash®h FM serie	CN - Cyano	50µm	25g/150mL	FM150-50CN/25G	3u
puriFlash® FM serie	CN - Cyano	50µm	50g/150mL	FM150-50CN/50G	1u
puriFlash® FM serie	CN - Cyano	50µm	70g/150mL	FM150-50CN/70G	1u

puriFlash® Columns list - FM series

Type	Bonding	Particule size	Weight	Part Number	Qty/pack
puriFlash® FM serie	MM1 - Mixed Mode	50µm	2g/15mL	FM15-50MM1/2G	6u
puriFlash® FM serie	MM1 - Mixed Mode	50µm	5g/25mL	FM25-50MM1/5G	6u
puriFlash® FM serie	MM1 - Mixed Mode	50µm	10g/70mL	FM70-50MM1/10G	6u
puriFlash® FM serie	MM1 - Mixed Mode	50µm	20g/70mL	FM70-50MM1/20G	3u
puriFlash®h FM serie	MM1 - Mixed Mode	50µm	25g/150mL	FM150-50MM1/25G	3u
puriFlash® FM serie	MM1 - Mixed Mode	50µm	50g/150mL	FM150-50MM1/50G	1u
puriFlash® FM serie	MM1 - Mixed Mode	50µm	70g/150mL	FM150-50MM1/70G	1u
puriFlash® FM serie	SCX	50µm	2g/15mL	FM15-50SCX/2G	6u
puriFlash® FM serie	SCX	50µm	5g/25mL	FM25-50SCX/5G	6u
puriFlash® FM serie	SCX	50µm	10g/70mL	FM70-50SCX/10G	6u
puriFlash® FM serie	SCX	50µm	20g/70mL	FM70-50SCX/20G	3u
puriFlash®h FM serie	SCX	50µm	25g/150mL	FM150-50SCX/25G	3u
puriFlash® FM serie	SCX	50µm	50g/150mL	FM150-50SCX/50G	1u
puriFlash® FM serie	SCX	50µm	70g/150mL	FM150-50SCX/70G	1u
puriFlash® FM serie	P6 - Polyamine	100µm	2g/15mL	FM15-100P6/2G	12u
puriFlash® FM serie	P6 - Polyamine	100µm	5g/25mL	FM25-100P6/5G	12u
puriFlash® FM serie	P6 - Polyamine	100µm	10g/70mL	FM70-100P6/10G	12u
puriFlash® FM serie	P6 - Polyamine	100µm	20g/70mL	FM70-100P6/20G	12u
puriFlash®h FM serie	P6 - Polyamine	100µm	25g/150mL	FM150-100P6/25G	6u
puriFlash® FM serie	P6 - Polyamine	100µm	50g/150mL	FM150-100P6/50G	6u
puriFlash® FM serie	P6 - Polyamine	100µm	70g/150mL	FM150-100P6/70G	6u
puriFlash® FM serie	Alumine Neutre	32/63µm	2g/15mL	FM15-ALN/2G	12u
puriFlash® FM serie	Alumine Neutre	32/63µm	5g/25mL	FM25-ALN/5G	12u
puriFlash® FM serie	Alumine Neutre	32/63µm	10g/70mL	FM70-ALN/10G	12u
puriFlash® FM serie	Alumine Neutre	32/63µm	20g/70mL	FM70-ALN/20G	12u
puriFlash®h FM serie	Alumine Neutre	32/63µm	25g/150mL	FM150-ALN/25G	6u
puriFlash® FM serie	Alumine Neutre	32/63µm	50g/150mL	FM150-ALN/50G	6u
puriFlash® FM serie	Alumine Neutre	32/63µm	70g/150mL	FM150-ALN/70G	6u
puriFlash® FM serie	Alumine Basique	32/63µm	2g/15mL	FM15-ALB/2G	12u
puriFlash® FM serie	Alumine Basique	32/63µm	5g/25mL	FM25-ALB/5G	12u
puriFlash® FM serie	Alumine Basique	32/63µm	10g/70mL	FM70-ALB/10G	12u
puriFlash® FM serie	Alumine Basique	32/63µm	20g/70mL	FM70-ALB/20G	12u
puriFlash®h FM serie	Alumine Basique	32/63µm	25g/150mL	FM150-ALB/25G	6u
puriFlash® FM serie	Alumine Basique	32/63µm	50g/150mL	FM150-ALB/50G	6u
puriFlash® FM serie	Alumine Basique	32/63µm	70g/150mL	FM150-ALB/70G	6u

Preparative Prepacked LC Columns

Interchim® preparative columns from 10.0 to 50.8 mm i.d are for the purification of samples ranging from 0.5 mg to 1 gram.

Column tubing & column packing

The tube polishing value (Ra) has a fundamental importance in preparative chromatography.

A primary reason for broadening peaks and low efficiency is the utilization of a poorer quality tubing. Molecules in the center of the mobile phase stream can move more rapidly than the molecules closer to the side due to friction against the tubing surface. The lower the Ra value, the smoother the surface is, and the less 'drag' the tubing will place upon a given separation.

Modulo-cart preparative columns pay particular attention to this potential negative phenomenon.

All columns have extremely smooth internal surfaces (typically 8 µ inch of Ra) to considerably reduce issues of drag and maintain column efficiency. Efficiency is also managed through Interchim®'s state-of-the art proprietary packing processes - Modulo-cart Prep withstand packing pressures up to 550 bars contributing strongly to a good bed stability and column life time.

Sample dispersion

The loading of sample onto a preparative column requires stringent management to establish quality separations. Column overloading results in a poor retention of pure fraction and therefore particular attention needs to be placed upon selecting the appropriate column dimension and the properties of the stationary phase. In addition, a careful control of the introduction of sample to the column is necessary to establish a homogeneous sample dispersion through the sorbent bead head. Sample typically enters a preparative column through a 1/16" fitting; poor sample loading will lead to overloading certain areas of the stationary phase whilst other areas will be underloaded.

E.g. For a 50 mm i.d column with a 500 µm i.d capillary fitting - sample introduced to the column (without any sample distributor) will only interact with 0.01% of the surface column head. As well as a dramatic loss in capacity there will also be a high potential for the column head to prematurely clog, rapidly reducing column life times.

To prevent this problem Interchim®'s Modulo-cart Preparative columns are outfitted with a sample distributor. The sample distributor design maximizes the efficiency of sample volume dispersion and the sample mass introduced to the surface of the column head column life time.

Purification capacity for a 250 mm length column relative to internal diameter

I.D.	Purification capacity*
4.6 mm	0.5 to 10 mg
10.0 mm	2 to 50 mg
21.2 mm	20 to 200 mg
28.0 mm	50 to 400 mg
50.8 mm	100 mg to 1 g

*Capacity depends on the ratio : peak of interest Resolution (Rs) /impurities to purify



Linear scale up for 250mm column length 10µm particle size

Sample amount	x	~1x to 5x	~5x to 20x	~15x to 45x	~40x to 120x
Column Diameter	4.6mm	10mm	21.2mm	30mm	50mm
Optimum flowrate	0.8ml/min	3.5ml/min	17ml/min	34ml/min	94.50ml/min

———— Analytical ———— Semi preparative ———— Preparative ————>

Dynamic Axial Compression (DAC) Columns

DAC stands for dynamic axial compression combines the preparative column and packing system together. It is very simple to operate. Bed compression is maintained constant so that swelling will be prevented. Once particle shrinking takes place because of the solvent flow, the piston will automatically go down to let the bed maintain constant column pressure.

The column can be packed with small particulate media to reach high levels of performance. For columns from 30mm to 150mm i.d., the column efficiency can reach up to 40,000 theoretical plates /m with 10µm packing material.

Our engineers have innovated in the distributing groove at the column ends and designed efficient solvent & sample distribution systems to obtain optimum theoretical plates.

For a better control of the chromatographic conditions, DAC columns can be coat with a temperature jacket and/or insulation.

Max. working pressure: 100 bar.



Øint: 30, 50 & 80mm



Øint: 100 & 150mm

Model	Description	P/N
DAC50	DAC 50mm ID x 500mm length	KV7350
	Start-up kit for DAC 50mm column	KV7360
DAC80	DAC 80mm ID x 650mm length	KV7370
	Start-up kit for DAC 80mm column	KV7380
DAC100	DAC 100mm ID x 650mm length	KV7390
	Start-up kit for DAC 100mm column	KV7400
DAC150	DAC 150mm ID x 650mm length	KV7410
	Start-up kit for DAC 150mm column	KV7420



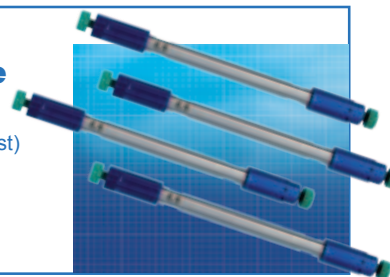
Purchase a puriFlash® 4250 Get your development kit free of charge

✓ PuriFlash® 4250 - 40ml/min @ 250 bar

4 HPLC columns: 15µm - 250 x 4.6mm (Choose any selectivity within the above list)

✓ PuriFlash® 4250 - 250ml/min @ 250 bar

1 HPLC Prep column: 15µm - 250 x 21.2mm
(Choose any selectivity within the above list)



Stationary phases features & applications

	Nature	Pore Size	Surface	Bonding	End Capping	%C
SI	Ultra pure	100 Å	425m ² /g	No	No	----
C18-2	Ultra pure	100 Å	425m ² /g	C18	Multi-step	22%
C18-3	Ultra pure	100 Å	425m ² /g	C18	Multi-step	19%
C18-RP	Ultra pure	100 Å	425m ² /g	C18	Mixte	16%
C18-HQ	High Quality	100 Å	400m ² /g	C18	Multi-step	20%
C18-HP	High Performance	60 Å	500m ² /g	C18	One-step	21%
C18-HC	High Capacity	60 Å	680m ² /g	C18	One-step	20%
C18-AQ	High Performance	60 Å	500m ² /g	C18AQ	Hydrophilic	20%
RPAQ	High Performance	60 Å	500m ² /g	RPAQ	Hydrophilic	6%

SI: Non ionic. polar organic compounds purifications.

C18-2: This utility phase serves many pharmaceutical applications. Its 425m²/g surface area providing excellent loading capacity.

C18-3: The high bonding density facilitates the separation of non polar compounds. Multi step bonding technology guarantees a fully end-capped phase. Stable under pH conditions from 1 to 12. C18-3 is an excellent phase for the separation of basic drugs.

C18-RP: Excellent mechanical stability under 100% aqueous mobile phase. Suitable for mid & non polar compounds separation.

C18-HQ: The right choice when a tight separation ($R_s < 1.3$) between the compound of interest and its impurities occurs during method development.

C18-HP: Designed for routine purification. it is the best compromise Quality /Cost for both preparative & flash purifications.

C18-HC: The highest surface area available for large loading quantities.

C18-AQ: Reverse phase purifications of mid-polar compounds.

RPAQ: Reverse phase purifications of polar compounds.

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
Uptisphere Strategy	SI	5 µm	4.6mm	250mm	US5SI-250/046	1u
Uptisphere Strategy	SI	5 µm	10.0mm	150mm	US5SI-150/100	1u
Uptisphere Strategy	SI	5 µm	10.0mm	250mm	US5SI-250/100	1u
Uptisphere Strategy	SI	5 µm	21.2mm	50mm	US5SI-050/212	1u
Uptisphere Strategy	SI	5 µm	21.2mm	100mm	US5SI-100/212	1u
Uptisphere Strategy	SI	5 µm	21.2mm	150mm	US5SI-150/212	1u
Uptisphere Strategy	SI	5 µm	21.2mm	250mm	US5SI-250/212	1u
Uptisphere Strategy	SI	5 µm	30.0mm	50mm	US5SI-050/300	1u
Uptisphere Strategy	SI	5 µm	30.0mm	100mm	US5SI-100/300	1u
Uptisphere Strategy	SI	5 µm	30.0mm	150mm	US5SI-150/300	1u
Uptisphere Strategy	SI	5 µm	30.0mm	250mm	US5SI-250/300	1u
Uptisphere Strategy	SI	5 µm	50.0mm	50mm	US5SI-050/500	1u
Uptisphere Strategy	SI	5 µm	50.0mm	250mm	US5SI-250/500	1u
Uptisphere Strategy	SI	5 µm	60.0mm	275mm	US5SI-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
Uptisphere Strategy	SI	10 µm	4.6mm	250mm	US10SI-250/046	1u
Uptisphere Strategy	SI	10 µm	10.0mm	150mm	US10SI-150/100	1u
Uptisphere Strategy	SI	10 µm	10.0mm	250mm	US10SI-250/100	1u
Uptisphere Strategy	SI	10 µm	21.2mm	50mm	US10SI-050/212	1u
Uptisphere Strategy	SI	10 µm	21.2mm	100mm	US10SI-100/212	1u
Uptisphere Strategy	SI	10 µm	21.2mm	150mm	US10SI-150/212	1u
Uptisphere Strategy	SI	10 µm	21.2mm	250mm	US10SI-250/212	1u
Uptisphere Strategy	SI	10 µm	30.0mm		US10SI-050/300	1u
Uptisphere Strategy	SI	10 µm	30.0mm	100mm	US10SI-100/300	1u
Uptisphere Strategy	SI	10 µm	30.0mm	150mm	US10SI-150/300	1u
Uptisphere Strategy	SI	10 µm	30.0mm	250mm	US10SI-250/300	1u
Uptisphere Strategy	SI	10 µm	50.0mm	50mm	US10SI-050/500	1u
Uptisphere Strategy	SI	10 µm	50.0mm	250mm	US10SI-250/500	1u
Uptisphere Strategy	SI	10 µm	60.0mm	275mm	US10SI-275/600	1u
puriFlash®	SI	10 µm	4.6mm	250mm	PF10SI-250/046	1u
puriFlash®	SI	10 µm	10.0mm	150mm	PF10SI-150/100	1u
puriFlash®	SI	10 µm	10.0mm	250mm	PF10SI-250/100	1u
puriFlash®	SI	10 µm	21.2mm	50mm	PF10SI-050/212	1u
puriFlash®	SI	10 µm	21.2mm	100mm	PF10SI-100/212	1u
puriFlash®	SI	10 µm	21.2mm	150mm	PF10SI-150/212	1u
puriFlash®	SI	10 µm	21.2mm	250mm	PF10SI-250/212	1u
puriFlash®	SI	10 µm	30.0mm	50mm	PF10SI-050/300	1u
puriFlash®	SI	10 µm	30.0mm	100mm	PF10SI-100/300	1u
puriFlash®	SI	10 µm	30.0mm	150mm	PF10SI-150/300	1u
puriFlash®	SI	10 µm	30.0mm	250mm	PF10SI-250/300	1u
puriFlash®	SI	10 µm	50.0mm	50mm	PF10SI-050/500	1u
puriFlash®	SI	10 µm	50.0mm	250mm	PF10SI-250/500	1u
puriFlash®	SI	10 µm	60.0mm	275mm	PF10SI-275/600	1u
puriFlash®	SI	15 µm	4.6mm	250mm	PF15SI-250/046	1u
puriFlash®	SI	15 µm	10.0mm	150mm	PF15SI-150/100	1u
puriFlash®	SI	15 µm	10.0mm	250mm	PF15SI-250/100	1u
puriFlash®	SI	15 µm	21.2mm	50mm	PF15SI-050/212	1u
puriFlash®	SI	15 µm	21.2mm	100mm	PF15SI-100/212	1u
puriFlash®	SI	15 µm	21.2mm	150mm	PF15SI-150/212	1u
puriFlash®	SI	15 µm	21.2mm	250mm	PF15SI-250/212	1u
puriFlash®	SI	15 µm	30.0mm	50mm	PF15SI-050/300	1u
puriFlash®	SI	15 µm	30.0mm	100mm	PF15SI-100/300	1u
puriFlash®	SI	15 µm	30.0mm	150mm	PF15SI-150/300	1u
puriFlash®	SI	15 µm	30.0mm	250mm	PF15SI-250/300	1u
puriFlash®	SI	15 µm	50.0mm	50mm	PF15SI-050/500	1u
puriFlash®	SI	15 µm	50.0mm	250mm	PF15SI-250/500	1u
puriFlash®	SI	15 µm	60.0mm	275mm	PF15SI-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
Uptisphere Strategy	C18-RP	10 µm	4.6mm	250mm	US10RP-250/046	1u
Uptisphere Strategy	C18-RP	10 µm	10.0mm	150mm	US10RP-150/100	1u
Uptisphere Strategy	C18-RP	10 µm	10.0mm	250mm	US10RP-250/100	1u
Uptisphere Strategy	C18-RP	10 µm	21.2mm	50mm	US10RP-050/212	1u
Uptisphere Strategy	C18-RP	10 µm	21.2mm	100mm	US10RP-100/212	1u
Uptisphere Strategy	C18-RP	10 µm	21.2mm	150mm	US10RP-150/212	1u
Uptisphere Strategy	C18-RP	10 µm	21.2mm	250mm	US10RP-250/212	1u
Uptisphere Strategy	C18-RP	10 µm	30.0mm	50mm	US10RP-050/300	1u
Uptisphere Strategy	C18-RP	10 µm	30.0mm	100mm	US10RP-100/300	1u
Uptisphere Strategy	C18-RP	10 µm	30.0mm	150mm	US10RP-150/300	1u
Uptisphere Strategy	C18-RP	10 µm	30.0mm	250mm	US10RP-250/300	1u
Uptisphere Strategy	C18-RP	10 µm	50.0mm	50mm	US10RP-050/500	1u
Uptisphere Strategy	C18-RP	10 µm	50.0mm	250mm	US10RP-250/500	1u
Uptisphere Strategy	C18-RP	10 µm	60.0mm	275mm	US10RP-275/600	1u
Uptisphere Strategy	C18-RP	15 µm	4.6mm	250mm	US15RP-250/046	1u
Uptisphere Strategy	C18-RP	15 µm	10.0mm	150mm	US15RP-150/100	1u
Uptisphere Strategy	C18-RP	15 µm	10.0mm	250mm	US15RP-250/100	1u
Uptisphere Strategy	C18-RP	15 µm	21.2mm	50mm	US15RP-050/212	1u
Uptisphere Strategy	C18-RP	15 µm	21.2mm	100mm	US15RP-100/212	1u
Uptisphere Strategy	C18-RP	15 µm	21.2mm	150mm	US15RP-150/212	1u
Uptisphere Strategy	C18-RP	15 µm	21.2mm	250mm	US15RP-250/212	1u
Uptisphere Strategy	C18-RP	15 µm	30.0mm	50mm	US15RP-050/300	1u
Uptisphere Strategy	C18-RP	15 µm	30.0mm	100mm	US15RP-100/300	1u
Uptisphere Strategy	C18-RP	15 µm	30.0mm	150mm	US15RP-150/300	1u
Uptisphere Strategy	C18-RP	15 µm	30.0mm	250mm	US15RP-250/300	1u
Uptisphere Strategy	C18-RP	15 µm	50.0mm	50mm	US15RP-050/500	1u
Uptisphere Strategy	C18-RP	15 µm	50.0mm	250mm	US15RP-250/500	1u
Uptisphere Strategy	C18-RP	15 µm	60.0mm	275mm	US15RP-275/600	1u
Uptisphere Strategy	C18-2	5 µm	4.6mm	250mm	US5C182-250/046	1u
Uptisphere Strategy	C18-2	5 µm	10.0mm	150mm	US5C182-150/100	1u
Uptisphere Strategy	C18-2	5 µm	10.0mm	250mm	US5C182-250/100	1u
Uptisphere Strategy	C18-2	5 µm	21.2mm	50mm	US5C182-050/212	1u
Uptisphere Strategy	C18-2	5 µm	21.2mm	100mm	US5C182-100/212	1u
Uptisphere Strategy	C18-2	5 µm	21.2mm	150mm	US5C182-150/212	1u
Uptisphere Strategy	C18-2	5 µm	21.2mm	250mm	US5C182-250/212	1u
Uptisphere Strategy	C18-2	5 µm	30.0mm	50mm	US5C182-050/300	1u
Uptisphere Strategy	C18-2	5 µm	30.0mm	100mm	US5C182-100/300	1u
Uptisphere Strategy	C18-2	5 µm	30.0mm	150mm	US5C182-150/300	1u
Uptisphere Strategy	C18-2	5 µm	30.0mm	250mm	US5C182-250/300	1u
Uptisphere Strategy	C18-2	5 µm	50.0mm	50mm	US5C182-050/500	1u
Uptisphere Strategy	C18-2	5 µm	50.0mm	250mm	US5C182-250/500	1u
Uptisphere Strategy	C18-2	5 µm	60.0mm	275mm	US5C182-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
puriFlash®	C18HQ	10 µm	4.6mm	250mm	PF10C18HQ-250/046	1u
puriFlash®	C18HQ	10 µm	10.0mm	150mm	PF10C18HQ-150/100	1u
puriFlash®	C18HQ	10 µm	10.0mm	250mm	PF10C18HQ-250/100	1u
puriFlash®	C18HQ	10 µm	21.2mm	50mm	PF10C18HQ-050/212	1u
puriFlash®	C18HQ	10 µm	21.2mm	100mm	PF10C18HQ-100/212	1u
puriFlash®	C18HQ	10 µm	21.2mm	150mm	PF10C18HQ-150/212	1u
puriFlash®	C18HQ	10 µm	21.2mm	250mm	PF10C18HQ-250/212	1u
puriFlash®	C18HQ	10 µm	30.0mm	50mm	PF10C18HQ-050/300	1u
puriFlash®	C18HQ	10 µm	30.0mm	100mm	PF10C18HQ-100/300	1u
puriFlash®	C18HQ	10 µm	30.0mm	150mm	PF10C18HQ-150/300	1u
puriFlash®	C18HQ	10 µm	30.0mm	250mm	PF10C18HQ-250/300	1u
puriFlash®	C18HQ	10 µm	50.0mm	50mm	PF10C18HQ-050/500	1u
puriFlash®	C18HQ	10 µm	50.0mm	250mm	PF10C18HQ-250/500	1u
puriFlash®	C18HQ	10 µm	60.0mm	275mm	PF10C18HQ-275/600	1u
puriFlash®	C18HQ	15 µm	4.6mm	250mm	PF15C18HQ-250/046	1u
puriFlash®	C18HQ	15 µm	10.0mm	150mm	PF15C18HQ-150/100	1u
puriFlash®	C18HQ	15 µm	10.0mm	250mm	PF15C18HQ-250/100	1u
puriFlash®	C18HQ	15 µm	21.2mm	50mm	PF15C18HQ-050/212	1u
puriFlash®	C18HQ	15 µm	21.2mm	100mm	PF15C18HQ-100/212	1u
puriFlash®	C18HQ	15 µm	21.2mm	150mm	PF15C18HQ-150/212	1u
puriFlash®	C18HQ	15 µm	21.2mm	250mm	PF15C18HQ-250/212	1u
puriFlash®	C18HQ	15 µm	30.0mm	50mm	PF15C18HQ-050/300	1u
puriFlash®	C18HQ	15 µm	30.0mm	100mm	PF15C18HQ-100/300	1u
puriFlash®	C18HQ	15 µm	30.0mm	150mm	PF15C18HQ-150/300	1u
puriFlash®	C18HQ	15 µm	30.0mm	250mm	PF15C18HQ-250/300	1u
puriFlash®	C18HQ	15 µm	50.0mm	50mm	PF15C18HQ-050/500	1u
puriFlash®	C18HQ	15 µm	50.0mm	250mm	PF15C18HQ-250/500	1u
puriFlash®	C18HQ	15 µm	60.0mm	275mm	PF15C18HQ-275/600	1u
puriFlash®	C18XS	15 µm	4.6mm	250mm	PF15C18XS-250/046	1u
puriFlash®	C18XS	15 µm	10.0mm	150mm	PF15C18XS-150/100	1u
puriFlash®	C18XS	15 µm	10.0mm	250mm	PF15C18XS-250/100	1u
puriFlash®	C18XS	15 µm	21.2mm	50mm	PF15C18XS-050/212	1u
puriFlash®	C18XS	15 µm	21.2mm	100mm	PF15C18XS-100/212	1u
puriFlash®	C18XS	15 µm	21.2mm	150mm	PF15C18XS-150/212	1u
puriFlash®	C18XS	15 µm	21.2mm	250mm	PF15C18XS-250/212	1u
puriFlash®	C18XS	15 µm	30.0mm	50mm	PF15C18XS-050/300	1u
puriFlash®	C18XS	15 µm	30.0mm	100mm	PF15C18XS-100/300	1u
puriFlash®	C18XS	15 µm	30.0mm	150mm	PF15C18XS-150/300	1u
puriFlash®	C18XS	15 µm	30.0mm	250mm	PF15C18XS-250/300	1u
puriFlash®	C18XS	15 µm	50.0mm	50mm	PF15C18XS-050/500	1u
puriFlash®	C18XS	15 µm	50.0mm	250mm	PF15C18XS-250/500	1u
puriFlash®	C18XS	15 µm	60.0mm	275mm	PF15C18XS-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
puriFlash®	C18HP	15 µm	4.6mm	250mm	PF15C18HP-250/046	1u
puriFlash®	C18HP	15 µm	10.0mm	150mm	PF15C18HP-150/100	1u
puriFlash®	C18HP	15 µm	10.0mm	250mm	PF15C18HP-250/100	1u
puriFlash®	C18HP	15 µm	21.2mm	50mm	PF15C18HP-050/212	1u
puriFlash®	C18HP	15 µm	21.2mm	100mm	PF15C18HP-100/212	1u
puriFlash®	C18HP	15 µm	21.2mm	150mm	PF15C18HP-150/212	1u
puriFlash®	C18HP	15 µm	21.2mm	250mm	PF15C18HP-250/212	1u
puriFlash®	C18HP	15 µm	30.0mm	50mm	PF15C18HP-050/300	1u
puriFlash®	C18HP	15 µm	30.0mm	100mm	PF15C18HP-100/300	1u
puriFlash®	C18HP	15 µm	30.0mm	150mm	PF15C18HP-150/300	1u
puriFlash®	C18HP	15 µm	30.0mm	250mm	PF15C18HP-250/300	1u
puriFlash®	C18HP	15 µm	50.0mm	50mm	PF15C18HP-050/500	1u
puriFlash®	C18HP	15 µm	50.0mm	250mm	PF15C18HP-250/500	1u
puriFlash®	C18HP	15 µm	60.0mm	275mm	PF15C18HP-275/600	1u
puriFlash®	C18AQ	15 µm	4.6mm	250mm	PF15C18AQ-250/046	1u
puriFlash®	C18AQ	15 µm	10.0mm	150mm	PF15C18AQ-150/100	1u
puriFlash®	C18AQ	15 µm	10.0mm	250mm	PF15C18AQ-250/100	1u
puriFlash®	C18AQ	15 µm	21.2mm	50mm	PF15C18AQ-050/212	1u
puriFlash®	C18AQ	15 µm	21.2mm	100mm	PF15C18AQ-100/212	1u
puriFlash®	C18AQ	15 µm	21.2mm	150mm	PF15C18AQ-150/212	1u
puriFlash®	C18AQ	15 µm	21.2mm	250mm	PF15C18AQ-250/212	1u
puriFlash®	C18AQ	15 µm	30.0mm	50mm	PF15C18AQ-050/300	1u
puriFlash®	C18AQ	15 µm	30.0mm	100mm	PF15C18AQ-100/300	1u
puriFlash®	C18AQ	15 µm	30.0mm	150mm	PF15C18AQ-150/300	1u
puriFlash®	C18AQ	15 µm	30.0mm	250mm	PF15C18AQ-250/300	1u
puriFlash®	C18AQ	15 µm	50.0mm	50mm	PF15C18AQ-050/500	1u
puriFlash®	C18AQ	15 µm	50.0mm	250mm	PF15C18AQ-250/500	1u
puriFlash®	C18AQ	15 µm	60.0mm	275mm	PF15C18AQ-275/600	1u
puriFlash®	RPAQ	15 µm	4.6mm	250mm	PF15RPAQ-250/046	1u
puriFlash®	RPAQ	15 µm	10.0mm	150mm	PF15RPAQ-150/100	1u
puriFlash®	RPAQ	15 µm	10.0mm	250mm	PF15RPAQ-250/100	1u
puriFlash®	RPAQ	15 µm	21.2mm	50mm	PF15RPAQ-050/212	1u
puriFlash®	RPAQ	15 µm	21.2mm	100mm	PF15RPAQ-100/212	1u
puriFlash®	RPAQ	15 µm	21.2mm	150mm	PF15RPAQ-150/212	1u
puriFlash®	RPAQ	15 µm	21.2mm	250mm	PF15RPAQ-250/212	1u
puriFlash®	RPAQ	15 µm	30.0mm	50mm	PF15RPAQ-050/300	1u
puriFlash®	RPAQ	15 µm	30.0mm	100mm	PF15RPAQ-100/300	1u
puriFlash®	RPAQ	15 µm	30.0mm	150mm	PF15RPAQ-150/300	1u
puriFlash®	RPAQ	15 µm	30.0mm	250mm	PF15RPAQ-250/300	1u
puriFlash®	RPAQ	15 µm	50.0mm	50mm	PF15RPAQ-050/500	1u
puriFlash®	RPAQ	15 µm	50.0mm	250mm	PF15RPAQ-250/500	1u
puriFlash®	RPAQ	15 µm	60.0mm	275mm	PF15RPAQ-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
Uptisphere	C18-NEC	10 µm	4.6mm	250mm	UP10NEC-250/046	1u
Uptisphere	C18-NEC	10 µm	10.0mm	150mm	UP10NEC-150/100	1u
Uptisphere	C18-NEC	10 µm	10.0mm	250mm	UP10NEC-250/100	1u
Uptisphere	C18-NEC	10 µm	21.2mm	50mm	UP10NEC-050/212	1u
Uptisphere	C18-NEC	10 µm	21.2mm	100mm	UP10NEC-100/212	1u
Uptisphere	C18-NEC	10 µm	21.2mm	150mm	UP10NEC-150/212	1u
Uptisphere	C18-NEC	10 µm	21.2mm	250mm	UP10NEC-250/212	1u
Uptisphere	C18-NEC	10 µm	30.0mm	50mm	UP10NEC-050/300	1u
Uptisphere	C18-NEC	10 µm	30.0mm	100mm	UP10NEC-100/300	1u
Uptisphere	C18-NEC	10 µm	30.0mm	150mm	UP10NEC-150/300	1u
Uptisphere	C18-NEC	10 µm	30.0mm	250mm	UP10NEC-250/300	1u
Uptisphere	C18-NEC	10 µm	50.0mm	50mm	UP10NEC-050/500	1u
Uptisphere	C18-NEC	10 µm	50.0mm	250mm	UP10NEC-250/500	1u
Uptisphere	C18-NEC	10 µm	60.0mm	275mm	UP10NEC-275/600	1u
Uptisphere	C18-NEC	15 µm	4.6mm	250mm	UP15NEC-250/046	1u
Uptisphere	C18-NEC	15 µm	10.0mm	150mm	UP15NEC-150/100	1u
Uptisphere	C18-NEC	15 µm	10.0mm	250mm	UP15NEC-250/100	1u
Uptisphere	C18-NEC	15 µm	21.2mm	50mm	UP15NEC-050/212	1u
Uptisphere	C18-NEC	15 µm	21.2mm	100mm	UP15NEC-100/212	1u
Uptisphere	C18-NEC	15 µm	21.2mm	150mm	UP15NEC-150/212	1u
Uptisphere	C18-NEC	15 µm	21.2mm	250mm	UP15NEC-250/212	1u
Uptisphere	C18-NEC	15 µm	30.0mm	50mm	UP15NEC-050/300	1u
Uptisphere	C18-NEC	15 µm	30.0mm	100mm	UP15NEC-100/300	1u
Uptisphere	C18-NEC	15 µm	30.0mm	150mm	UP15NEC-150/300	1u
Uptisphere	C18-NEC	15 µm	30.0mm	250mm	UP15NEC-250/300	1u
Uptisphere	C18-NEC	15 µm	50.0mm	50mm	UP15NEC-050/500	1u
Uptisphere	C18-NEC	15 µm	50.0mm	250mm	UP15NEC-250/500	1u
Uptisphere	C18-NEC	15 µm	60.0mm	275mm	UP15NEC-275/600	1u
Uptisphere	C18-CN	10 µm	4.6mm	250mm	UP10CN-250/046	1u
Uptisphere	C18-CN	10 µm	10.0mm	150mm	UP10CN-150/100	1u
Uptisphere	C18-CN	10 µm	10.0mm	250mm	UP10CN-250/100	1u
Uptisphere	C18-CN	10 µm	21.2mm	50mm	UP10CN-050/212	1u
Uptisphere	C18-CN	10 µm	21.2mm	100mm	UP10CN-100/212	1u
Uptisphere	C18-CN	10 µm	21.2mm	150mm	UP10CN-150/212	1u
Uptisphere	C18-CN	10 µm	21.2mm	250mm	UP10CN-250/212	1u
Uptisphere	C18-CN	10 µm	30.0mm	50mm	UP10CN-050/300	1u
Uptisphere	C18-CN	10 µm	30.0mm	100mm	UP10CN-100/300	1u
Uptisphere	C18-CN	10 µm	30.0mm	150mm	UP10CN-150/300	1u
Uptisphere	C18-CN	10 µm	30.0mm	250mm	UP10CN-250/300	1u
Uptisphere	C18-CN	10 µm	50.0mm	50mm	UP10CN-050/500	1u
Uptisphere	C18-CN	10 µm	50.0mm	250mm	UP10CN-250/500	1u
Uptisphere	C18-CN	10 µm	60.0mm	275mm	UP10CN-275/600	1u

Preparative Prepacked LC Columns List

Type	Bonding	Particle	i.d.	Length	Part Number	Qty/pack
Uptisphere	C18-CN	15 µm	4.6mm	250mm	UP15CN-250/046	1u
Uptisphere	C18-CN	15 µm	10.0mm	150mm	UP15CN-150/100	1u
Uptisphere	C18-CN	15 µm	10.0mm	250mm	UP15CN-250/100	1u
Uptisphere	C18-CN	15 µm	21.2mm	50mm	UP15CN-050/212	1u
Uptisphere	C18-CN	15 µm	21.2mm	100mm	UP15CN-100/212	1u
Uptisphere	C18-CN	15 µm	21.2mm	150mm	UP15CN-150/212	1u
Uptisphere	C18-CN	15 µm	21.2mm	250mm	UP15CN-250/212	1u
Uptisphere	C18-CN	15 µm	30.0mm	50mm	UP15CN-050/300	1u
Uptisphere	C18-CN	15 µm	30.0mm	100mm	UP15CN-100/300	1u
Uptisphere	C18-CN	15 µm	30.0mm	150mm	UP15CN-150/300	1u
Uptisphere	C18-CN	15 µm	30.0mm	250mm	UP15CN-250/300	1u
Uptisphere	C18-CN	15 µm	50.0mm	50mm	UP15CN-050/500	1u
Uptisphere	C18-CN	15 µm	50.0mm	250mm	UP15CN-250/500	1u
Uptisphere	C18-CN	15 µm	60.0mm	275mm	UP15CN-275/600	1u
Uptisphere	C18-NH2	10 µm	4.6mm	250mm	UP10NH2-250/046	1u
Uptisphere	C18-NH2	10 µm	10.0mm	150mm	UP10NH2-150/100	1u
Uptisphere	C18-NH2	10 µm	10.0mm	250mm	UP10NH2-250/100	1u
Uptisphere	C18-NH2	10 µm	21.2mm	50mm	UP10NH2-050/212	1u
Uptisphere	C18-NH2	10 µm	21.2mm	100mm	UP10NH2-100/212	1u
Uptisphere	C18-NH2	10 µm	21.2mm	150mm	UP10NH2-150/212	1u
Uptisphere	C18-NH2	10 µm	21.2mm	250mm	UP10NH2-250/212	1u
Uptisphere	C18-NH2	10 µm	30.0mm	50mm	UP10NH2-050/300	1u
Uptisphere	C18-NH2	10 µm	30.0mm	100mm	UP10NH2-100/300	1u
Uptisphere	C18-NH2	10 µm	30.0mm	150mm	UP10NH2-150/300	1u
Uptisphere	C18-NH2	10 µm	30.0mm	250mm	UP10NH2-250/300	1u
Uptisphere	C18-NH2	10 µm	50.0mm	50mm	UP10NH2-050/500	1u
Uptisphere	C18-NH2	10 µm	50.0mm	250mm	UP10NH2-250/500	1u
Uptisphere	C18-NH2	10 µm	60.0mm	275mm	UP10NH2-275/600	1u
Uptisphere	C18-NH2	15 µm	4.6mm	250mm	UP15NH2-250/046	1u
Uptisphere	C18-NH2	15 µm	10.0mm	150mm	UP15NH2-150/100	1u
Uptisphere	C18-NH2	15 µm	10.0mm	250mm	UP15NH2-250/100	1u
Uptisphere	C18-NH2	15 µm	21.2mm	50mm	UP15NH2-050/212	1u
Uptisphere	C18-NH2	15 µm	21.2mm	100mm	UP15NH2-100/212	1u
Uptisphere	C18-NH2	15 µm	21.2mm	150mm	UP15NH2-150/212	1u
Uptisphere	C18-NH2	15 µm	21.2mm	250mm	UP15NH2-250/212	1u
Uptisphere	C18-NH2	15 µm	30.0mm	50mm	UP15NH2-050/300	1u
Uptisphere	C18-NH2	15 µm	30.0mm	100mm	UP15NH2-100/300	1u
Uptisphere	C18-NH2	15 µm	30.0mm	150mm	UP15NH2-150/300	1u
Uptisphere	C18-NH2	15 µm	30.0mm	250mm	UP15NH2-250/300	1u
Uptisphere	C18-NH2	15 µm	50.0mm	50mm	UP15NH2-050/500	1u
Uptisphere	C18-NH2	15 µm	50.0mm	250mm	UP15NH2-250/500	1u
Uptisphere	C18-NH2	15 µm	60.0mm	275mm	UP15NH2-275/600	1u

– Exemple of applications

TLC to NP-Flash

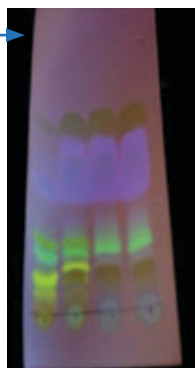
1) TLC development:

Eluent:
50 Cyclohexane / 50 DCM

Eluent:
55 Cyclohexane / 45 DCM



Adaptation
of TLC
conditions
to get R_f
between
0.05 & 0.35

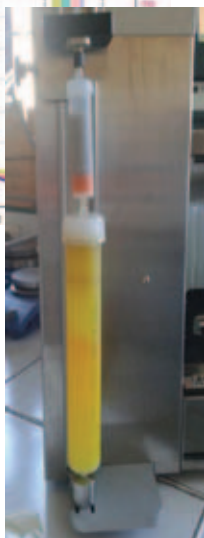
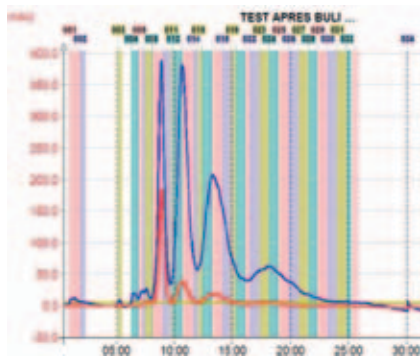
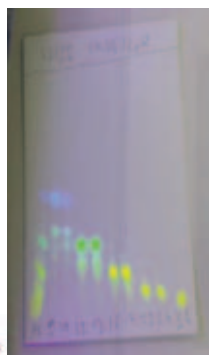


2) Choise of the column:

Crude sample: 800mg (mixture of 8 compounds)
Column: PF-15SIHC/120g
Loading capacity: 0.6%

3) Flash condition:

Injection mode: Solid deposit with celite
Eluent: 55 Cyclohexane / 45 DCM
Flow rate: 60mL/min
Detector: 254nm (red signal)
+ Scan: 230-450nm (blue signal)
P= 12bar

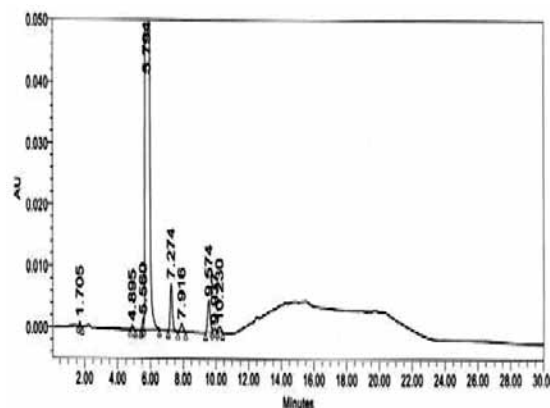


HPLC to RP-Flash

1) Analytical conditions:

Column: 5µm C18, 250 mm x 4,6 mm
Eluent: A) Water HPLC - B) Acetonitrile
Flow rate: 1,0 ml/min
Detection: 210 nm
V injection: 10 µl
Concentration: 0.5mg/mL in Acetonitrile
Gradient:

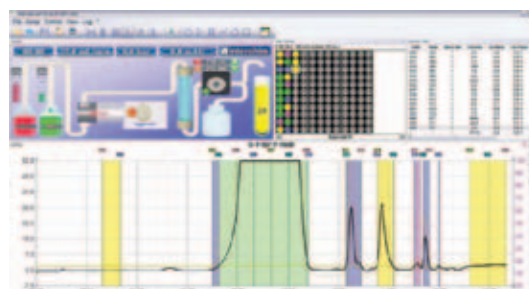
t (min)	% A	% B
0	50	50
8	50	50
11	20	80
17	20	80
20	50	50
30	50	50



2) Flash Condition on puriFlash® 450:

Injection Mode: Liquid
Column: PF-15C18/55g
V inj: 215µL
Flow rate: 35mL/min
Detector UV: 210nm + Scan 210-600nm
Solvent: A-Water, B-ACN
Pressure: 8 bar

t (min)	% A	% B
0	70	30
8:12	70	30
13:34	15	85
18:40	15	85
23	70	30



– Technical tips

□ Loading capacity

The loading capacity depends on the ΔCV of the TLC plate or the resolution between 2 peaks obtains on the LC column. Higher the resolution and ΔCV are, the more important the load can be.

Example:

Transposition TLC to Flash

Silica IR-50Si, SIHP columns

if $\Delta CV \leq 1$:	loading: 0.1% - 0.5%
if $1 \leq \Delta CV \leq 6$:	loading: 0.5% - 4%
if $\Delta CV \geq 6$:	loading: 4% - 10%

NH₂, DIOL, CN, C18 columns

if $\Delta CV \leq 1$:	loading: 0.1% - 0.5%
if $1 \leq \Delta CV \leq 6$:	loading: 0.5% - 2%
if $\Delta CV \geq 6$:	loading: 2% - 5%

Sorbent:		Load 0.1%	Load 10%
puriFlash® Silica SI HP puriFlash® Silica Standard	4g	0.004g	0.4g
	12g	0.012g	1.2g
	25g	0.025g	2.5g
	40g	0.04g	4g
	80g	0.08g	8g
	120g	0.12g	12g
	200g	0.2g	20g
	300g	0.3g	30g
	800g	0.8g	80g
	1600g	1.6g	160g

Sorbent:		Load 0.1%	Load 20%
puriFlash® Silica SI HC	4g	0.004g	0.8g
	12g	0.012g	2.4g
	25g	0.025g	5g
	40g	0.04g	8g
	80g	0.08g	16g
	120g	0.12g	24g
	200g	0.2g	40g
	300g	0.3g	60g
	800g	0.8g	160g
	1600g	1.6g	320g

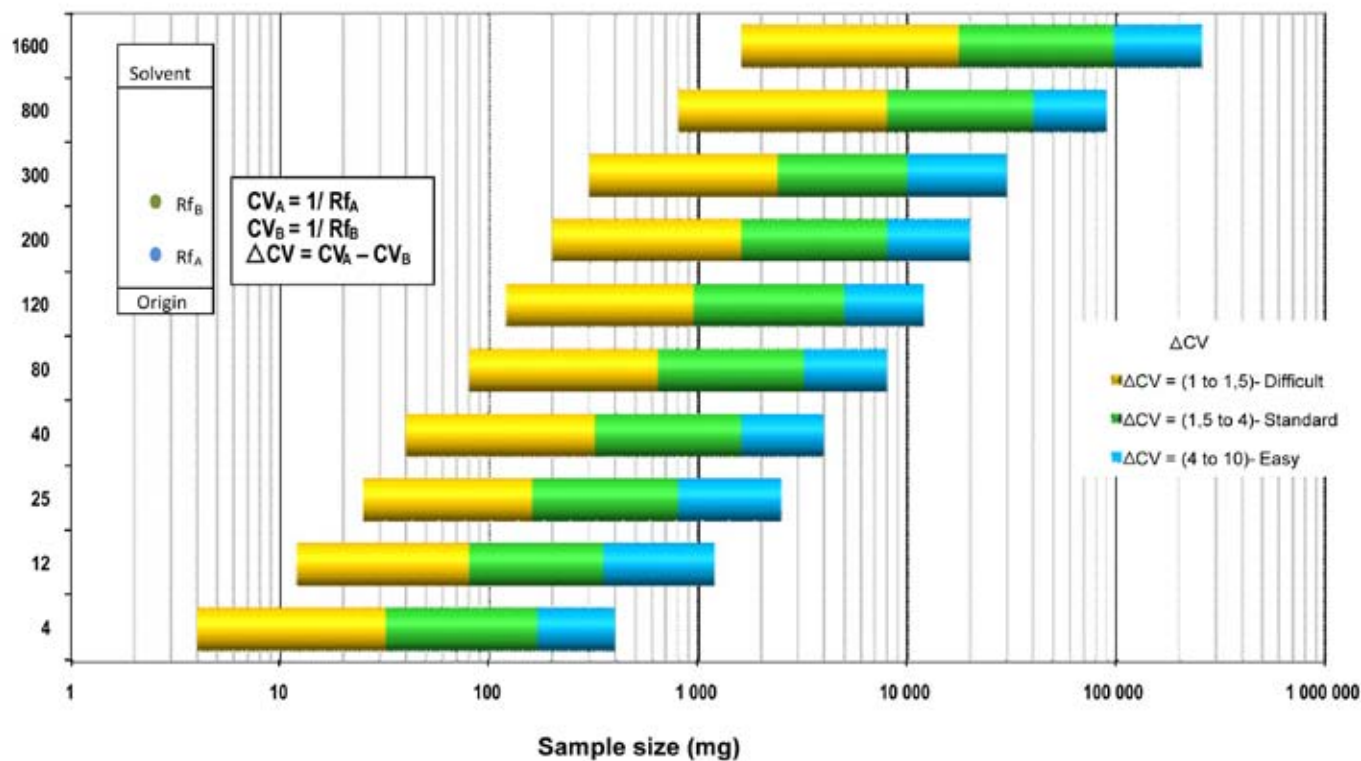
Sorbent:		Load 0.1%	Load 5%
puriFlash® C18HP	6g	0.006g	0.3g
puriFlash® C18HQ	20g	0.002g	1g
puriFlash® C18XS pH stable	35g	0.035g	1.75g
puriFlash® C18AQ	55g	0.055g	2.75g
puriFlash® RPAQ	120g	0.12g	6g
puriFlash® C18 Standard	175g	0.175g	8.75g
puriFlash® CN	300g	0.3g	15g
puriFlash® Diol	450g	0.45g	22.5g
puriFlash® NH ₂	1250g	1.25g	62.5g
puriFlash® DEAP	2500g	2.5g	125g

Sorbent:		Load 0.1%	Load 8%
puriFlash® C18HC	6g	0.006g	0.48g
	20g	0.002g	1.6g
	35g	0.035g	2.8g
	55g	0.055g	4.4g
	120g	0.12g	9.6g
	175g	0.175g	14g
	300g	0.3g	24g
	450g	0.45g	36g
	1250g	1.25g	100g
	2500g	2.5g	200g

Sorbent:		Load 0.1%	Load 7%
puriFlash® NH ₂ HC	6g	0.006g	0.42g
	20g	0.002g	1.4g
	35g	0.035g	2.45g
	55g	0.055g	3.85g
	120g	0.12g	8.4g
	175g	0.175g	12.25g
	300g	0.3g	21g
	450g	0.45g	31.5g
	1250g	1.25g	87.5g
	2500g	2.5g	175g

Sorbent:		Load 0.1%	Load 25%
puriFlash® Atoll X puriFlash® PolyClean 302H	2g	0.002g	0.5g
	7g	0.007g	1.75g
	10g	0.01g	2.5g
	18g	0.018g	4.5g
	40g	0.04g	10g
	55g	0.055g	13.75g
	100g	0.1g	25g
	150g	0.15g	37.5g
	400g	0.4g	100g
	800g	0.8g	200g

□ Loading capacity chart based on IR-50SI

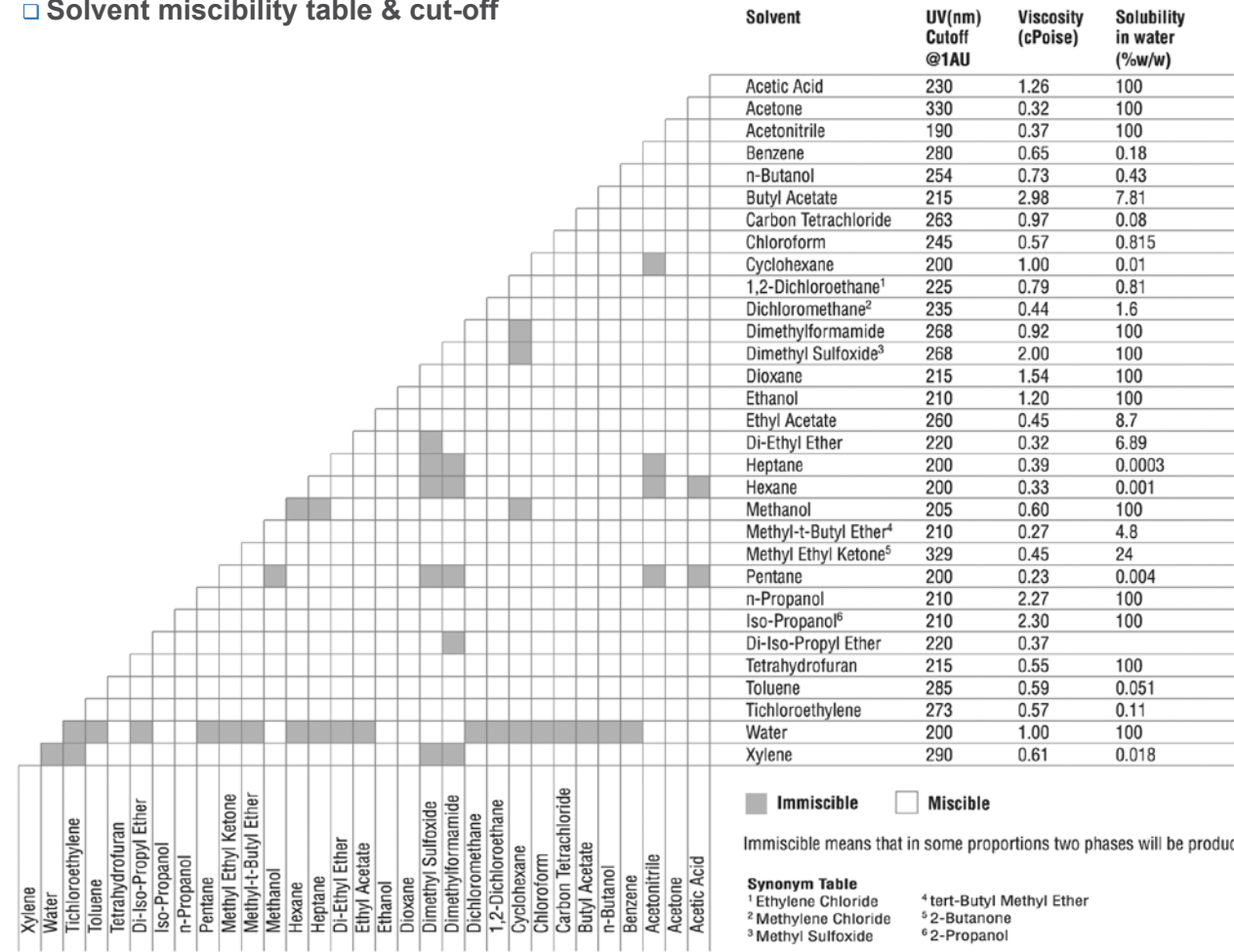


☐ Solvent Strength in Flash Chromatography

Solvent	Solvent strength	Solvent	Solvent strength
Petroleum ether	0.01	Butanol	0.56
Hexane	0.01	Tetrahydrofuran	0.57
Heptane	0.01	Ethyl acetate	0.58
Cyclohexane	0.04	Acetonitrile	0.65
CCl4	0.18	Pyridine	0.71
Toluene	0.29	Dimethylsulfoxide	0.75
Diethyl ether	0.38	Isopropanol	0.82
Chloroform	0.40	Ethanol	0.88
Dichloromethane	0.42	Methanol	0.95
Dichloroethylene	0.49	Water	> 0.95
Acetone	0.56	Acetic acid	> 0.95
Dioxane	0.56		

Solvent strength calculation:
$$\frac{(\% \text{ Solvent A} \times \text{solvent A strength}) + (\% \text{ Solvent B} \times \text{solvent B strength})}{100}$$

☐ Solvent miscibility table & cut-off



Equilibration volume per column

	weight	CV0 (mL)	nb of CV0
IR-50SI PF-50SIHP	4 g	5	x5
	12 g	19	x4
	25 g	32	x4
	40 g	48	x4
	80 g	102	x4
	120 g	153	x3
	200 g	269	x3
	300 g	405	x3
	800 g	1078	x2
	1600 g	2170	x2

PF-30SIHP PF-50SIHC PF-25SIHC PF-15SIHC PF-15SIHP	4 g	5	x4
	12 g	19	x3
	25 g	32	x3
	40 g	48	x3
	80 g	102	x3
	120 g	153	x2
	200 g	269	x2
	300 g	405	x2
	800 g	1078	x2
	1600 g	2170	x2

C18 C8 C4 CN NH2 NH2HC DEAP Diol SCX, SAX, MM1	6 g	5	x5
	20 g	19	x5
	35 g	32	x5
	55 g	48	x5
	120 g	102	x5
	175 g	153	x5
	300 g	269	x5
	450 g	405	x5
	1250 g	1078	x5
	2500 g	2170	x5

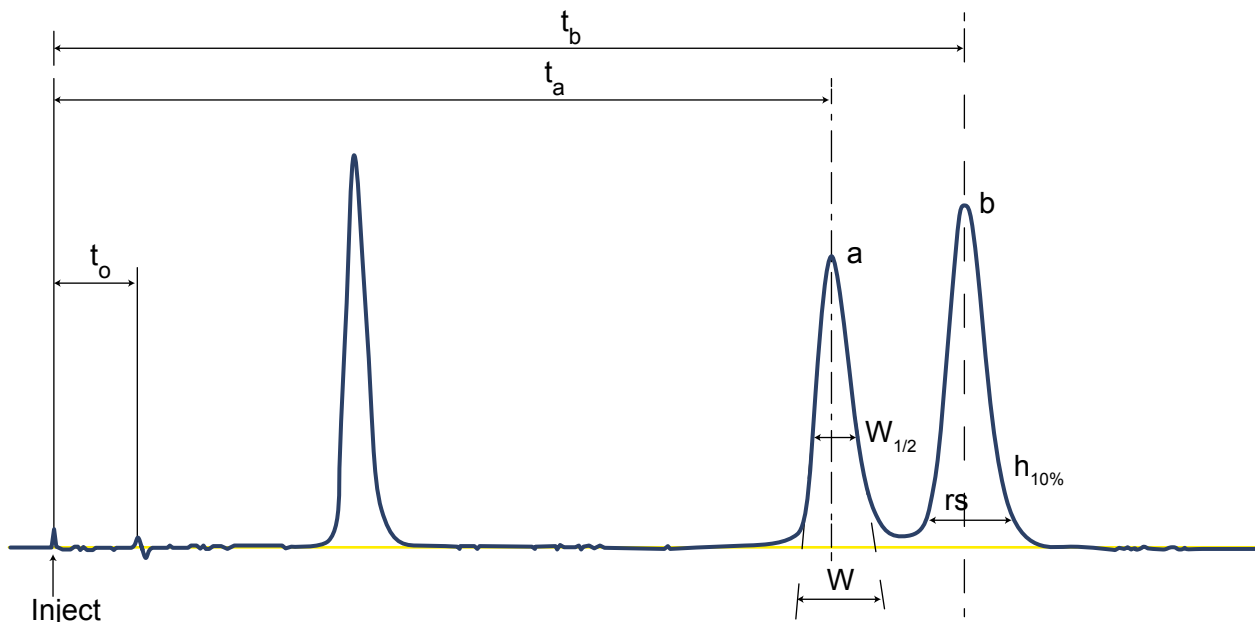
PF-30HILIC	6 g	5	x6
	20 g	19	x6
	35 g	32	x6
	55 g	48	x6
	120 g	102	x6
	175 g	153	x6
	300 g	269	x6
	450 g	405	x6
	1250 g	1078	x6
	2500 g	2170	x6

PF-X PF-302H	weight	CV0 (mL)	nb of CV0
	2 g	5	x5
	7 g	19	x5
	10 g	32	x5
	18 g	48	x5
	40 g	102	x5
	55 g	153	x5
	100 g	269	x5
	150 g	405	x5
	400 g	1078	x5
	800 g	2170	x5

PF-100P6	2 g	5	x5
	8 g	19	x5
	12 g	32	x5
	20 g	48	x5
	45 g	102	x5
	65 g	153	x5
	115 g	269	x5
	175 g	405	x5
	465 g	1078	x5
	940 g	2170	x5

Cellufine	7ML	5	x8
	27ML	19	x8
	45ML	32	x8
	68ML	48	x8
	145ML	102	x8
	215ML	153	x8
	375ML	269	x8
	575ML	405	x8
	1540ML	1078	x8
	3100ML	2170	x8

□ Fundamental of HPLC Theory



t_o = elution time for an unretained solute

t_a = retention time for solute "a"

t_b = retention time for solute "b"

$w_{1/2}$ = peak width at half height

W = peak width at peak base

$h_{10\%}$ = 10% peak height

s = horizontal distance from peak maximum to tail

r = horizontal distance from peak maximum to front

Asymmetry

Peak asymmetry at 10% peak height = $A_{10\%} = \frac{s}{r}$

Retention Factor

⚠ It varies with the stationary phase, mobile phase, temperature, etc.

$$K_1 = \frac{t_a - t_o}{t_o} \text{ for peak "a"}$$

Selectivity

For peaks "a" and "b"

$$\alpha = \frac{k'_b}{k'_a}$$

Efficiency

The column efficiency is the number of theoretical plates.

For peak "a":

$$N = 5.54 \left(\frac{t_a}{W_{1/2}} \right)^2 \quad \text{or} \quad N = 16 \left(\frac{t_a}{W} \right)^2$$

N is expressed as plates per column or plates per metre.

Height Equivalent of a Theoretical Plate, H .

$$H = \frac{L_{\text{(column height)}}}{N_{\text{(efficiency)}}}$$

h is a measure of column packing performance.

h = reduced plate height

$$h = \frac{H}{d_p} = \frac{L}{N \cdot d_p}$$

d_p = mean particle diameter

Resolution - General

$$R_s = \frac{t_b - t_a}{1/2(W_a + W_b)}$$

Baseline Resolution achieve with $R_s \geq 1.5$

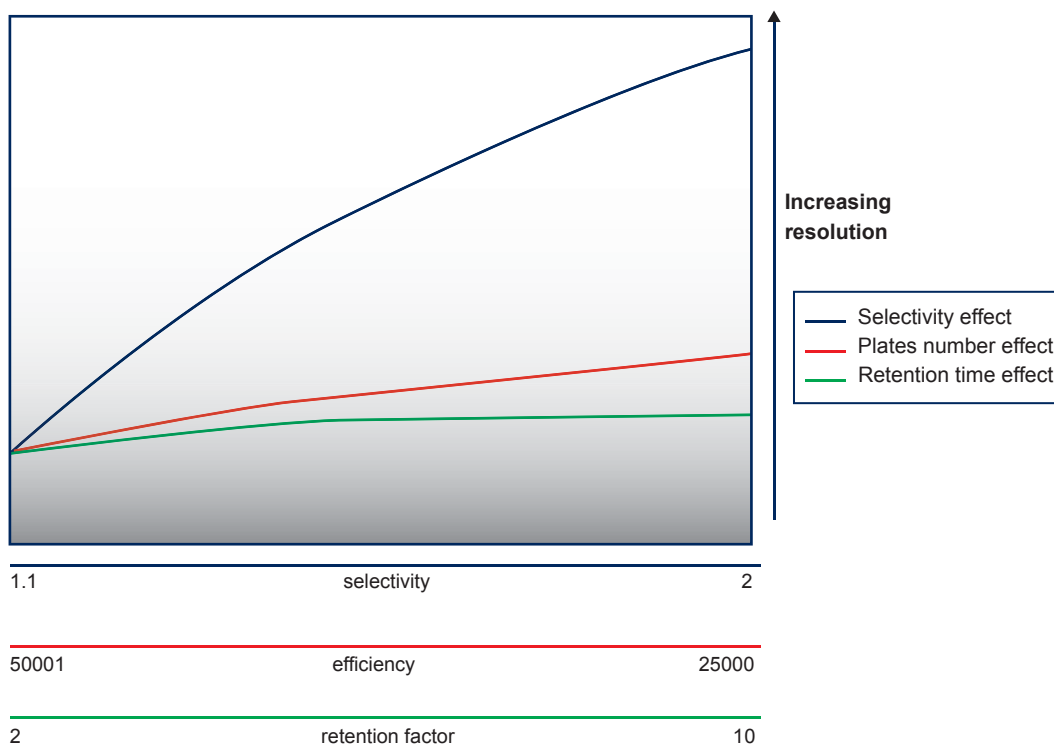
For peaks close to each other, resolution is related to efficiency, selectivity and retention.

It can also be expressed as follows:

$$R_s = \frac{\sqrt{N}}{4} \cdot \frac{(\alpha - 1)}{\alpha} \cdot \frac{k}{(k + 1)}$$

Selectivity can deeply modify the resolution.

It is the most important parameter leading to the separation of the compounds.



– Recommendation to use puriFlash® columns

□ puriFlash® columns User Guide

Storage before use:

Store the columns in a cool place, away from light and dust.
Do not remove the blue fittings until the column is required for use.

First use:

puriFlash® columns fittings are Luer-type.
Attach the bottom of the column to a female Luer connector.
Attach the top of the column to a male Luer-lock connector.

Column conditioning:

This stage is essential to benefit of the full performance of the column.
It activates the silica & expels the air present in the column.
For optimum purification, this stage must be performed before the sample is loaded.
Rinse the column with 3 to 5 column volumes of solvent.
The solvent chosen is generally the solvent used for the beginning of purification.



Conditioning with a strong eluent will result in poor separation due to the high affinity of the solvent with the compounds to be purified.
Drying the column after the conditioning stage results in column performance loss.

Loading the sample:

There are two main sample loading techniques:

Liquid injection: the sample must be soluble with the eluent used for the beginning of purification or with a less eluting solvent.
It is dissolved in minimum solvent to prevent peak broadening (dispersion phenomenon).

Solid deposit: The sample is unsolvable or sparingly soluble in the primary solvent.
1 to 2 g of silica per g of raw sample is introduced into a flask.
A solvent is added to dissolve the entire sample.
The mixture is evaporated under vacuum until a dry residue is obtained.
The mixture is loaded into a solid deposit module.
We recommend to carefully rid off air from the dryload by flushing it with an appropriate solvent before coupling to the column.

Operating pressure:

Never exceed the operating pressure limit values specified on the column.

Storage after use:

The columns may be either stored in an appropriate solvent for a period of approximately one week, with the exception of hexane & cyclohexane (for which the shelf-life should not exceed one day) or dried immediately prior to disposal.



Used columns must be reprocessed according to the applicable standards for this type of waste.

□ puriFlash® Cleaning & Storage

Stationary Phase	Initial Storage	Activation	Lavage	Storage
puriFlash® C18HP puriFlash® C18HC puriFlash® C18HQ puriFlash® C18XS puriFlash® C18 Standard puriFlash® C18T bio puriFlash® C8 bio puriFlash® C4 bio	Before use: Store the column dry in a cool place & away from light & dust.	Rinse with 50% MeOH - 50% water. A minimum of 3% of organic is required to keep the activation of the bonded phase. 3 to 4 column volume are necessary. Once the column is activated never dry it .	After each run: Rinse with 3 to 4 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of organic such as Acetonitrile, MeOH, Ethanol, Isopropanol,... For a long term storage, flush the column with miscible solvents to reach at least a 50% of Acetonitrile (or MeOH) - 50% water or 100% of Isopropanol. For both, pass through 6 to 8 column volumes.
puriFlash® C18AQ puriFlash® RPAQ	Before use: Store the column dry in a cool place & away from light & dust.	Rinse with 50% MeOH - 50% water. Depending of the mobile phase chosen for the purification, rinse the column with 100% of water. 3 to 4 column volume are necessary. Once the column is activated never dry it .	After each run: Rinse with 3 to 4 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of organic such as Acetonitrile, MeOH, Ethanol, Isopropanol,... For a long term storage, flush the column with miscible solvents to reach at least a 50% of Acetonitrile (or MeOH) - 50% water or 100% of Isopropanol. For both, pass through 6 to 8 column volumes.
puriFlash® Atoll X puriFlash® PolyClean 302H	Before use: Store the column dry in a cool place & away from light & dust.	Rinse with 50% MeOH - 50% water. A minimum of 5% of organic is required to keep the activation of the bonded phase. 3 to 4 column volume are necessary. Once the column is activated never dry it .	After each run: Rinse with 3 to 4 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of organic such as Acetonitrile, MeOH, Ethanol, Isopropanol,... For a long term storage, flush the column with miscible solvents to reach at least a 50% of Acetonitrile (or MeOH) - 50% water or 100% of Isopropanol. For both, pass through 6 to 8 column volumes.

Important: the blue plug at the top & the bottom of the column must be always in place to avoid solvent evaporation.

Stationary Phase	Initial Storage	Activation	Lavage	Storage
puriFlash® CN puriFlash® NH2 puriFlash® NH2HC puriFlash® DEAP puriFlash® Diol	Before use: Store the column dry in a cool place & away from light & dust.	If the column will be used under NP mode: Rinse with 100% Heptane. 3 to 4 column volume are necessary. Once the column is activated never dry it. Do not leave the column under Heptane or Hexane for more than a day. If the column will be used under RP mode: Rinse with 50% MeOH - 50% water. A minimum of 5% of organic is required to keep the activation of the bonded phase. 3 to 4 column volume are necessary. Once the column is activated never dry it.	After each run: Rinse with 3 to 4 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of Ethanol or Isopropanol, ... For a long term storage, flush the column with miscible solvents to reach at least a 50% of Ethanol - 50% water or 100% of Isopropanol. For both, pass through 6 to 8 column volumes.
puriFlash® SCX puriFlash® MM1	Before use: Store the column dry in a cool place & away from light & dust.	Rinse with 50% MeOH - 50% water. 6 to 8 column volume are necessary. Once the column is activated never dry it.	After each run: Rinse with 6 to 8 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of Ethanol or Isopropanol plus 0.5% of Sodium azide. For a long term storage, flush the column with miscible solvents to reach 1M acetic acid in MeOH, pass through 8 to 10 column volumes, then reach at least a 50% of Ethanol - 50% water plus 0.5% of Sodium azide. or 100% of Isopropanol plus 0.5% of Sodium azide.
puriFlash® SAX	Before use: Store the column dry in a cool place & away from light & dust.	Rinse with 50% MeOH - 50% water. 6 to 8 column volume are necessary. Once the column is activated never dry it.	After each run: Rinse with 6 to 8 column volumes of the strongest solvent (100%) to remove impurities. A backflush technique provides greater cleaning.	After the final run: For a short term storage, flush the column with miscible solvents to reach at least a 20 to 25% of Ethanol or Isopropanol plus 0.5% of Sodium azide. For a long term storage, flush the column with miscible solvents to reach 5% NH4OH in MeOH, pass through 8 to 10 column volumes, then reach at least a 50% of Ethanol - 50% water plus 0.5% of Sodium azide. or 100% of Isopropanol plus 0.5% of Sodium azide.

Important: the blue plug at the top & the bottom of the column must be always in place to avoid solvent evaporation.



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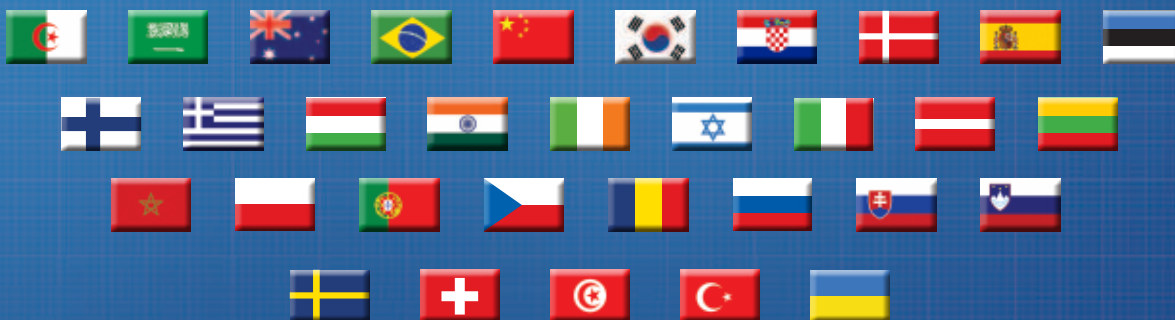
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