



PURIFICATION

BY LIQUID CHROMATOGRAPHY

FLASH & PREPARATIVE



Flash Purification

Ultra Performance Flash Purification

PF-215



Discover the Modern Purification
Academia Research
Columns Flash: F0001 to F0330

PF-430



Enter the UPFP Concept
Routine Lab Scale
Columns Flash: F0001 to F0330
prep-LC: up to 80mm id & 15µm SI

PF-XS 420



Compact, Techno-Quality
& Affordable
for Routine Purification
Columns Flash up to F0800

Main features

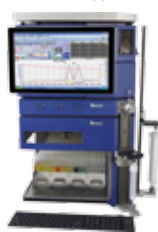
	PF-215	PF-430	PF-XS 420
Pump			
Flow rate	200 ml/min	200 ml/min	300 ml/min
Pressure max.	15 bar	30 bar	20 bar
Quaternary Gradient	option	yes	420+ / 420 Ultra
Binary Gradient	yes	n/a	420
Mixing chamber	fixed volume	fixed volume	fixed volume
Air purge	option	option	420+ / 420 Ultra
Washing discs	yes	yes	no
Solvent tray (w/drainage system)	option	yes	yes
Detector			
UV : 200 - 400 nm multi wavelength & scan collection	yes	yes	420 / 420+
UV : 200 - 800 nm multi wavelength & scan collection	option	option	420 Ultra
Spectral view & purity confirmation	yes	yes	yes
Flow cell-optical length	0.3mm	0.3mm	0.3mm
ELSD Detection	option	option	n/a
MS simple Quad APCI- 1200 or 2000m/z	option	option	n/a
Refractive Index	option	option	n/a
Injection			
6 port electrical valve w/loop	option	option	no
4 port electrical valve	no	no	420 Ultra
Injection mode: liquid - Dry load	yes	yes	yes
Super loop via external pump	option	option	n/a
Additional valves			
Back Flush	option	option	n/a
Switch columns	option	option	n/a
Manual Purge Valve	flash (option)	flash & prep (option)	no
Column holder			
Integrated	option	yes	yes
Stand Alone	option	option	option
Pre-column holder	option	option	no
Extension kit for large columns	option	option	no
Adapters semi-prep/prep	no	option	no
Fraction Collector			
Regular Collector	4 racks - 176 tubes 18x150mm	4 racks - 176 tubes 18x150mm	2 long racks - 112 tubes 18x150mm
Collector w/ELSD	3 racks - 132 tubes 18x150mm	3 racks - 132 tubes 18x150mm	n/a
Unit control			
Touch screen 15"	yes	yes	yes
USB	4	4	4
RJ45	yes	yes	yes
Flexible keyboard	option	yes	no
Interchim® Soft ver. 5.1	yes	yes	yes
Safety			
Column compatibility (particle size)	25µm, 30µm, 50µm	15µm, 25µm, 30µm, 50µm	15µm, 25µm, 30µm, 50µm
Pump Leak detection	yes	yes	no
Collector Leak detection	option	option	no
Collector w/drainage system	option	option	yes
Solvent level monitoring	option	option	option
Fume Encloser	option	option	included
Size	W: 18.9"xD: 17.5"xH: 27"	W: 18.9"xD: 17.5"xH: 27"	W: 14"xD: 18.5"xH: 30"



Ultra Performance Flash Purification

Process

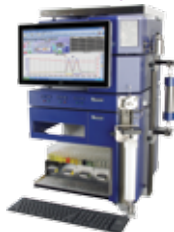
PF-450



Crossover Flash /prep-LC

Lab Scale
Columns Flash: F0001 to F0800
prep-LC: up to 80mm id & 15µm

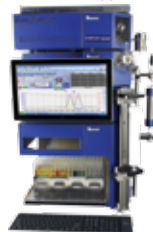
PF-4125



Premium Flash /prep-LC

Lab Scale
Columns Flash: F0001 to F0800
prep LC: up to 80mm id & 10µm C18 - 5µm SI

PF-4250



Premium preparative-LC

Lab Scale
Columns Flash: F0001 to F0800
prep-LC: up to 80mm id & 5µm

PF-800



Process

Pilot Purification
Columns Flash: F0800 to F1600

250 ml/min	250 ml/min	250 ml/min	750 ml/min
50 bar	125 bar	250 bar	7 bar
yes	yes	yes	yes
n/a	n/a	n/a	n/a
fixed volume	fixed volume	fixed volume	fixed volume
yes	yes	yes	no
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
option	option	option	option
yes	yes	yes	yes
0.3mm	0.3mm	0.3mm	0.3mm
option	option	option	no
option	option	option	no
option	option	option	no
yes	yes	yes	no
no	no	no	no
yes	yes	yes	yes
option	option	option	option
option	option	PF-4250	no
PF-450-2X	PF-4125-2X	PF-4250-2X	no
flash & prep (option)	flash & prep (option)	flash (option) & prep (yes)	flash (option)
yes	yes	yes	yes
option	option	option	option
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	no
4 racks - 176 tubes 18x150mm	4 racks - 176 tubes 18x150mm	4 racks - 176 tubes 18x150mm	4 racks - 56 tubes 29.5x200mm
3 racks - 132 tubes 18x150mm	3 racks - 132 tubes 18x150mm	3 racks - 132 tubes 18x150mm	n/a
yes	yes	yes	yes
4	4	4	4
yes	yes	yes	yes
yes	yes	yes	yes
yes	yes	yes	yes
15µm, 25µm, 30µm, 50µm	10µm, 15µm, 25µm, 30µm, +	5µm, 10µm, 15µm, +	25µm, 30µm, 50µm
yes	yes	yes	yes
option	option	option	option
option	option	option	option
option	option	option	option
option	option	option	option
W: 18.9"xD: 17.5"xH: 30"	W: 18.9"xD: 17.5"xH: 30"	W: 18.9" - 48xD: 17.5"xH: 33.5"	W: 18.9"xD: 17.5"xH: 27"



puriFlash® 215

200 ml/min @ up to 15 bar



Discover the Modern Flash Purification for Academia - Research



Interchim® Software ver. 5.1
User-friendly
Click & Drag Gradient
AGO

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
4 racks
176 tubes 18x150mm

Modular & Easy to Maintain
Built to last

Pump
Binary Gradient
Washing discs, Leak detection

Injection
Liquid or solid injection
Dry-Load w/column equilibration.

Detection
UV: 200-400nm
Multi wavelength & Scan collection
Spectral view & Purity confirmation
Flow Cell - optical length: 0.3mm

Additional Detection
Preparative-Integrated ELSD
Saga technology
Lowest sample hold up volume on the market

Flash Column up to F0330

I Accurate, Linear & Repeatable I

P/N: LO5660





puriFlash® 430

200 ml/min @ up to 30 bar

Enter the UPFP Concept
for Routine Lab Scale



Solvent tray w/drainage system

Interchim® Software ver. 5.1
User-friendly
Click & Drag Gradient
AGO

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
4 racks
176 tubes 18x150mm

Modular & Easy to Maintain
Built to last

Pump
Quaternary Gradient
Washing discs, Leak detection

Injection
Liquid or solid injection
Dry-Load w/column equilibration.

Detection
UV: 200-400nm
Multi wavelength & Scan collection
Spectral view & Purity confirmation
Flow Cell - optical length: 0.3mm

Additional Detection
Preparative-Integrated ELSD
Saga technology
Lowest sample hold up volume
on the market

Flash columns up to F0330

Integrated flash cols holder

I Accurate, Linear & Repeatable I

P/N: PF4300



#DareRevolution

http://www.interchim.com/puriflash_XS420.php

User-Friendly / Techno-Quality

puriFlash® XS 420+

Compact / Affordable

RUN 24/7 WITH CONFIDENCE

4G to 800G FOR ROUTINE PURIFICATION

300 ml/min @ up to 20 bar

> 95% recovery, 1 mAU Threshold

15"-TOUCH SCREEN
14"-35.5 CM WIDTH

Organics Synthesis
Impurities Identification
Natural Products
Peptides, Oligo-Nucleotides
Bio-Drugs
Metabolites Isolation
Traces Enrichment



Though to follow you everywhere, the system fits into all fume hoods, nevertheless it can be installed on side safely with its fume enclosure option



Keep It Simple, Smart

Interchim® Software ver. 5.1
User-friendly
Click & Drag Gradient
AGO

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
2 long racks
112 tubes 18x150mm
Drainage system of free collector

Modular & Easy to Maintain
Built to last



Solvent tray w/drainage system

Injection
Liquid or solid injection
Dry-Load w/column equilibration.

PF-XS 420 Ultra:
Load & Go™ technology: an automated
4 port electric valve manage solid injection
(Dry-load)

Pump
PF-XS420: Binary Gradient

PF-XS420+ & PF-XS 420 Ultra:
Quaternary Gradient + Air purge

I Accurate, Linear & Repeatable I

Detection
PF-XS420 & PF-XS420+: UV: 200-400nm
PF-XS420 Ultra: UV: 200-800nm
Multi wavelength & Scan collection
Spectral view & Purity confirmation
Flow Cell - optical length: 0.3mm

Flash columns up to F0800

14" - 35.5cm width
Smallest footprint on the market

Integrated flash cols holder

**When you see it first you'll wonder how we ever put so much technology and knowledge in such a small machine!
Don't question anymore yourself, now it's time to take pleasure in trying it.**

PF-XS420+ (220v)

P/N: 1R1070

PF-XS420+ (110v)

P/N: 1R1071

PF-XS420 Ultra (220v)

P/N: 1R5880

PF-XS420 Ultra (110v)

P/N: 1R5881



puriFlash® 450

250 ml/min @ up to 50 bar



Crossover Flash /prep-LC for Lab Scale Purifications

Solvent tray w/drainage system

Interchim® Software ver. 5.1
User-friendly
Click & Drag Gradient
AGO

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
4 racks
176 tubes 18x150mm

Modular & Easy to Maintain
Built to last



Pump
Quaternary Gradient - Air purge
Washing discs, Leak detection

Detection
UV: 200-400nm
Multi wavelength & Scan collection
Spectral view & Purity confirmation
Flow Cell - optical length: 0.3mm

Additional Detection
Preparative-Integrated ELSD
Saga technology
Lowest sample hold up volume on the market

Injection Load & Go™ technology
(Automated 6 port electric valve w/loop)
Liquid or solid injection
Dry-Load w/column equilibration.
Large injection vol. via external pump
Switch column valve 2X version

Flash Column up to F1600
Prep-LC Column up to 80 mm id

Integrated flash & prep LC Holder

Pre-column or column Holder

| Accurate, Linear & Repeatable |

PF-450

P/N: FJ9440

PF-450 2X (Inj./Switch)

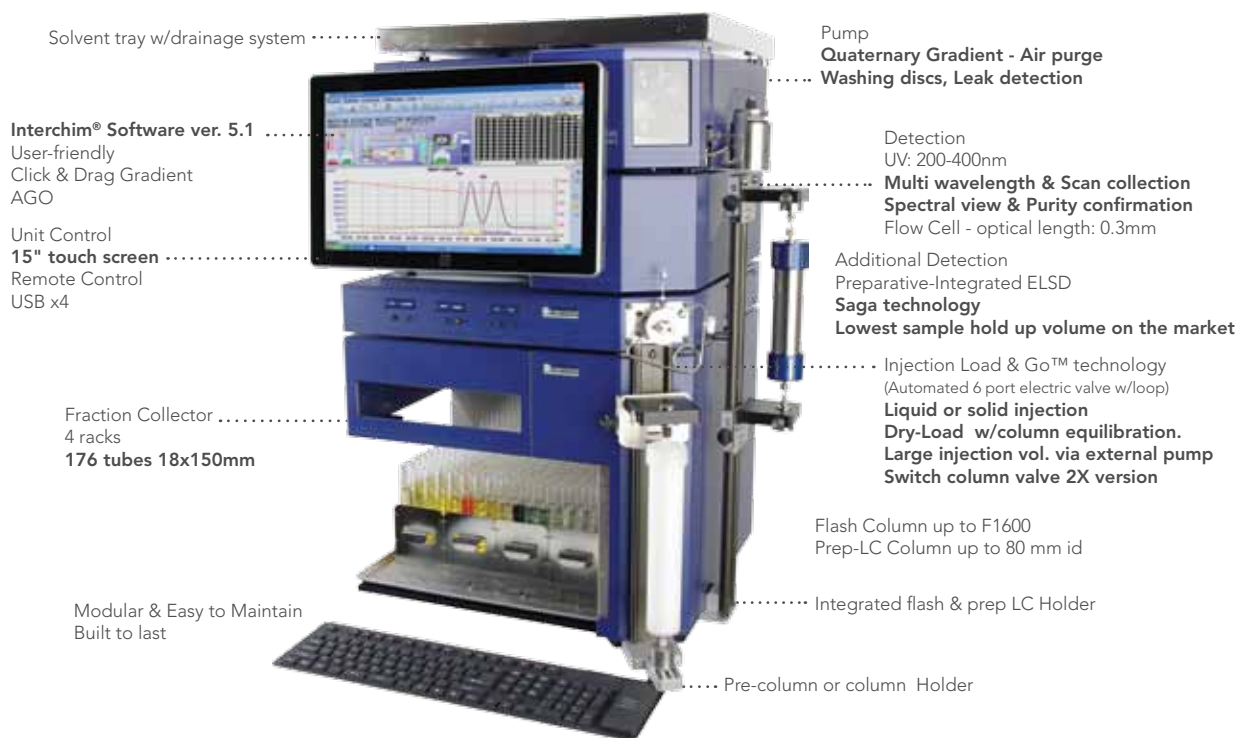
P/N: 1K0960



puriFlash® 4125

250 ml/min @ up to 125 bar

➔ **Premium Flash /prep-LC**
for Lab Scale Purifications



PF-4125

P/N: 117200

PF-4125 2X (Inj./Switch)

P/N: 118760

Oligonucleotides, Peptides & Polypeptides, Bio-Drugs

Purification by liquid chromatography is always a challenge.

Interchim® provide a powerfull solution to the increasing demand for the purification of biomolecules using the regular PF-4125 as a base platform.

Improving its specifications Accuracy, Repeatability & Linearity over the full range, the new puriFlash® "Oligonucleotides & Peptides" exceed biochemist today's requirement.

(Add features: Super loop option, Easy transfer HPLC to purification.)



puriFlash® 4250

250 ml/min @ up to 250 bar



Premium preparative-LC for Lab Scale Purifications



Solvent tray w/drainage system

Interchim® Software ver. 5.1
User-friendly
Click & Drag Gradient
AGO

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
4 racks
176 tubes 18x150mm

Modular & Easy to Maintain
Built to last

Pump
Quaternary Gradient - Air purge
Washing discs, Leak detection

Injection Load & Go™ technology
(Automated 6 port electric valve w/loop)
Liquid or solid injection
Dry-Load w/column equilibration.
Large injection vol. via external pump
Switch column valve 2X version

Detection
UV: 200-400nm
Multi wavelength & Scan collection
Spectral view & Purity confirmation
Flow Cell - optical length: 0.3mm

Integrated flash & prep LC Holder
Additional Detection
Preparative-Integrated ELSD
Saga technology
Lowest sample hold up volume
on the market

Flash Column up to F1600
Prep-LC Column up to 80 mm id

Pre-column or column Holder

I Accurate, Linear & Repeatable I

PF-4250 (Inj./backflush)

P/N: 115100

PF-4250 2X (Inj./Switch)

P/N: 115120

PF-4250 2X (Inj./Switch/backflush)

P/N: 115140

Boost your purification!
Best in class instrument, the puriFlash® 4250 achieve
accelerated throughput using up to 5µm preparative column.





puriFlash® 800

750 ml/min @ up to 7 bar

➔ Process for Pilot Purifications



I Accurate, Linear & Repeatable I

P/N: EO6301



Preparative Integrated ELSD

Secure your purification by a Universal Detector

- Even non chromophore are now visible
- Specifically developed for purification Mass response detector
- Full control of the split and the inlet flow
- True purification design nebulizer: no clogging
- Large dynamic range: mg up to hundred g
- Easy access /easy maintenance



Features:

SEDERE low temperature technology:

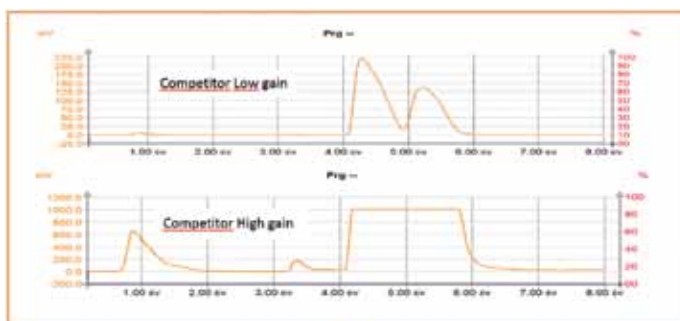
This technology provides greater sensitivity due to both the nebulizer that enables droplets selection and effective photomultiplier.

With this patented technology nebulizer, the droplets dry-up faster at low temperature, providing appropriate signal intensities for the semi-volatile compounds. This technology requires no additional peripheral, such as a nebulizer with heating system (spray chamber) or an evaporation tube (Peltier cooling) that can degrade the heat-sensitive compounds.

- Dynamic Gain SAGA
- Detection: high sensitivity photodiode
- Source: LED (470 nm)
- Ambient temperature to 100 ° C
- Dynamic Split: 40 .mu.l / min sample in DEDL
- Sensitivity: <100 ng caffeine (LOD)
- Gas: 2.5 l / min - 2 bar

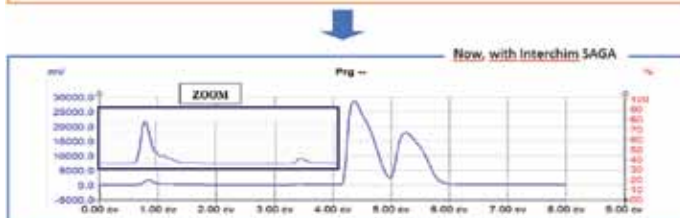
P/N: 1A3640

Optimized Low Temperature Technology
Quicker droplets drying at lower temperature
Preserves the integrity of termo-sensitive compounds



SAGA is an automatic dynamic gain that avoid all saturations while detecting low amounts.

Low gain decreases the sensitivity and impurities are then not visible. In contrast, a high gain is too sensitive, the impurities are visible, but the signal of the two main compounds is saturated and the peaks are co-detected.



By developing with Sedere the SAGA technology, Interchim® provides an efficient solution that enhance detection sensitivity without saturation. No adjustment necessary depending on the sample load.



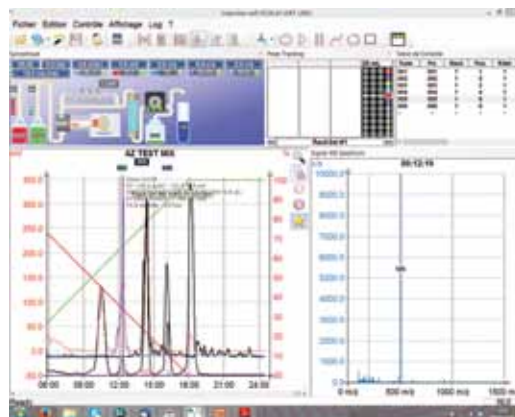


puriFlash® MS

Mass triggered fraction collection from NP & RP Flash Purification & prep-LC



Compact Single Quad - APCI



Real-time reaction monitoring of batch reactions
The hood-based puriFlash® MS reduces the burden on open-access platforms.

puriFlash® MS interface

Unique Interchim® design Dynamic split & dilution

- High-speed work with all columns sizes without generating backpressure
- Integrated post-split dilution to adjust the concentrations used in the MS source (no concentration limit - no signal saturation)
- Normal & Reverse Phase
- Intelligent Pilot of the puriFlash® system
- Normalized Scale signals MS, UV, ELSD (6 acquisition signals)

puriFlash® MS (1200 m/z)

P/N: 1H5460

puriFlash® MS (2000 m/z)

P/N: 1G6770

	puriFlash® MS for small molecule, synthetic organic chemists. Upgraded specs for pos/neg switching, faster scanning, and higher flow rate	puriFlash® MS-HMW for large molecules - peptide synthesis, polymer chemistry and natural products
Sources :	APCI - (ESI option)	APCI or ESI
Patented API: orthogonal ion sampling from heated capillary - allows for small single turbo pump.		
Positive/Negative Ionization	Simultaneous Analysis	Simultaneous Analysis
Flow rate range ESI	10 µL/min - 1 mL/min	10 µL/min - 1 mL/min
Flow rate range APCI	10 µL/min - 2 mL/min	10 µL/min - 2 mL/min
mass range (m/z)	10 to 1200	10 to 2000
Scan rate (m/z-units per second)	10000	10000
Resolution (m/z-unites FWHM)	0.5 - 0.7	0.5 - 0.7
Sensitivity (SIM - S/N de 10 pg Reserpine, FIA 5 µl injection à 100 µl/min)	100:1	100:1
Accuracy (m/z)	0.1	0.1
Stability (m/z-units per 24 hour period: 18 - 24 °C)	0.1	0.1



puriFlash® AS-1

preparative LC Auto-Sampler

- Injection volume : from 500µl up to 300ml
- 6 ways "Load & Injection" valve through puriFlash system.
- 1 rack /slots for different test tubes capacity:
 - 96 deep well plates, 2,5ml vials.... up to 1 liter bottles & custom racks
- Needle for septum piercing
- 3 external solvent ways
 - sample injection and wash
 - bracketing injection mode
 - Needle washing
- Temperature control of the rack : 4°C to RT (option)
- Size (W x D x H): 14" x 15" x 18" - 37cm x 39cm x 46cm



P/N: LO8850

puriFlash® Open Access Lab CarouXel

Increase your productivity

- Sequential
- 10x columns up to F0330
- 1x general waste
- 1 waste /column
- Automated cleaning between 2 runs or columns
- Stand-Alone or Piloted through Interchim® software Ver. 5.1



P/N: JO3750

puriFlash® MS platform

makes Purification Easier, Intuitive & Productive

Smaller Particles Size

Selectivity from a large choice of stationary phases

High Quality Pump

Triple Detection
UV - ELSD - MS

Automation

2D Purification

NP to RP Quick Switch

Intuitive Software

No Downtime / Built to last





puriFlash® "Stand Alone" Serie

This module collection allows you to complete your existing instrument set.



Pump

- Gradient Tolerance ~ 3.5%
- HP mixing, static fixed
- Touch screen controller

250 ml/min @ up to 50 bar
Quaternary + Air Purge

P/N: IV8730

250 ml/min @ up to 125 bar
Quaternary + Air Purge

P/N: 0A4750



Detector

- DAD multi-wavelength
- Adjustable flow cell (0.3 mm ; 1,3 mm ; 2,4 mm)
- Dual wavelength collection
- Touch screen controller

UV: 200 - 400 nm

P/N: 0A4650

UV: 200 - 800 nm

P/N: IV8740



Fraction Collector

- Optimum sample recovery
- Fume Enclosure
- 2 long racks – 128 std tubes
- 8 different racks available
- Large collection volume
- 2 collection modes:
 - volume
 - time
- Touch screen controller

P/N: IV2960

RI IOTA 2

Differential refractive Index Detector

- High stability & sensitivity
- Universal non destructive detector for Flash & prep LC

High stability

The unique and patented system provides a fully symmetrical in line beam, specifically designed to avoid all external vibration problems.

Fully automatic

Real autozero system, microprocessor controlled, push-button reference cell filling, RS32 interface...

Analytical or Preparative chromatography

Differential Refractometer is designed to offer high detector stability and sensitivity. Three different cells are available for analytical or preparative analysis.

P/N: FSQ600

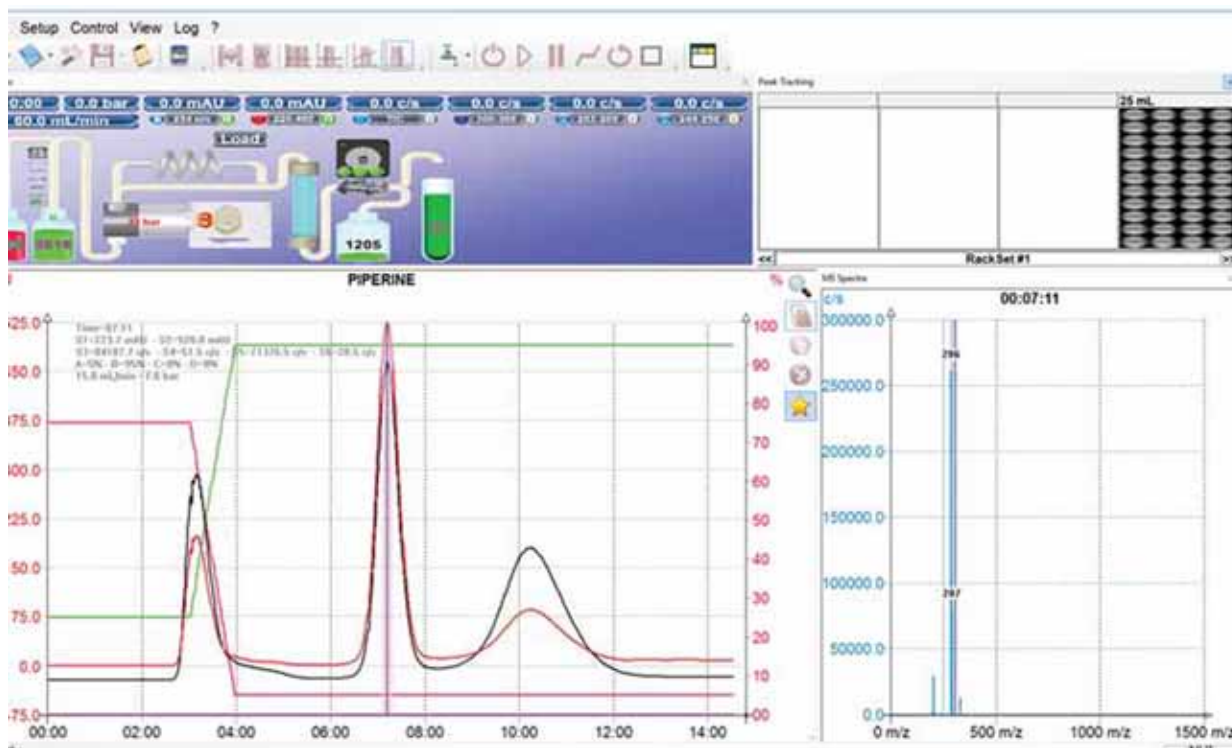


Large sensitivity range	Light source: 940 nm Sensitivity Range: 1/16. 10^{-5} to $64 \cdot 10^{-5}$ Δ RIU in 11 steps Noise: 10^{-8} Δ RIU (analytical), $3 \cdot 10^{-6}$ Δ RIU (preparative) Time constants: 0 ; 0,5s ; 2s ; 5s Drift: $<5 \cdot 10^{-7}$ Δ RIU/h (analytical), $5 \cdot 10^{-8}$ Δ RIU/h (preparative)
Automatic reference cell filling	Linearity $5 \cdot 10^{-3}$ Δ RIU (analytical) ; $5 \cdot 10^{-2}$ Δ RIU (preparative) Cells Cell volume: 8 μ l (analytical), 40 μ l (preparative) Cell angle: 45° (analytical), 10° or 3° (preparative) Flow rate: 0.05 to 20ml/mn (analytical), 1 to 200 ml/mn (preparative) Maximum pressure: 5 bar
Autozero	Signal Outputs Autozero: by the keyboard Event Mark: by the keyboard end external Recorder output: 1 V and 10 mV RS 232 C Interface Physical specifications: Height 140mm ; Width 320mm ; Length 320mm ; Weight 15 kg Power requirements: 220V or 110 V (50/60 Hz)



Interchim® Software

One customizable screen to manage the whole process: to create methods, to launch purifications & to control the process during the purification up to the report.



Click & Drag Gradient - Customizable User profile - Sample Q - Wizard - AGO - Real Time UV Spectral - All wave length collection - Remote Control



Easy control & Monitoring of the Purification from Tablet, Smartphone or PC. Network Connection with your puriFlash system raise your productivity & flexibility.





SELECTIVITY

PURITY

CAPACITY

PRODUCTIVITY

Media selection requires consideration of sample volume, nature and concentration of the analyte and the inherent properties of the sorbent itself. Polymer loading capacities are higher than silica, however, silica sorbents exhibit greater selectivity.

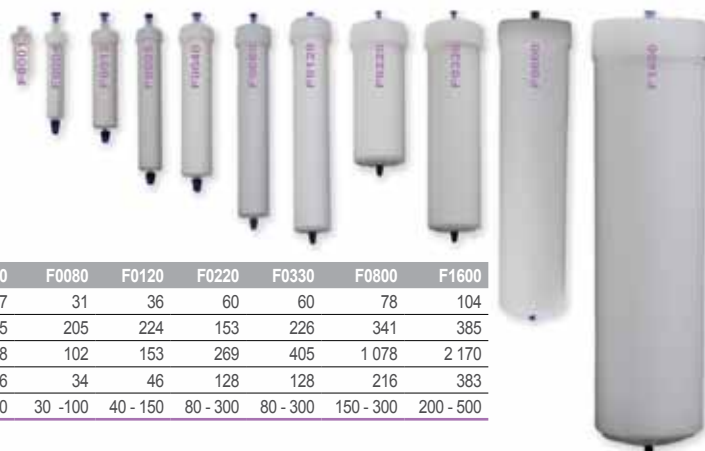
SILICAS:

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 50 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.

FLASH COLUMNS



Code	F0001	F0004	F0012	F0025	F0040	F0080	F0120	F0220	F0330	F0800	F1600
Ø int. (mm)	9	12	21	21	27	31	36	60	60	78	104
L (mm)	26	68	84	133	135	205	224	153	226	341	385
CV ₀ (mL)	1.2	5	19	32	48	102	153	269	405	1 078	2 170
Flow rate - Typical (mL/min)	2.5	5	16	16	26	34	46	128	128	216	383
Flow rate - Range (mL/min)	1 - 10	5 - 20	15 - 50	15 - 50	20 - 70	30 - 100	40 - 150	80 - 300	80 - 300	150 - 300	200 - 500

PREP COLUMNS



Dimensions	Flowrate	Porous volume 55%	Injection volume 1% loading
150 x 10 mm	5 ml/min	6.47	130 µl
250 x 10 mm	5 ml/min	10.79	210 µl
50 x 21.2 mm	20 ml/min	9.70	180 µl
100 x 21.2 mm	20 ml/min	19.40	380 µl
150 x 21.2 mm	20 ml/min	29.11	550 µl
250 x 21.2 mm	20 ml/min	48.51	900 µl
100 x 30 mm	40 ml/min	38.83	750 µl
50 x 30 mm	40 ml/min	19.36	350 µl
150 x 30 mm	40 ml/min	58.19	1 100 µl
250 x 30 mm	40 ml/min	97.02	1 800 µl
50 x 50 mm	120 ml/min	53.97	1 000 µl
250 x 50 mm	120 ml/min	269.84	5 000 µl

ANALYTICAL COLUMNS



Dimensions	Flowrate	Porous volume 55%	Injection volume 1% loading
50 x 4.6 mm	1 ml/min	0.46	5 µl
150 x 4.6 mm	1 ml/min	1.37	14 µl
250 x 4.6 mm	1 ml/min	2.284	23 µl



Brand Name	Code	USP Code	Ø Pore	Surface area	1.7µm	2.2µm	3µm	5µm	10µm	15µm	20µm	30µm	50µm	µm
Analytical / Prep LC / Flash														
Uptisphere® Strategy™	C18-3	L1	100Å	425m²/g			x	x	x	x				
Uptisphere® Strategy™	C18-HQ	L1	100Å	425m²/g	x	x	x	x	x	x				
Uptisphere® Strategy™	C18-RP	L1	100Å	425m²/g		x	x	x	x	x				
Uptisphere® Strategy™	PHC4	L11	100Å	300m²/g		x	x	x	x	x				
Uptisphere® Strategy™	HILIC- HIT	L3	100Å	425m²/g		x	x	x	x	x				
Uptisphere® Strategy™	HILIC-HIA		100Å	300m²/g		x	x	x	x	x				
Uptisphere® Strategy™	SI	L3	100Å	425m²/g		x	x	x	x					
Analytical / Prep LC														
Uptisphere®	C18-NEC	L1	120Å	320m²/g		x	x	x	x	x				
Uptisphere®	CN	L10	120Å	320m²/g			x	x	x	x				
Dev Ana /Prep LC / Flash														
puriFlash® Prep	C18-XS	L1	100Å	300m²/g				x	x	x		x		
puriFlash® Prep	C18-HP	L1	100Å	300m²/g				x	x	x		x	x	
puriFlash® Prep	C18-AQ	L1	100Å	300m²/g				x	x	x		x		
puriFlash® Prep	RP-AQ	L7	60Å	500m²/g						x		x		
puriFlash®	Diol	L20	60Å	500m²/g				(x)	x	x		x	x	
puriFlash® Prep	SIHP	L3	60Å	500m²/g				x	x	x		x	x	
puriFlash® Prep	NH2	L8	100Å	300m²/g				x	x	x		x	x	
Flash														
puriFlash®	IR-C18	L1	60Å	450m²/g										(x)
puriFlash®	MM1	L44	100Å	400m²/g										x
puriFlash®	CN	L10	60Å	500m²/g						x				x
puriFlash®	SIHC	L3	60Å	680m²/g						x		(x)		x
puriFlash®	IR-SI	L3	60Å	450m²/g							(x)			(x)
puriFlash®	SI-AGNO3		60Å	500m²/g										x
puriFlash®	NH2HC	L8	60Å	680m²/g										x
puriFlash®	SCX	L50	100Å	400m²/g										x
puriFlash®	SAX	L14	60Å	500m²/g										x
puriFlash®	X		100Å	800m²/g										40
puriFlash®	P6		60Å											100
puriFlash®	ALN		60Å	200m²/g										32/63
puriFlash®	ALB		60Å	200m²/g										32/63
puriFlash®	AC													420/840
Daicel®	IA										x			
Daicel®	IC										x			
Daicel®	ID										x			
Daicel®	OD-I										x			
Bio-Chromatography														
Analytical / Prep LC														
Uptisphere® X-Serie	OD2	L1	130Å	300m²/g			x	x		x				
Uptisphere® X-Serie	C18	L1	220Å	200m²/g			x	x		x				
Uptisphere® X-Serie	C18-AQ	L1	220Å	200m²/g			x	x		x				
Uptisphere® X-Serie	C8	L7	220Å	200m²/g			x	x	x	x				
Uptisphere® X-Serie	C4	L26	220Å	200m²/g			x	x		x				
Uptisphere® 300Å	WOD	L1	300Å	100m²/g			x	x		x				
Uptisphere® 300Å	WC4	L26	300Å	100m²/g			x	x		x				
Uptisphere® 300Å	WD4	L26	300Å	100m²/g			x	x		x				
Uptisphere® 300Å	WT4	L26	300Å	100m²/g				x		x				
Flash														
puriFlash® PT	C18-T	L1	200Å	150m²/g							x			
puriFlash® PT	C18-AQ	L1	200Å	150m²/g							x			
puriFlash® PT	C8	L7	200Å	150m²/g							x			
puriFlash® PT	C4	L26	200Å	150m²/g							x			
puriFlash® PP	C18	L1	300Å	100m²/g							x			
puriFlash® PP	C4	L26	300Å	100m²/g							x			





Hardware*		Bonding	Bonding type	Carbon content	End-Capping	pH range	Utilization mode
A	P	C18 - octadecyl	mono-fonctionnal	22%	Multi step	1.0 - 12	Reverse
A	F	P C18 - octadecyl	mono-fonctionnal	19%	Multi step	1.0 - 10	Reverse
A	P	C18 - octadecyl	mono-fonctionnal	16%	Multi step Mixte	1.5 - 8.0	Reverse
A	F	P Phenyl - Butyl	mono-fonctionnal	12%	One step	1.5 - 7.5	Reverse
A	P	Proprietary	Proprietary			1.5 - 7.0	Hilic
A	F	P Proprietary	Proprietary			2.0 - 7.0	Hilic
A	P	Ultra pure silica				1.5 - 7.0	Normal
A	P	C18 - octadecyl	mono-fonctionnal	16%		1.5 - 6.5	Reverse
A	P	CN - cyano	mono-fonctionnal	8%	One step	2.0 - 7.0	Reverse / Normal
A	F	P C18 - octadecyl	mono-fonctionnal	17%	Multi-step	1.0 - 10.0	Reverse
A	F	P C18 - octadecyl	mono-fonctionnal	16,5%	One-step	1.5 - 7.5	Reverse
A	F	P C18 - octadecyl	mono-fonctionnal	14%	Mixte	2.0 - 7.5	Reverse
A	F	P RP-alkyl	mono-fonctionnal	6%	Mixte	2.0 - 7.5	Reverse
A	F	P Diol	mono-fonctionnal			1.5 - 6.5	Normal
A	F	P HP grade silica				1.5 - 6.5	Normal
A	F	P NH2 - amino	mono-fonctionnal	4%	One-step	2.0 - 6.5	Reverse / Normal/ Ion Exchange
F		C18 - octadecyl	mono-fonctionnal	20%	One-step	1.5 - 7.0	Reverse
F		RP/SCX	mono-fonctionnal		One-step	1.0 - 7.5	Reverse / Ion Exchange
F		CN - cyano	mono-fonctionnal	5%	One-step	1.5 - 7.5	Reverse / Normal
F		HC grade silica				1.5 - 6.5	Normal
F		Irregular silica				1.5 - 6.5	Normal
F		Silica coated AgNO ₃				1.5 - 6.5	
F		NH2	poly-fonctionnal	4 %		1.5 - 6.5	Reverse / Normal/ Ion Exchange
F		Strong cation exchange	mono-fonctionnal			1.0 - 7.5	Ion Exchange
F		Strong anion exchange	mono-fonctionnal			1.0 - 7.5	Ion Exchange
F		PSDVB				1.0 - 13	Reverse
F		Polyamide-6					
F		Neutral Alumina activated					
F		Basic Alumina activated					
F		Activated carbon					
F		amylose tris (3,5-dimethylphenylcarbamate)					
F		cellulose tris (3,5-dichlorophenylcarbamate)					
F		Amylose Tris (3-Chlorophenylcarbamate)					
F		cellulose tris (3,5-dimethylphenylcarbamate)					
A	P	C18 - octadecyl	poly-fonctionnal type II	20%	Multi-step	1 - 13	Reverse
A	P	C18 - octadecyl	poly-fonctionnal type II	14%	Multi-step	1 - 13	Reverse
A	P	C18 - octadecyl	poly-fonctionnal type II	14%	Mixte	1 - 10	Reverse
A	P	C8 - octyl	poly-fonctionnal type II	8%	Multi-step	1 - 13	Reverse
A	P	C4 - butyl	poly-fonctionnal type II	6%	Multi-step	1 - 13	Reverse
A	P	C18 - octadecyl	mono-fonctionnal	10%	One step	1.5 - 7	Reverse
A	P	C4 - butyl	mono-fonctionnal	4%	One step	2 - 7	Reverse
A	P	C4 - butyl	poly-fonctionnal type I	4%	One step	1.5 - 8	Reverse
A	P	C4 - butyl	tri-fonctionnal	3%	One step	1.5 - 8	Reverse
F		C18 - octadecyl	tri-fonctionnal	14%	One step	1 - 10	Reverse
F		C18 - octadecyl	mono-fonctionnal	12%	Mixte	1.5 - 8	Reverse
F		C8 - octyl	mono-fonctionnal	5%	One step	1.5 - 8	Reverse
F		C4 - butyl	mono-fonctionnal	3%	One step	1.5 - 8	Reverse
F		C18 - octadecyl	mono-fonctionnal	10%	One step	1.5 - 8	Reverse
F		C4 - butyl	mono-fonctionnal	3%	One step	1.5 - 8	Reverse

*A: Analytical - F: Flash - P: Prep-LC



PURIFICATION-PROCESS

Ultra Performance Flash Purification | puriFlash® Columns



Nature	Type	dp	Format	P/N	Qty	Application
Uptsphere® Strategy™ - Ultra Pur Silica C18 - octadecyl (High Quality) 100Å - 425m ² /g end-capping: multi-step Carbon Load: 19% USP: L1 pH Stability: 1.0 - 10.0 Mode: Reverse phase	C18-HQ	15µm	F0001	SC-15C18HQ-F0001	25 u	This utility phase serves many pharmaceutical applications. Its 425 m ² /g surface area providing excellent loading capacity.
		15µm	F0004	PF-15C18HQ-F0004	4 u	
		15µm	F0012	PF-15C18HQ-F0012	2 u	
		15µm	F0025	PF-15C18HQ-F0025	1 u	
		15µm	F0040	PF-15C18HQ-F0040	1 u	
		15µm	F0080	PF-15C18HQ-F0080	1 u	
		15µm	F0120	PF-15C18HQ-F0120	1 u	
		15µm	F0220	PF-15C18HQ-F0220	1 u	
		15µm	F0330	PF-15C18HQ-F0330	1 u	
		Uptsphere® Strategy™ - Ultra Pur Silica PHC4 - Phenyl Butyl 100Å - 300m ² /g end-capping: one step Carbon Load: 12% USP: L11 pH Stability: 1.5 - 7.5 Mode: Reverse phase	PHC4	15µm	F0001	
15µm	F0004			PF-15PHC4-F0004	4 u	
15µm	F0012			PF-15PHC4-F0012	2 u	
15µm	F0025			PF-15PHC4-F0025	1 u	
15µm	F0040			PF-15PHC4-F0040	1 u	
15µm	F0080			PF-15PHC4-F0080	1 u	
15µm	F0120			PF-15PHC4-F0120	1 u	
15µm	F0220			PF-15PHC4-F0220	1 u	
15µm	F0330			PF-15PHC4-F0330	1 u	
Uptsphere® Strategy™ - Ultra Pur Silica HIA - Hilic 100Å - 300m ² /g end-capping: non Carbon Load: n.c. USP: pH Stability: 2.0 - 7.0 Mode: Hilic	HILIC-HIA			15µm	F0001	SC-15HIA-F0001
		15µm	F0004	PF-15HIA-F0004	4 u	
		15µm	F0012	PF-15HIA-F0012	2 u	
		15µm	F0025	PF-15HIA-F0025	1 u	
		15µm	F0040	PF-15HIA-F0040	1 u	
		15µm	F0080	PF-15HIA-F0080	1 u	
		15µm	F0120	PF-15HIA-F0120	1 u	
		15µm	F0220	PF-15HIA-F0220	1 u	
		15µm	F0330	PF-15HIA-F0330	1 u	
		puriFlash® - Pur Silica C18-XS - octadecyl eXtreme Stability 100Å - 300m ² /g end-capping: multi-step Carbon Load: 17% USP: L1 pH Stability: 1.0 - 10.0 Mode: Reverse phase	C18-XS	15µm	F0001	SC-15C18XS-F0001
15µm	F0004			PF-15C18XS-F0004	4 u	
15µm	F0012			PF-15C18XS-F0012	2 u	
15µm	F0025			PF-15C18XS-F0025	1 u	
15µm	F0040			PF-15C18XS-F0040	1 u	
15µm	F0080			PF-15C18XS-F0080	1 u	
15µm	F0120			PF-15C18XS-F0120	1 u	
15µm	F0220			PF-15C18XS-F0220	1 u	
15µm	F0330			PF-15C18XS-F0330	1 u	
30µm	F0004			PF-30C18XS-F0004	4 u	
30µm	F0012			PF-30C18XS-F0012	2 u	
30µm	F0025			PF-30C18XS-F0025	1 u	
30µm	F0040			PF-30C18XS-F0040	1 u	
30µm	F0080			PF-30C18XS-F0080	1 u	
30µm	F0120			PF-30C18XS-F0120	1 u	
30µm	F0220			PF-30C18XS-F0220	1 u	
30µm	F0330			PF-30C18XS-F0330	1 u	
30µm	F0800			PF-30C18XS-F0800	1 u	
30µm	F1600			PF-30C18XS-F1600	1 u	





Nature	Type	dp	Format	P/N	Qty	Application			
puriFlash® - Pur Silica C18-HP - octadecyl (High Performance) 100Å - 300m ² /g end-capping: one-step Carbon Load: 16.5% USP: L1 pH Stability: 1.5 - 7.5 Mode: Reverse phase	C18-HP	15µm	F0001	SC-15C18HP-F0001	25 u	Serves many pharmaceutical applications.			
		15µm	F0004	PF-15C18HP-F0004	4 u				
		15µm	F0012	PF-15C18HP-F0012	2 u				
		15µm	F0025	PF-15C18HP-F0025	1 u				
		15µm	F0040	PF-15C18HP-F0040	1 u				
		15µm	F0080	PF-15C18HP-F0080	1 u				
		15µm	F0120	PF-15C18HP-F0120	1 u				
		15µm	F0220	PF-15C18HP-F0220	1 u				
		15µm	F0330	PF-15C18HP-F0330	1 u				
		30µm	F0004	PF-30C18HP-F0004	4 u				
		30µm	F0012	PF-30C18HP-F0012	2 u				
		30µm	F0025	PF-30C18HP-F0025	1 u				
		30µm	F0040	PF-30C18HP-F0040	1 u				
		30µm	F0080	PF-30C18HP-F0080	1 u				
		30µm	F0120	PF-30C18HP-F0120	1 u				
		30µm	F0220	PF-30C18HP-F0220	1 u				
		30µm	F0330	PF-30C18HP-F0330	1 u				
		30µm	F0800	PF-30C18HP-F0800	1 u				
		30µm	F1600	PF-30C18HP-F1600	1 u				
		50µm	F0004	PF-50C18HP-F0004	4 u				
		50µm	F0012	PF-50C18HP-F0012	2 u				
		50µm	F0025	PF-50C18HP-F0025	1 u				
		50µm	F0040	PF-50C18HP-F0040	1 u				
		50µm	F0080	PF-50C18HP-F0080	1 u				
		50µm	F0120	PF-50C18HP-F0120	1 u				
		50µm	F0220	PF-50C18HP-F0220	1 u				
		50µm	F0330	PF-50C18HP-F0330	1 u				
		50µm	F0800	PF-50C18HP-F0800	1 u				
		50µm	F1600	PF-50C18HP-F1600	1 u				
		puriFlash® - Irregular Silica C18 - octadecyl 60Å - 450m ² /g end-capping: one-step Carbon Load: 20% USP: L1 pH Stability: 1.5 - 7.0 Mode: Reverse phase	C18-STD	50µm	F0004		IR-50C18-F0004	4 u	Serves a broad-ship of analytical & prep LC requirements for separating non polar compounds.
				50µm	F0012		IR-50C18-F0012	2 u	
				50µm	F0025		IR-50C18-F0025	1 u	
				50µm	F0040		IR-50C18-F0040	1 u	
50µm	F0080			IR-50C18-F0080	1 u				
50µm	F0120			IR-50C18-F0120	1 u				
50µm	F0220			IR-50C18-F0220	1 u				
50µm	F0330			IR-50C18-F0330	1 u				
50µm	F0800			IR-50C18-F0800	1 u				
50µm	F1600			IR-50C18-F1600	1 u				
puriFlash® - Pur Silica C18-AQ - octadecyl Stable in Aqueous phase 100Å - 300m ² /g end-capping: mixte Carbon Load: 14% USP: L1 pH Stability: 2.0 - 7.5 Mode: Reverse phase	C18-AQ	15µm	F0001	SC-15C18AQ-F0001	25 u	The bonding chemistry allow to start gradient with 100% of water.			
		15µm	F0004	PF-15C18AQ-F0004	4 u				
		15µm	F0012	PF-15C18AQ-F0012	2 u				
		15µm	F0025	PF-15C18AQ-F0025	1 u				
		15µm	F0040	PF-15C18AQ-F0040	1 u				
		15µm	F0080	PF-15C18AQ-F0080	1 u				
		15µm	F0120	PF-15C18AQ-F0120	1 u				
		15µm	F0220	PF-15C18AQ-F0220	1 u				
		15µm	F0330	PF-15C18AQ-F0330	1 u				
		30µm	F0004	PF-30C18AQ-F0004	4 u				
		30µm	F0012	PF-30C18AQ-F0012	2 u				
		30µm	F0025	PF-30C18AQ-F0025	1 u				
		30µm	F0040	PF-30C18AQ-F0040	1 u				
		30µm	F0080	PF-30C18AQ-F0080	1 u				
		30µm	F0120	PF-30C18AQ-F0120	1 u				
		30µm	F0220	PF-30C18AQ-F0220	1 u				
		30µm	F0330	PF-30C18AQ-F0330	1 u				
		30µm	F0800	PF-30C18AQ-F0800	1 u				
		30µm	F1600	PF-30C18AQ-F1600	1 u				





Nature	Type	dp	Format	P/N	Qty	Application
puriFlash® - Pur Silica RP-AQ - Alkyl Chain stable under Aqueous mobile phase 60Å - 500m ² /g end-capping: mixte Carbon Load: 6% USP: L7 pH Stability: 2.0 - 7.5 Mode: Reverse phase	RP-AQ	15µm	F0001	SC-15RPAQ-F0001	25 u	The bonding chemistry allow to start gradient with 100% of water.
		15µm	F0004	PF-15RPAQ-F0004	4 u	
		15µm	F0012	PF-15RPAQ-F0012	2 u	
		15µm	F0025	PF-15RPAQ-F0025	1 u	
		15µm	F0040	PF-15RPAQ-F0040	1 u	
		15µm	F0080	PF-15RPAQ-F0080	1 u	
		15µm	F0120	PF-15RPAQ-F0120	1 u	
		15µm	F0220	PF-15RPAQ-F0220	1 u	
		15µm	F0330	PF-15RPAQ-F0330	1 u	
		30µm	F0004	PF-30RPAQ-F0004	4 u	
		30µm	F0012	PF-30RPAQ-F0012	2 u	
		30µm	F0025	PF-30RPAQ-F0025	1 u	
		30µm	F0040	PF-30RPAQ-F0040	1 u	
		30µm	F0080	PF-30RPAQ-F0080	1 u	
		30µm	F0120	PF-30RPAQ-F0120	1 u	
		30µm	F0220	PF-30RPAQ-F0220	1 u	
		30µm	F0330	PF-30RPAQ-F0330	1 u	
		30µm	F0800	PF-30RPAQ-F0800	1 u	
		30µm	F1600	PF-30RPAQ-F1600	1 u	
puriFlash® - Pur Silica MM1 - Alkyl Chain / Strong Ion Exchange 100Å - 400m ² /g end-capping: one-step Carbon Load: n.c. USP: L44 pH Stability: 1.0 - 7.5 Mode: Reverse phase / Ionic Exchange	MM1	50µm	F0004	PF-50MM1-F0004	4 u	Ion exchange and hydrophobic chains are bonded onto the surface of silica providing unique selectivity. Compounds that possess basic functionality are retained by ion exchange functionality. An organic solvent will elute hydrophobic compounds.
		50µm	F0012	PF-50MM1-F0012	2 u	
		50µm	F0025	PF-50MM1-F0025	1 u	
		50µm	F0040	PF-50MM1-F0040	1 u	
		50µm	F0080	PF-50MM1-F0080	1 u	
		50µm	F0120	PF-50MM1-F0120	1 u	
		50µm	F0220	PF-50MM1-F0220	1 u	
		50µm	F0330	PF-50MM1-F0330	1 u	
		50µm	F0800	PF-50MM1-F0800	1 u	
		50µm	F1600	PF-50MM1-F1600	1 u	
puriFlash® - Pur Silica CN - cyano 60Å - 500m ² /g end-capping: one-step Carbon Load: 5% USP: L10 pH Stability: 1.5 - 7.5 Mode: Reverse / Normal phase	CN	15µm	F0004	PF-15CN-F0004	4 u	CN functional groups can be used either in normal phase to purify polar compounds or in reversed phase for mid-polar compounds.
		15µm	F0012	PF-15CN-F0012	2 u	
		15µm	F0025	PF-15CN-F0025	1 u	
		15µm	F0040	PF-15CN-F0040	1 u	
		15µm	F0080	PF-15CN-F0080	1 u	
		15µm	F0120	PF-15CN-F0120	1 u	
		15µm	F0220	PF-15CN-F0220	1 u	
		15µm	F0330	PF-15CN-F0330	1 u	
		50µm	F0004	PF-50CN-F0004	4 u	
		50µm	F0012	PF-50CN-F0012	2 u	
		50µm	F0025	PF-50CN-F0025	1 u	
		50µm	F0040	PF-50CN-F0040	1 u	
		50µm	F0080	PF-50CN-F0080	1 u	
		50µm	F0120	PF-50CN-F0120	1 u	
		50µm	F0220	PF-50CN-F0220	1 u	
		50µm	F0330	PF-50CN-F0330	1 u	
		50µm	F0800	PF-50CN-F0800	1 u	
		50µm	F1600	PF-50CN-F1600	1 u	





Nature	Type	dp	Format	P/N	Qty	Application			
puriFlash® - Pur Silica OH - Diol 60Å - 500m ² /g USP: L20 pH Stability: 1.5 - 6.5 Mode: Normal	DIOL	15µm	F0004	PF-15DIOL-F0004	4 u	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.			
		15µm	F0012	PF-15DIOL-F0012	2 u				
		15µm	F0025	PF-15DIOL-F0025	1 u				
		15µm	F0040	PF-15DIOL-F0040	1 u				
		15µm	F0080	PF-15DIOL-F0080	1 u				
		15µm	F0120	PF-15DIOL-F0120	1 u				
		15µm	F0220	PF-15DIOL-F0220	1 u				
		15µm	F0330	PF-15DIOL-F0330	1 u				
		30µm	F0004	PF-30DIOL-F0004	4 u				
		30µm	F0012	PF-30DIOL-F0012	2 u				
		30µm	F0025	PF-30DIOL-F0025	1 u				
		30µm	F0040	PF-30DIOL-F0040	1 u				
		30µm	F0080	PF-30DIOL-F0080	1 u				
		30µm	F0120	PF-30DIOL-F0120	1 u				
		30µm	F0220	PF-30DIOL-F0220	1 u				
		30µm	F0330	PF-30DIOL-F0330	1 u				
		30µm	F0800	PF-30DIOL-F0800	1 u				
		30µm	F1600	PF-30DIOL-F1600	1 u				
		50µm	F0004	PF-50DIOL-F0004	4 u				
		50µm	F0012	PF-50DIOL-F0012	2 u				
		50µm	F0025	PF-50DIOL-F0025	1 u				
		50µm	F0040	PF-50DIOL-F0040	1 u				
		50µm	F0080	PF-50DIOL-F0080	1 u				
		50µm	F0120	PF-50DIOL-F0120	1 u				
		50µm	F0220	PF-50DIOL-F0220	1 u				
		50µm	F0330	PF-50DIOL-F0330	1 u				
		50µm	F0800	PF-50DIOL-F0800	1 u				
		50µm	F1600	PF-50DIOL-F1600	1 u				
		puriFlash® - Pur Silica SIHP - High Performance Silica 60Å - 500m ² /g USP: L3 pH Stability: 1.5 - 6.5 Mode: Normal	SILICA HP	15µm	F0001		SC-15SIHP-F0001	50 u	Non-ionic, polar organic compounds.
				15µm	F0004		PF-15SIHP-F0004	20 u	
15µm	F0012			PF-15SIHP-F0012	20 u				
15µm	F0025			PF-15SIHP-F0025	12 u				
15µm	F0040			PF-15SIHP-F0040	12 u				
15µm	F0080			PF-15SIHP-F0080	4 u				
15µm	F0120			PF-15SIHP-F0120	4 u				
15µm	F0220			PF-15SIHP-F0220	2 u				
15µm	F0330			PF-15SIHP-F0330	2 u				
50µm	F0004			PF-50SIHP-F0004	40 u				
50µm	F0012			PF-50SIHP-F0012	30 u				
50µm	F0025			PF-50SIHP-F0025	25 u				
50µm	F0040			PF-50SIHP-F0040	20 u				
50µm	F0080			PF-50SIHP-F0080	10 u				
50µm	F0120			PF-50SIHP-F0120	8 u				
50µm	F0220			PF-50SIHP-F0220	4 u				
50µm	F0330			PF-50SIHP-F0330	4 u				
50µm	F0800			PF-50SIHP-F0800	1 u				
50µm	F1600			PF-50SIHP-F1600	1 u				
30µm	F0004			PF-30SIHP-F0004	40 u				
30µm	F0012			PF-30SIHP-F0012	30 u				
30µm	F0025			PF-30SIHP-F0025	25 u				
30µm	F0040			PF-30SIHP-F0040	20 u				
30µm	F0080			PF-30SIHP-F0080	10 u				
30µm	F0120			PF-30SIHP-F0120	8 u				
30µm	F0220			PF-30SIHP-F0220	4 u				
30µm	F0330			PF-30SIHP-F0330	4 u				
30µm	F0800			PF-30SIHP-F0800	1 u				
30µm	F1600			PF-30SIHP-F1600	1 u				



PURIFICATION-PROCESS

Ultra Performance Flash Purification | puriFlash® Columns



Nature	Type	dp	Format	P/N	Qty	Application			
puriFlash® - Pur Silica SIHP - High Performance Silica I JUMBO PACK I 60Å - 500m ² /g USP: L3 pH Stability: 1.5 - 6.5 Mode: Normal	SILICA HP	15µm	F0004	PF-15SIHP-JP-F0004	80 u	Non-ionic, polar organic compounds.			
		15µm	F0012	PF-15SIHP-JP-F0012	80 u				
		15µm	F0025	PF-15SIHP-JP-F0025	48 u				
		15µm	F0040	PF-15SIHP-JP-F0040	48 u				
		15µm	F0080	PF-15SIHP-JP-F0080	32 u				
		15µm	F0120	PF-15SIHP-JP-F0120	32 u				
		15µm	F0220	PF-15SIHP-JP-F0220	8 u				
		15µm	F0330	PF-15SIHP-JP-F0330	8 u				
		30µm	F0004	PF-30SIHP-JP-F0004	160 u				
		30µm	F0012	PF-30SIHP-JP-F0012	120 u				
		30µm	F0025	PF-30SIHP-JP-F0025	100 u				
		30µm	F0040	PF-30SIHP-JP-F0040	80 u				
		30µm	F0080	PF-30SIHP-JP-F0080	40 u				
		30µm	F0120	PF-30SIHP-JP-F0120	32 u				
		30µm	F0220	PF-30SIHP-JP-F0220	16 u				
		30µm	F0330	PF-30SIHP-JP-F0330	16 u				
		30µm	F0800	PF-30SIHP-JP-F0800	4 u				
		30µm	F1600	PF-30SIHP-JP-F1600	4 u				
		50µm	F0004	PF-50SIHP-JP-F0004	160 u				
		50µm	F0012	PF-50SIHP-JP-F0012	120 u				
		50µm	F0025	PF-50SIHP-JP-F0025	100 u				
		50µm	F0040	PF-50SIHP-JP-F0040	80 u				
		50µm	F0080	PF-50SIHP-JP-F0080	40 u				
		50µm	F0120	PF-50SIHP-JP-F0120	32 u				
		50µm	F0220	PF-50SIHP-JP-F0220	16 u				
		50µm	F0330	PF-50SIHP-JP-F0330	16 u				
		50µm	F0800	PF-50SIHP-JP-F0800	4 u				
		50µm	F1600	PF-50SIHP-JP-F1600	4 u				
		puriFlash® - Pur Silica SIHC - High Performance Silica 60Å - 680m ² /g USP: L3 pH Stability: 1.5 - 6.5 Mode: Normal	SILICA HC	15µm	F0001		SC-15SIHC-F0001	50 u	Non-ionic, polar organic compounds.
				15µm	F0004		PF-15SIHC-F0004	20 u	
15µm	F0012			PF-15SIHC-F0012	20 u				
15µm	F0025			PF-15SIHC-F0025	12 u				
15µm	F0040			PF-15SIHC-F0040	12 u				
15µm	F0080			PF-15SIHC-F0080	4 u				
15µm	F0120			PF-15SIHC-F0120	4 u				
15µm	F0220			PF-15SIHC-F0220	2 u				
15µm	F0330			PF-15SIHC-F0330	2 u				
25µm	F0004			PF-25SIHC-F0004	40 u				
25µm	F0012			PF-25SIHC-F0012	30 u				
25µm	F0025			PF-25SIHC-F0025	25 u				
25µm	F0040			PF-25SIHC-F0040	20 u				
25µm	F0080			PF-25SIHC-F0080	10 u				
25µm	F0120			PF-25SIHC-F0120	8 u				
25µm	F0220			PF-25SIHC-F0220	4 u				
25µm	F0330			PF-25SIHC-F0330	4 u				
25µm	F0800			PF-25SIHC-F0800	1 u				
25µm	F1600			PF-25SIHC-F1600	1 u				
50µm	F0004			PF-50SIHC-F0004	40 u				
50µm	F0012			PF-50SIHC-F0012	30 u				
50µm	F0025			PF-50SIHC-F0025	25 u				
50µm	F0040			PF-50SIHC-F0040	20 u				
50µm	F0080			PF-50SIHC-F0080	10 u				
50µm	F0120			PF-50SIHC-F0120	8 u				
50µm	F0220			PF-50SIHC-F0220	4 u				
50µm	F0330			PF-50SIHC-F0330	4 u				
50µm	F0800			PF-50SIHC-F0800	1 u				
50µm	F1600			PF-50SIHC-F1600	1 u				





Nature	Type	dp	Format	P/N	Qty	Application	
puriFlash® - Pur Silica SIHC - High Capacity Silica I JUMBO PACK I	SILICA HC	15µm	F0004	PF-15SIHC-JP-F0004	80 u	Non-ionic, polar organic compounds.	
		15µm	F0012	PF-15SIHC-JP-F0012	80 u		
		15µm	F0025	PF-15SIHC-JP-F0025	48 u		
		15µm	F0040	PF-15SIHC-JP-F0040	48 u		
		15µm	F0080	PF-15SIHC-JP-F0080	16 u		
		15µm	F0120	PF-15SIHC-JP-F0120	16 u		
		15µm	F0220	PF-15SIHC-JP-F0220	8 u		
		15µm	F0330	PF-15SIHC-JP-F0330	8 u		
		60Å - 680m ² /g	15µm	F0080	PF-15SIHC-JP-F0080		16 u
		USP: L3	15µm	F0220	PF-15SIHC-JP-F0220		8 u
pH Stability: 1.5 - 6.5 Mode: Normal		25µm	F0004	PF-25SIHC-JP-F0004	40 u		
		25µm	F0012	PF-25SIHC-JP-F0012	30 u		
		25µm	F0025	PF-25SIHC-JP-F0025	25 u		
		25µm	F0040	PF-25SIHC-JP-F0040	20 u		
		25µm	F0080	PF-25SIHC-JP-F0080	10 u		
		25µm	F0120	PF-25SIHC-JP-F0120	8 u		
		25µm	F0220	PF-25SIHC-JP-F0220	4 u		
		25µm	F0330	PF-25SIHC-JP-F0330	4 u		
		25µm	F0800	PF-25SIHC-JP-F0800	1 u		
		25µm	F1600	PF-25SIHC-JP-F1600	1 u		
		50µm	F0004	PF-50SIHC-JP-F0004	160 u		
		50µm	F0012	PF-50SIHC-JP-F0012	120 u		
		50µm	F0025	PF-50SIHC-JP-F0025	100 u		
		50µm	F0040	PF-50SIHC-JP-F0040	80 u		
		50µm	F0080	PF-50SIHC-JP-F0080	40 u		
		50µm	F0120	PF-50SIHC-JP-F0120	32 u		
		50µm	F0220	PF-50SIHC-JP-F0220	16 u		
		50µm	F0330	PF-50SIHC-JP-F0330	16 u		
		50µm	F0800	PF-50SIHC-JP-F0800	4 u		
		50µm	F1600	PF-50SIHC-JP-F1600	4 u		
Silice irreguliere puriFlash® SI - Silice	SILICA STD	20µm	F0004	IR-20SI-F0004	40 u	Non-ionic, polar organic compounds.	
		20µm	F0012	IR-20SI-F0012	30 u		
		20µm	F0025	IR-20SI-F0025	25 u		
		20µm	F0040	IR-20SI-F0040	20 u		
		20µm	F0080	IR-20SI-F0080	10 u		
		20µm	F0120	IR-20SI-F0120	8 u		
		20µm	F0220	IR-20SI-F0220	4 u		
		20µm	F0330	IR-20SI-F0330	4 u		
		20µm	F0800	IR-20SI-F0800	1 u		
		20µm	F1600	IR-20SI-F1600	1 u		
60Å - 450m ² /g		50µm	F0004	IR-50SI-F0004	40 u		
		50µm	F0012	IR-50SI-F0012	30 u		
		50µm	F0025	IR-50SI-F0025	25 u		
		50µm	F0040	IR-50SI-F0040	20 u		
		50µm	F0080	IR-50SI-F0080	10 u		
		50µm	F0120	IR-50SI-F0120	8 u		
		50µm	F0220	IR-50SI-F0220	4 u		
		50µm	F0330	IR-50SI-F0330	4 u		
		50µm	F0800	IR-50SI-F0800	1 u		
		50µm	F1600	IR-50SI-F1600	1 u		
USP: L3		50µm	F0004	IR-50SI-F0004	40 u		
		50µm	F0012	IR-50SI-F0012	30 u		
		50µm	F0025	IR-50SI-F0025	25 u		
		50µm	F0040	IR-50SI-F0040	20 u		
		50µm	F0080	IR-50SI-F0080	10 u		
		50µm	F0120	IR-50SI-F0120	8 u		
		50µm	F0220	IR-50SI-F0220	4 u		
		50µm	F0330	IR-50SI-F0330	4 u		
		50µm	F0800	IR-50SI-F0800	1 u		
		50µm	F1600	IR-50SI-F1600	1 u		
pH Stability: 1.5 - 6.5 Mode: Normal		50µm	F0004	IR-50SI-F0004	40 u		
		50µm	F0012	IR-50SI-F0012	30 u		
		50µm	F0025	IR-50SI-F0025	25 u		
		50µm	F0040	IR-50SI-F0040	20 u		
		50µm	F0080	IR-50SI-F0080	10 u		
		50µm	F0120	IR-50SI-F0120	8 u		
		50µm	F0220	IR-50SI-F0220	4 u		
		50µm	F0330	IR-50SI-F0330	4 u		
		50µm	F0800	IR-50SI-F0800	1 u		
		50µm	F1600	IR-50SI-F1600	1 u		



PURIFICATION-PROCESS

Ultra Performance Flash Purification | puriFlash® Columns



Nature	Type	dp	Format	P/N	Qty	Application
puriFlash® - Pur Silica SI - Silica coated AgNO ₃ 60Å - 500m ² /g pH Stability: 1.5 - 6.5 Mode: Normal	SILICA HP AGNO ₃	50µm	F0004	PF-50SIAG-F0004	25 u	Purification of stereo-isomers compounds.
		50µm	F0012	PF-50SIAG-F0012	12 u	
		50µm	F0025	PF-50SIAG-F0025	12 u	
		50µm	F0040	PF-50SIAG-F0040	8 u	
		50µm	F0080	PF-50SIAG-F0080	4 u	
		50µm	F0120	PF-50SIAG-F0120	2 u	
		50µm	F0220	PF-50SIAG-F0220	1 u	
		50µm	F0330	PF-50SIAG-F0330	1 u	
		50µm	F0800	PF-50SIAG-F0800	1 u	
		50µm	F1600	PF-50SIAG-F1600	1 u	
puriFlash® - Pur Silica NH ₂ - amino 100Å - 300m ² /g end-capping: one-step Carbon Load: 4% USP: L8 pH Stability: 2.0 - 6.5 Mode: Reverse / Normal phase / Ionic Exchange	NH ₂	15µm	F0004	PF-15NH ₂ -F0004	4 u	Can be either weak anion exchangers for strong acids, or polar media that can interact with OH, NH, SH...
		15µm	F0012	PF-15NH ₂ -F0012	2 u	
		15µm	F0025	PF-15NH ₂ -F0025	1 u	
		15µm	F0040	PF-15NH ₂ -F0040	1 u	
		15µm	F0080	PF-15NH ₂ -F0080	1 u	
		15µm	F0120	PF-15NH ₂ -F0120	1 u	
		15µm	F0220	PF-15NH ₂ -F0220	1 u	
		15µm	F0330	PF-15NH ₂ -F0330	1 u	
		30µm	F0004	PF-30NH ₂ -F0004	4 u	
		30µm	F0012	PF-30NH ₂ -F0012	2 u	
		30µm	F0025	PF-30NH ₂ -F0025	1 u	
		30µm	F0040	PF-30NH ₂ -F0040	1 u	
		30µm	F0080	PF-30NH ₂ -F0080	1 u	
		30µm	F0120	PF-30NH ₂ -F0120	1 u	
		30µm	F0220	PF-30NH ₂ -F0220	1 u	
		30µm	F0330	PF-30NH ₂ -F0330	1 u	
		30µm	F0800	PF-30NH ₂ -F0800	1 u	
		30µm	F1600	PF-30NH ₂ -F1600	1 u	
		50µm	F0004	PF-50NH ₂ -F0004	4 u	
		50µm	F0012	PF-50NH ₂ -F0012	2 u	
50µm	F0025	PF-50NH ₂ -F0025	1 u			
50µm	F0040	PF-50NH ₂ -F0040	1 u			
50µm	F0080	PF-50NH ₂ -F0080	1 u			
50µm	F0120	PF-50NH ₂ -F0120	1 u			
50µm	F0220	PF-50NH ₂ -F0220	1 u			
50µm	F0330	PF-50NH ₂ -F0330	1 u			
50µm	F0800	PF-50NH ₂ -F0800	1 u			
50µm	F1600	PF-50NH ₂ -F1600	1 u			
puriFlash® - Pur Silica NH ₂ HC - amino 60Å - 680m ² /g end-capping: n.c. Carbon Load: 4% USP: L8 pH Stability: 1.5 - 6.5 Mode: Reverse / Normal phase / Ionic Exchange	NH ₂ HC	50µm	F0004	PF-50NH ₂ HC-F0004	4 u	Can be either weak anion exchangers for strong acids, or polar media that can interact with OH, NH, SH...
		50µm	F0012	PF-50NH ₂ HC-F0012	2 u	
		50µm	F0025	PF-50NH ₂ HC-F0025	1 u	
		50µm	F0040	PF-50NH ₂ HC-F0040	1 u	
		50µm	F0080	PF-50NH ₂ HC-F0080	1 u	
		50µm	F0120	PF-50NH ₂ HC-F0120	1 u	
		50µm	F0220	PF-50NH ₂ HC-F0220	1 u	
		50µm	F0330	PF-50NH ₂ HC-F0330	1 u	
		50µm	F0800	PF-50NH ₂ HC-F0800	1 u	
		50µm	F1600	PF-50NH ₂ HC-F1600	1 u	
puriFlash® - Pur Silica SCX - Strong anion exchange 100Å - 400m ² /g USP: L50 pH Stability: 1.0 - 7.5 Mode: Ionic Exchange	SCX	50µm	F0004	PF-50SCX-F0004	4 u	Strong cation exchange (SCX) contains sulfonic acid used to analyze weak basic compounds which have one or more positive charges.
		50µm	F0012	PF-50SCX-F0012	2 u	
		50µm	F0025	PF-50SCX-F0025	1 u	
		50µm	F0040	PF-50SCX-F0040	1 u	
		50µm	F0080	PF-50SCX-F0080	1 u	
		50µm	F0120	PF-50SCX-F0120	1 u	
		50µm	F0220	PF-50SCX-F0220	1 u	
		50µm	F0330	PF-50SCX-F0330	1 u	
		50µm	F0800	PF-50SCX-F0800	1 u	
		50µm	F1600	PF-50SCX-F1600	1 u	





Nature	Type	dp	Format	P/N	Qty	Application	
puriFlash® - Pur Silica SAX - Strong anion exchnage	SAX	50µm	F0004	PF-50SAX-F0004	4 u	Strong anion exchange (SAX) contains quaternary amine used to analyze weak acid compounds which have one or more negative charged, nucleotides, nucleosides, organic acids...	
		50µm	F0012	PF-50SAX-F0012	2 u		
		50µm	F0025	PF-50SAX-F0025	1 u		
		60Å - 500m ² /g	50µm	F0040	PF-50SAX-F0040		1 u
		USP: L14	50µm	F0080	PF-50SAX-F0080		1 u
			50µm	F0120	PF-50SAX-F0120		1 u
		pH Stability: 1.0 - 7.5	50µm	F0220	PF-50SAX-F0220		1 u
		Mode: Ionic Exchange	50µm	F0330	PF-50SAX-F0330		1 u
			50µm	F0800	PF-50SAX-F0800		1 u
			50µm	F1600	PF-50SAX-F1600		1 u
PolyStyrene Divinylbenzene PSDVB	X	40µm	F0004	PF-X-F0004	4 u	Universal polymer with high surface area designed to purify a broad range of hydrophobic compounds through a variety of matrices in a pH range from 1 to 14.	
		40µm	F0012	PF-X-F0012	2 u		
		40µm	F0025	PF-X-F0025	1 u		
		100Å - 800m ² /g	40µm	F0040	PF-X-F0040		1 u
			40µm	F0080	PF-X-F0080		1 u
			40µm	F0120	PF-X-F0120		1 u
		pH Stability: 1.0 - 13	40µm	F0220	PF-X-F0220		1 u
		Mode: Reverse phase	40µm	F0330	PF-X-F0330		1 u
			40µm	F0800	PF-X-F0800		1 u
			40µm	F1600	PF-X-F1600		1 u
Polyamide-6 P6	P6	100µm	F0004	PF-100P6-F0004	4 u	Exhibits a constant selectivity toward flavones, chalkones, anthraquinones, aromatic nitro compounds, DNP amino acids, phenols, carbonic acids, acid amides, sulphonic acids and amides of sulphonic acids as well.	
		100µm	F0012	PF-100P6-F0012	2 u		
		60Å	100µm	F0025	PF-100P6-F0025		2 u
			100µm	F0040	PF-100P6-F0040		2 u
			100µm	F0080	PF-100P6-F0080		1 u
			100µm	F0120	PF-100P6-F0120		1 u
			100µm	F0220	PF-100P6-F0220		1 u
		Mode: Normal	100µm	F0330	PF-100P6-F0330		1 u
			100µm	F0800	PF-100P6-F0800		1 u
			100µm	F1600	PF-100P6-F1600		1 u
Neutral Alumina activated ALN	ALUMINE N	32/63µm	F0001	SC-ALN-F0001	25 u	Natural products , Essential oils, Antibiotics, Vitamins, Alkaloids...	
		32/63µm	F0004	PF-ALN-F0004	8 u		
		60Å - 200m ² /g	32/63µm	F0012	PF-ALN-F0012		4 u
			32/63µm	F0025	PF-ALN-F0025		4 u
			32/63µm	F0040	PF-ALN-F0040		4 u
			32/63µm	F0080	PF-ALN-F0080		2 u
			32/63µm	F0120	PF-ALN-F0120		2 u
			32/63µm	F0220	PF-ALN-F0220		2 u
		Mode: Normal	32/63µm	F0330	PF-ALN-F0330		1 u
			32/63µm	F0800	PF-ALN-F0800		1 u
	32/63µm	F1600	PF-ALN-F1600	1 u			
Basic Alumina activated ALB	ALUMINE B	32/63µm	F0004	PF-ALB-F0004	8 u	Plant extraction, organic solvent purification, Alkaloids...	
		32/63µm	F0012	PF-ALB-F0012	4 u		
		60Å - 200m ² /g	32/63µm	F0025	PF-ALB-F0025		4 u
			32/63µm	F0040	PF-ALB-F0040		4 u
			32/63µm	F0080	PF-ALB-F0080		2 u
			32/63µm	F0120	PF-ALB-F0120		2 u
			32/63µm	F0220	PF-ALB-F0220		2 u
		Mode: Normal	32/63µm	F0330	PF-ALB-F0330		1 u
			32/63µm	F0800	PF-ALB-F0800		1 u
			32/63µm	F1600	PF-ALB-F1600		1 u



Nature	Type	dp	Format	P/N	Qty	Application
Activated Carbon	ACTIVATED CARBON		F0004	PF-AC-F0004	16 u	
			F0012	PF-AC-F0012	8 u	
			F0025	PF-AC-F0025	8 u	
			F0040	PF-AC-F0040	8 u	
			F0080	PF-AC-F0080	4 u	Decolorization
			F0120	PF-AC-F0120	4 u	
			F0220	PF-AC-F0220	4 u	
			F0330	PF-AC-F0330	2 u	
			F0800	PF-AC-F0800	1 u	
	F1600	PF-AC-F1600	1 u			
Chiral Purification						
Spherical Silica IA - Amylose tris (3,5-dimethylphenyl carbamate) Mode: Normal /Reverse	CHIRAL IA	20µm	F0004	CT-20IA-F0004	1 u	
		20µm	F0012	CT-20IA-F0012	1 u	
		20µm	F0025	CT-20IA-F0025	1 u	Chiral compounds by normal & reversed phase such as Bupivacaine, Indapamide, suprofern...
		20µm	F0040	CT-20IA-F0040	1 u	
		20µm	F0080	CT-20IA-F0080	1 u	
		20µm	F0120	CT-20IA-F0120	1 u	
		20µm	F0220	CT-20IA-F0220	1 u	
Spherical Silica IC - cellulose tris (3,5-dichlorophenylcarbamate) Mode: Normal /Reverse	CHIRAL IC	20µm	F0004	CT-20IC-F0004	1 u	Chiral compounds by normal & reversed phase such as Econazole, Indoprofen, 5-Fluoro-1 (tetrahydro-2-furyl) uracil...
		20µm	F0012	CT-20IC-F0012	1 u	
		20µm	F0025	CT-20IC-F0025	1 u	
		20µm	F0040	CT-20IC-F0040	1 u	
Spherical Silica ID - Amylose Tris (3-Chlorophenylcarbamate) Mode: Normal /Reverse	CHIRAL ID	20µm	F0004	CT-20ID-F0004	1 u	Chiral compounds by normal & reversed phase such as (±)-Hydrobenzoin, Sulconazole, Tropic acid...
		20µm	F0012	CT-20ID-F0012	1 u	
		20µm	F0025	CT-20ID-F0025	1 u	
		20µm	F0040	CT-20ID-F0040	1 u	
Spherical Silica OD-I - cellulose tris (3,5-dimethylphenylcarbamate) Mode: Normal /Reverse	CHIRAL OD-I	20µm	F0004	CT-20OD-F0004	1 u	Chiral compounds by normal & reversed phase such as 2-Bromomethyl-1,4- benzodioxane, pindolol, Troger's Base...
		20µm	F0012	CT-20OD-F0012	1 u	
		20µm	F0025	CT-20OD-F0025	1 u	
		20µm	F0040	CT-20OD-F0040	1 u	



Nature	Type	dp	Format	P/N	Qty	Application			
Bio Purification									
<p>puriFlash® PT Pur Silica</p> <p>200Å - 150m²/g</p> <p>C18T - octadecyl trifonctionnel</p> <p>end-capping: one-step</p> <p>Carbon Load: 14%</p> <p>USP: L1</p> <p>pH Stability: 1.0 - 10.0</p> <p>Mode: Reverse phase</p>	200 C18-T	15µm	F0004	PT-15C18T-F0004	2 u	BioDrugs & Peptides with medium molecular weight.			
		15µm	F0012	PT-15C18T-F0012	1 u				
		15µm	F0025	PT-15C18T-F0025	1 u				
		15µm	F0040	PT-15C18T-F0040	1 u				
		15µm	F0080	PT-15C18T-F0080	1 u				
		15µm	F0120	PT-15C18T-F0120	1 u				
		15µm	F0220	PT-15C18T-F0220	1 u				
		15µm	F0330	PT-15C18T-F0330	1 u				
		<hr/>							
		<p>puriFlash® PT Pur Silica</p> <p>200Å - 150m²/g</p> <p>C18AQ - octadecyl stable under Aqueous mobile phase</p> <p>end-capping: mixte</p> <p>Carbon Load: 12%</p> <p>USP: L1</p> <p>pH Stability: 1.5 - 8.0</p> <p>Mode: Reverse phase</p>	200 C18-AQ	15µm	F0004		PT-15C18AQ-F0004	2 u	mid-polar BioDrugs & Peptides with medium molecular weight. 100% water compatible.
15µm	F0012			PT-15C18AQ-F0012	1 u				
15µm	F0025			PT-15C18AQ-F0025	1 u				
15µm	F0040			PT-15C18AQ-F0040	1 u				
15µm	F0080			PT-15C18AQ-F0080	1 u				
15µm	F0120			PT-15C18AQ-F0120	1 u				
15µm	F0220			PT-15C18AQ-F0220	1 u				
15µm	F0330			PT-15C18AQ-F0330	1 u				
<hr/>									
<p>puriFlash® PT Pur Silica</p> <p>200Å - 150m²/g</p> <p>C8 - octyl</p> <p>end-capping: one-step</p> <p>Carbon Load: 5%</p> <p>USP: L7</p> <p>pH Stability: 1.5 - 8.0</p> <p>Mode: Reverse phase</p>	200 C8			15µm	F0004	PT-15C8-F0004	2 u	BioDrugs & Peptides with medium molecular weight.	
		15µm	F0012	PT-15C8-F0012	1 u				
		15µm	F0025	PT-15C8-F0025	1 u				
		15µm	F0040	PT-15C8-F0040	1 u				
		15µm	F0080	PT-15C8-F0080	1 u				
		15µm	F0120	PT-15C8-F0120	1 u				
		15µm	F0220	PT-15C8-F0220	1 u				
		15µm	F0330	PT-15C8-F0330	1 u				
		<hr/>							
		<p>puriFlash® PT Pur Silica</p> <p>200Å - 150m²/g</p> <p>C4 - butyl</p> <p>end-capping: one-step</p> <p>Carbon Load: 3%</p> <p>USP: L26</p> <p>pH Stability: 1.5 - 8.0</p> <p>Mode: Reverse phase</p>	200 C4	15µm	F0004	PT-15C4-F0004	2 u		BioDrugs & Peptides with high molecular weight.
15µm	F0012			PT-15C4-F0012	1 u				
15µm	F0025			PT-15C4-F0025	1 u				
15µm	F0040			PT-15C4-F0040	1 u				
15µm	F0080			PT-15C4-F0080	1 u				
15µm	F0120			PT-15C4-F0120	1 u				
15µm	F0220			PT-15C4-F0220	1 u				
15µm	F0330			PT-15C4-F0330	1 u				
<hr/>									
<p>puriFlash® PT Pur Silica</p> <p>300Å - 100m²/g</p> <p>C18 - octadecyl</p> <p>end-capping: one-step</p> <p>Carbon Load: 10%</p> <p>USP: L1</p> <p>pH Stability: 1.5 - 8.0</p> <p>Mode: Reverse phase</p>	300 C18			15µm	F0004	PP-15C18-F0004	2 u	Weakly hydrophobic peptides & oligopeptides up to 50 kD.	
		15µm	F0012	PP-15C18-F0012	1 u				
		15µm	F0025	PP-15C18-F0025	1 u				
		15µm	F0040	PP-15C18-F0040	1 u				
		15µm	F0080	PP-15C18-F0080	1 u				
		15µm	F0120	PP-15C18-F0120	1 u				
		15µm	F0220	PP-15C18-F0220	1 u				
		15µm	F0330	PP-15C18-F0330	1 u				
		<hr/>							
		<p>puriFlash® PT Pur Silica</p> <p>300Å - 100m²/g</p> <p>C4 - butyl</p> <p>end-capping: one-step</p> <p>Carbon Load: 3%</p> <p>USP: L26</p> <p>pH Stability: 1.5 - 8.0</p> <p>Mode: Reverse phase</p>	300 C4	15µm	F0004	PP-15C4-F0004	2 u		Hydrophobic proteines & polypeptides, 50 up to 150 kD.
15µm	F0012			PP-15C4-F0012	1 u				
15µm	F0025			PP-15C4-F0025	1 u				
15µm	F0040			PP-15C4-F0040	1 u				
15µm	F0080			PP-15C4-F0080	1 u				
15µm	F0120			PP-15C4-F0120	1 u				
15µm	F0220			PP-15C4-F0220	1 u				
15µm	F0330			PP-15C4-F0330	1 u				



PuriFlash® DryLoad & HP DryLoad

Dry-load columns for solid deposits allows the injection of a raw sample soluble or insoluble in the mobile phase.

Compared to liquid injection, the solid deposit avoids the diffusion of raw sample in the purification column. It improve the resolution, the efficiency and therefore the purity of the products collected. The solid deposit that can be realized with silica, C18 or Celite. Unlike open cartridges, it does not require the use of a piston or of specific adapters.

The max. pressure is 2x the standard solid deposit cartridges.

They are compatible with the use of Interchim® 15µm puriFlash® columns.

- Inlet & Outlet Luer lock
- 4g to 300g Dry load
- Compatible with all flash chromatography systems

Nature	Type	Format	P/N	Qty
PuriFlash® DryLoad	Empty	F0004	PF-DLE-F0004	20 u
		F0012	PF-DLE-F0012	20 u
		F0025	PF-DLE-F0025	20 u
		F0040	PF-DLE-F0040	20 u
		F0060	PF-DLE-F0060	10 u
		F0080	PF-DLE-F0080	5 u
		F0100	PF-DLE-F0100	5 u
		F0120	PF-DLE-F0120	5 u
		F0220	PF-DLE-F0220	5 u
		F0330	PF-DLE-F0330	5 u

PuriFlash DryLoad - Tightening tool			JV0470	1 u
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PuriFlash® DryLoad	SILICA HC 80%	F0004	PF-DLSIHC08-F0004	20 u
		F0012	PF-DLSIHC08-F0012	20 u
		F0025	PF-DLSIHC08-F0025	20 u
		F0040	PF-DLSIHC08-F0040	20 u

PuriFlash® DryLoad	SILICA HC 50%	F0004	PF-DLSIHC05-F0004	20 u
		F0012	PF-DLSIHC05-F0012	20 u
		F0025	PF-DLSIHC05-F0025	20 u
		F0040	PF-DLSIHC05-F0040	20 u

PuriFlash® DryLoad	CELITE 80%	F0004	PF-DLCET08-F0004	20 u
		F0012	PF-DLCET08-F0012	20 u
		F0025	PF-DLCET08-F0025	20 u
		F0040	PF-DLCET08-F0040	20 u

PuriFlash® DryLoad	C18 STD 80%	F0004	PF-DLIRC1808-F0004	5 u
		F0012	PF-DLIRC1808-F0012	5 u
		F0025	PF-DLIRC1808-F0025	5 u
		F0040	PF-DLIRC1808-F0040	5 u

PuriFlash® DryLoad	C18 STD 50%	F0004	PF-DLIRC1805-F0004	5 u
		F0012	PF-DLIRC1805-F0012	5 u
		F0025	PF-DLIRC1805-F0025	5 u
		F0040	PF-DLIRC1805-F0040	5 u

Nature	Type	Size	P/N	Qty
PuriFlash® HP DryLoad	Empty	50 x 21.2 mm	OA0320	1 u
		75 x 21.2 mm	OA0330	1 u
		100 x 21.2 mm	7A1870	1 u
		50 x 30 mm	OA0340	1 u
		75 x 30 mm	OA0350	1 u
		100 x 30 mm	7A1880	1 u

PuriFlash® DryLoad - Tightening tool				
Spanner wrench for 21.2 mm ID			7A1590	1 u
Spanner wrench for 30 mm ID			7A1610	1 u



Interchim® pre-packed prep LC columns

Interchim® Preparative columns range from 10.0 to 50.8mm i.d and are for the purification of samples ranging from 0.5mg 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 50mm i.d column with a 500 μ m 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 raising column life time.





C18-3 | Selectivity

Uptisphere® Strategy™

Capacity | Productivity

C18 - Octadecyl

USP Code: L1

Ø pore: 100Å

Surface area: 425m²/g

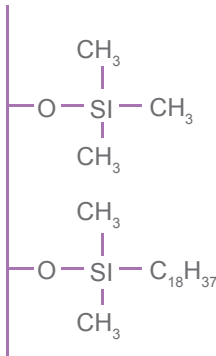
Bonding type: Mono-fonctionnal

% carbon: 22 %

End-Capping: Multi step

pH Stability: 1-12

Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

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

Type	Particle Size	Dimensions	P/N
C18-3	5µm	250x4.6mm	US5C183-250/P46
	5µm	150x10.0mm	US5C183-150/100
	5µm	250x10.0mm	US5C183-250/100
	5µm	50x21.2mm	US5C183-050/212
	5µm	100x21.2mm	US5C183-100/212
	5µm	150x21.2mm	US5C183-150/212
	5µm	250x21.2mm	US5C183-250/212
	5µm	50x30.0mm	US5C183-050/300
	5µm	100x30.0mm	US5C183-100/300
	5µm	150 30.0mm	US5C183-150/300
	5µm	250x30.0mm	US5C183-250/300
	5µm	50x50.0mm	US5C183-050/500
	5µm	250x50.0mm	US5C183-250/500
	C18-3	10µm	250x4.6mm
10µm		150x10.0mm	US10C183-150/100
10µm		250x10.0mm	US10C183-250/100
10µm		50x21.2mm	US10C183-050/212
10µm		100x21.2mm	US10C183-100/212
10µm		150x21.2mm	US10C183-150/212
10µm		250x21.2mm	US10C183-250/212
10µm		50x30.0mm	US10C183-050/300
10µm		100x30.0mm	US10C183-100/300
10µm		150 30.0mm	US10C183-150/300
10µm		250x30.0mm	US10C183-250/300
10µm		50x50.0mm	US10C183-050/500
10µm		250x50.0mm	US10C183-250/500
C18-3		15µm	250x4.6mm
	15µm	150x10.0mm	US15C183-150/100
	15µm	250x10.0mm	US15C183-250/100
	15µm	50x21.2mm	US15C183-050/212
	15µm	100x21.2mm	US15C183-100/212
	15µm	150x21.2mm	US15C183-150/212
	15µm	250x21.2mm	US15C183-250/212
	15µm	50x30.0mm	US15C183-050/300
	15µm	100x30.0mm	US15C183-100/300
	15µm	150 30.0mm	US15C183-150/300
	15µm	250x30.0mm	US15C183-250/300
	15µm	50x50.0mm	US15C183-050/500
	15µm	250x50.0mm	US15C183-250/500

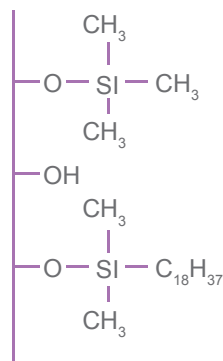


This utility phase serves many pharmaceutical applications. Its 425 m²/g surface area providing excellent loading capacity.

C18-HQ | Selectivity
— Uptisphere® Strategy™ —
Capacity | Productivity

Type	Particle Size	Dimensions	P/N
C18-HQ	5µm	250x4.6mm	US5C18HQ-250/P46
	5µm	150x10.0mm	US5C18HQ-150/100
	5µm	250x10.0mm	US5C18HQ-250/100
	5µm	50x21.2mm	US5C18HQ-050/212
	5µm	100x21.2mm	US5C18HQ-100/212
	5µm	150x21.2mm	US5C18HQ-150/212
	5µm	250x21.2mm	US5C18HQ-250/212
	5µm	50x30.0mm	US5C18HQ-050/300
	5µm	100x30.0mm	US5C18HQ-100/300
	5µm	150 30.0mm	US5C18HQ-150/300
	5µm	250x30.0mm	US5C18HQ-250/300
	5µm	50x50.0mm	US5C18HQ-050/500
	5µm	250x50.0mm	US5C18HQ-250/500
C18-HQ	10µm	250x4.6mm	US10C18HQ-250/P46
	10µm	150x10.0mm	US10C18HQ-150/100
	10µm	250x10.0mm	US10C18HQ-250/100
	10µm	50x21.2mm	US10C18HQ-050/212
	10µm	100x21.2mm	US10C18HQ-100/212
	10µm	150x21.2mm	US10C18HQ-150/212
	10µm	250x21.2mm	US10C18HQ-250/212
	10µm	50x30.0mm	US10C18HQ-050/300
	10µm	100x30.0mm	US10C18HQ-100/300
	10µm	150 30.0mm	US10C18HQ-150/300
	10µm	250x30.0mm	US10C18HQ-250/300
	10µm	50x50.0mm	US10C18HQ-050/500
	10µm	250x50.0mm	US10C18HQ-250/500
C18-HQ	15µm	250x4.6mm	US15C18HQ-250/P46
	15µm	150x10.0mm	US15C18HQ-150/100
	15µm	250x10.0mm	US15C18HQ-250/100
	15µm	50x21.2mm	US15C18HQ-050/212
	15µm	100x21.2mm	US15C18HQ-100/212
	15µm	150x21.2mm	US15C18HQ-150/212
	15µm	250x21.2mm	US15C18HQ-250/212
	15µm	50x30.0mm	US15C18HQ-050/300
	15µm	100x30.0mm	US15C18HQ-100/300
	15µm	150 30.0mm	US15C18HQ-150/300
	15µm	250x30.0mm	US15C18HQ-250/300
	15µm	50x50.0mm	US15C18HQ-050/500
	15µm	250x50.0mm	US15C18HQ-250/500

C18 - Octadecyl
USP Code: L1
Ø pore: 100Å
Surface area: 425m²/g
Bonding type: Mono-fonctionnal
% carbon: 19%
End-Capping: Multi step
pH Stability: 1-10
Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash





C18-RP | Selectivity

Uptisphere® Strategy™

Capacity | Productivity

C18 - Octadecyl

USP Code: L1

Ø pore: 100Å

Surface area: 425m²/g

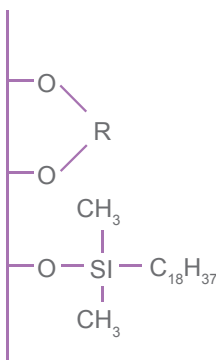
Bonding type: Mono-fonctionnal

% carbon: 16%

End-Capping: Multi step - mixte

pH Stability: 1.5 - 8

Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Suitable for mid & non polar compounds separation. RP shows excellent mechanical stability that make it an excellent tool for purification under acidic or basic conditions.

Type	Particle Size	Dimensions	P/N
C18-RP	5µm	250x4.6mm	US5RP-250/P46
	5µm	150x10.0mm	US5RP-150/100
	5µm	250x10.0mm	US5RP-250/100
	5µm	50x21.2mm	US5RP-050/212
	5µm	100x21.2mm	US5RP-100/212
	5µm	150x21.2mm	US5RP-150/212
	5µm	250x21.2mm	US5RP-250/212
	5µm	50x30.0mm	US5RP-050/300
	5µm	100x30.0mm	US5RP-100/300
	5µm	150 30.0mm	US5RP-150/300
	5µm	250x30.0mm	US5RP-250/300
	5µm	50x50.0mm	US5RP-050/500
	5µm	250x50.0mm	US5RP-250/500
	C18-RP	10µm	250x4.6mm
10µm		150x10.0mm	US10RP-150/100
10µm		250x10.0mm	US10RP-250/100
10µm		50x21.2mm	US10RP-050/212
10µm		100x21.2mm	US10RP-100/212
10µm		150x21.2mm	US10RP-150/212
10µm		250x21.2mm	US10RP-250/212
10µm		50x30.0mm	US10RP-050/300
10µm		100x30.0mm	US10RP-100/300
10µm		150 30.0mm	US10RP-150/300
10µm		250x30.0mm	US10RP-250/300
10µm		50x50.0mm	US10RP-050/500
10µm		250x50.0mm	US10RP-250/500
C18-RP		15µm	250x4.6mm
	15µm	150x10.0mm	US15RP-150/100
	15µm	250x10.0mm	US15RP-250/100
	15µm	50x21.2mm	US15RP-050/212
	15µm	100x21.2mm	US15RP-100/212
	15µm	150x21.2mm	US15RP-150/212
	15µm	250x21.2mm	US15RP-250/212
	15µm	50x30.0mm	US15RP-050/300
	15µm	100x30.0mm	US15RP-100/300
	15µm	150 30.0mm	US15RP-150/300
	15µm	250x30.0mm	US15RP-250/300
	15µm	50x50.0mm	US15RP-050/500
	15µm	250x50.0mm	US15RP-250/500



Very selective for compounds with aromatic cycles and mid-polar compounds

PHC4 | Selectivity

— Uptisphere® Strategy™ —

Capacity | Productivity

Type	Particle Size	Dimensions	P/N
PHC4	5µm	250x4.6mm	US5PHC4-250/P46
	5µm	150x10.0mm	US5PHC4-150/100
	5µm	250x10.0mm	US5PHC4-250/100
	5µm	50x21.2mm	US5PHC4-050/212
	5µm	100x21.2mm	US5PHC4-100/212
	5µm	150x21.2mm	US5PHC4-150/212
	5µm	250x21.2mm	US5PHC4-250/212
	5µm	50x30.0mm	US5PHC4-050/300
	5µm	100x30.0mm	US5PHC4-100/300
	5µm	150 30.0mm	US5PHC4-150/300
	5µm	250x30.0mm	US5PHC4-250/300
	5µm	50x50.0mm	US5PHC4-050/500
	5µm	250x50.0mm	US5PHC4-250/500
PHC4	10µm	250x4.6mm	US10PHC4-250/P46
	10µm	150x10.0mm	US10PHC4-150/100
	10µm	250x10.0mm	US10PHC4-250/100
	10µm	50x21.2mm	US10PHC4-050/212
	10µm	100x21.2mm	US10PHC4-100/212
	10µm	150x21.2mm	US10PHC4-150/212
	10µm	250x21.2mm	US10PHC4-250/212
	10µm	50x30.0mm	US10PHC4-050/300
	10µm	100x30.0mm	US10PHC4-100/300
	10µm	150 30.0mm	US10PHC4-150/300
	10µm	250x30.0mm	US10PHC4-250/300
	10µm	50x50.0mm	US10PHC4-050/500
	10µm	250x50.0mm	US10PHC4-250/500
PHC4	15µm	250x4.6mm	US15PHC4-250/P46
	15µm	150x10.0mm	US15PHC4-150/100
	15µm	250x10.0mm	US15PHC4-250/100
	15µm	50x21.2mm	US15PHC4-050/212
	15µm	100x21.2mm	US15PHC4-100/212
	15µm	150x21.2mm	US15PHC4-150/212
	15µm	250x21.2mm	US15PHC4-250/212
	15µm	50x30.0mm	US15PHC4-050/300
	15µm	100x30.0mm	US15PHC4-100/300
	15µm	150 30.0mm	US15PHC4-150/300
	15µm	250x30.0mm	US15PHC4-250/300
	15µm	50x50.0mm	US15PHC4-050/500
	15µm	250x50.0mm	US15PHC4-250/500

PHC4 - Butyl-Phenyl

USP Code: L11

Ø pore: 100Å

Surface area: 300m²/g

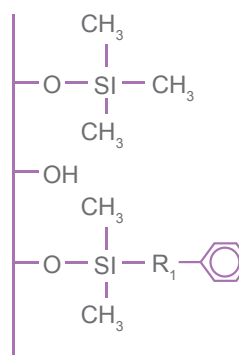
Bonding type: mono-fonctionnal

% carbon: 12 %

End-Capping: one step

pH Stability: 1.5 - 7.5

Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



Hilic-HIT | Selectivity

Uptisphere® Strategy™

Capacity | Productivity

Hilic-HIT

USP Code: L3

Pore Size: 100Å

Surface area: 425m²/g

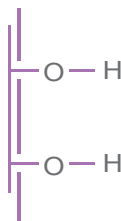
Bonding type: Proprietary

% carbon: n.c.

End-Capping: n.c.

pH Stability: 1.5 - 7

Utilization mode: Hilic



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

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

Typical mobile phase: water / ACN (> 70%)

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

Type	Particle Size	Dimensions	P/N
HILIC-HIT	5µm	250x4.6mm	US5HIT-250/P46
	5µm	150x10.0mm	US5HIT-150/100
	5µm	250x10.0mm	US5HIT-250/100
	5µm	50x21.2mm	US5HIT-050/212
	5µm	100x21.2mm	US5HIT-100/212
	5µm	150x21.2mm	US5HIT-150/212
	5µm	250x21.2mm	US5HIT-250/212
	5µm	50x30.0mm	US5HIT-050/300
	5µm	100x30.0mm	US5HIT-100/300
	5µm	150 30.0mm	US5HIT-150/300
	5µm	250x30.0mm	US5HIT-250/300
	5µm	50x50.0mm	US5HIT-050/500
	5µm	250x50.0mm	US5HIT-250/500
	HILIC-HIT	10µm	250x4.6mm
10µm		150x10.0mm	US10HIT-150/100
10µm		250x10.0mm	US10HIT-250/100
10µm		50x21.2mm	US10HIT-050/212
10µm		100x21.2mm	US10HIT-100/212
10µm		150x21.2mm	US10HIT-150/212
10µm		250x21.2mm	US10HIT-250/212
10µm		50x30.0mm	US10HIT-050/300
10µm		100x30.0mm	US10HIT-100/300
10µm		150 30.0mm	US10HIT-150/300
10µm		250x30.0mm	US10HIT-250/300
10µm		50x50.0mm	US10HIT-050/500
10µm		250x50.0mm	US10HIT-250/500
HILIC-HIT		15µm	250x4.6mm
	15µm	150x10.0mm	US15HIT-150/100
	15µm	250x10.0mm	US15HIT-250/100
	15µm	50x21.2mm	US15HIT-050/212
	15µm	100x21.2mm	US15HIT-100/212
	15µm	150x21.2mm	US15HIT-150/212
	15µm	250x21.2mm	US15HIT-250/212
	15µm	50x30.0mm	US15HIT-050/300
	15µm	100x30.0mm	US15HIT-100/300
	15µm	150 30.0mm	US15HIT-150/300
	15µm	250x30.0mm	US15HIT-250/300
	15µm	50x50.0mm	US15HIT-050/500
	15µm	250x50.0mm	US15HIT-250/500

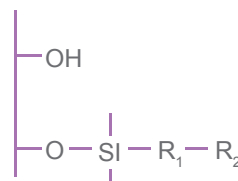


Aqueous normal phase separation (ANP) of water-soluble compounds.
Typical mobile phase: water / ACN (> 70%)
ANP is an excellent alternative to RP purification for highly polar compounds.

Hilic-HIA | Selectivity
— Uptisphere® Strategy™ —
Capacity | Productivity

Type	Particle Size	Dimensions	P/N
HILIC-HIA	5µm	250x4.6mm	US5HIA-250/P46
	5µm	150x10.0mm	US5HIA-150/100
	5µm	250x10.0mm	US5HIA-250/100
	5µm	50x21.2mm	US5HIA-050/212
	5µm	100x21.2mm	US5HIA-100/212
	5µm	150x21.2mm	US5HIA-150/212
	5µm	250x21.2mm	US5HIA-250/212
	5µm	50x30.0mm	US5HIA-050/300
	5µm	100x30.0mm	US5HIA-100/300
	5µm	150 30.0mm	US5HIA-150/300
	5µm	250x30.0mm	US5HIA-250/300
	5µm	50x50.0mm	US5HIA-050/500
	5µm	250x50.0mm	US5HIA-250/500
HILIC-HIA	10µm	250x4.6mm	US10HIA-250/P46
	10µm	150x10.0mm	US10HIA-150/100
	10µm	250x10.0mm	US10HIA-250/100
	10µm	50x21.2mm	US10HIA-050/212
	10µm	100x21.2mm	US10HIA-100/212
	10µm	150x21.2mm	US10HIA-150/212
	10µm	250x21.2mm	US10HIA-250/212
	10µm	50x30.0mm	US10HIA-050/300
	10µm	100x30.0mm	US10HIA-100/300
	10µm	150 30.0mm	US10HIA-150/300
	10µm	250x30.0mm	US10HIA-250/300
	10µm	50x50.0mm	US10HIA-050/500
	10µm	250x50.0mm	US10HIA-250/500
HILIC-HIA	15µm	250x4.6mm	US15HIA-250/P46
	15µm	150x10.0mm	US15HIA-150/100
	15µm	250x10.0mm	US15HIA-250/100
	15µm	50x21.2mm	US15HIA-050/212
	15µm	100x21.2mm	US15HIA-100/212
	15µm	150x21.2mm	US15HIA-150/212
	15µm	250x21.2mm	US15HIA-250/212
	15µm	50x30.0mm	US15HIA-050/300
	15µm	100x30.0mm	US15HIA-100/300
	15µm	150 30.0mm	US15HIA-150/300
	15µm	250x30.0mm	US15HIA-250/300
	15µm	50x50.0mm	US15HIA-050/500
	15µm	250x50.0mm	US15HIA-250/500

Hilic-HIA
USP Code:
Pore Size: 100Å
Surface area: 300m²/g
Bonding type: Proprietary
% carbon: n.c.
End-Capping: n.c.
pH Stability: 2 - 7
Utilization mode: Hilic



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



SI

Selectivity

Uptisphere® Strategy™

Capacity

Productivity

SI

USP Code: L3

Pore Size: 100Å

Surface area: 425m²/g

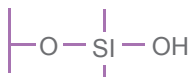
Bonding type: - -

% carbon: - -

End-Capping: - -

pH Stability: 1.5 - 7

Utilization mode: normal



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Non-ionic, polar organic compounds.

Type	Particle Size	Dimensions	P/N	
SI	5µm	250x4.6mm	US5SI-250/P46	
	5µm	150x10.0mm	US5SI-150/100	
	5µm	250x10.0mm	US5SI-250/100	
	5µm	50x21.2mm	US5SI-050/212	
	5µm	100x21.2mm	US5SI-100/212	
	5µm	150x21.2mm	US5SI-150/212	
	5µm	250x21.2mm	US5SI-250/212	
	5µm	50x30.0mm	US5SI-050/300	
	5µm	100x30.0mm	US5SI-100/300	
	5µm	150 30.0mm	US5SI-150/300	
	5µm	250x30.0mm	US5SI-250/300	
	5µm	50x50.0mm	US5SI-050/500	
	5µm	250x50.0mm	US5SI-250/500	
	SI	10µm	250x4.6mm	US10SI-250/P46
		10µm	150x10.0mm	US10SI-150/100
10µm		250x10.0mm	US10SI-250/100	
10µm		50x21.2mm	US10SI-050/212	
10µm		100x21.2mm	US10SI-100/212	
10µm		150x21.2mm	US10SI-150/212	
10µm		250x21.2mm	US10SI-250/212	
10µm		50x30.0mm	US10SI-050/300	
10µm		100x30.0mm	US10SI-100/300	
10µm		150 30.0mm	US10SI-150/300	
10µm		250x30.0mm	US10SI-250/300	
10µm		50x50.0mm	US10SI-050/500	
10µm		250x50.0mm	US10SI-250/500	



NEC strongly retains the polar and mid-polar compounds. It overcomes peak tailing with compounds that contain chains and/or carbon cycles combined with numerous polar groups and/or basic in character.

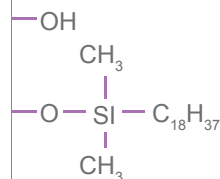
C18-NEC | Selectivity

Uptisphere® columns

Capacity | Productivity

Type	Particle Size	Dimensions	P/N
C18-NEC	5µm	250x4.6mm	UP5NEC-250/P46
	5µm	150x10.0mm	UP5NEC-150/100
	5µm	250x10.0mm	UP5NEC-250/100
	5µm	50x21.2mm	UP5NEC-050/212
	5µm	100x21.2mm	UP5NEC-100/212
	5µm	150x21.2mm	UP5NEC-150/212
	5µm	250x21.2mm	UP5NEC-250/212
	5µm	50x30.0mm	UP5NEC-050/300
	5µm	100x30.0mm	UP5NEC-100/300
	5µm	150 30.0mm	UP5NEC-150/300
	5µm	250x30.0mm	UP5NEC-250/300
	5µm	50x50.0mm	UP5NEC-050/500
	5µm	250x50.0mm	UP5NEC-250/500
C18-NEC	10µm	250x4.6mm	UP10NEC-250/P46
	10µm	150x10.0mm	UP10NEC-150/100
	10µm	250x10.0mm	UP10NEC-250/100
	10µm	50x21.2mm	UP10NEC-050/212
	10µm	100x21.2mm	UP10NEC-100/212
	10µm	150x21.2mm	UP10NEC-150/212
	10µm	250x21.2mm	UP10NEC-250/212
	10µm	50x30.0mm	UP10NEC-050/300
	10µm	100x30.0mm	UP10NEC-100/300
	10µm	150 30.0mm	UP10NEC-150/300
	10µm	250x30.0mm	UP10NEC-250/300
	10µm	50x50.0mm	UP10NEC-050/500
	10µm	250x50.0mm	UP10NEC-250/500
C18-NEC	15µm	250x4.6mm	UP15NEC-250/P46
	15µm	150x10.0mm	UP15NEC-150/100
	15µm	250x10.0mm	UP15NEC-250/100
	15µm	50x21.2mm	UP15NEC-050/212
	15µm	100x21.2mm	UP15NEC-100/212
	15µm	150x21.2mm	UP15NEC-150/212
	15µm	250x21.2mm	UP15NEC-250/212
	15µm	50x30.0mm	UP15NEC-050/300
	15µm	100x30.0mm	UP15NEC-100/300
	15µm	150 30.0mm	UP15NEC-150/300
	15µm	250x30.0mm	UP15NEC-250/300
	15µm	50x50.0mm	UP15NEC-050/500
	15µm	250x50.0mm	UP15NEC-250/500

C18 - Octadecyl
USP Code: L1
Ø pore: 120Å
Surface area: 320m²/g
Bonding type: Mono-fonctionnel
% carbon: 16%
End-Capping: n.c.
pH Stability: 1.5 - 6.5
Utilization mode: Reverse



Application domain

- UHPLC ○
- HPLC ●
- Prep-LC ●
- Flash ○



CN | Selectivity

Uptisphere® columns

Capacity | Productivity

Uptisphere® CN

USP Code: L10

Ø pore: 120Å

Surface area: 320m²/g

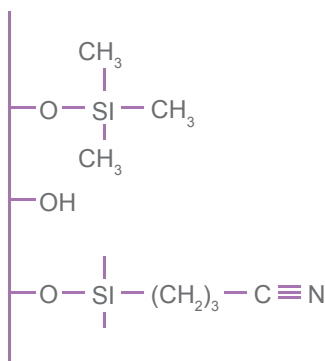
Bonding type: Mono-fonctionnal

% carbon: 8%

End-Capping: One step

pH Stability: 2.0 - 7.0

Utilization mode: Reverse / Normale



Application domain

- UHPLC ○
- HPLC ●
- Prep-LC ●
- Flash ●

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

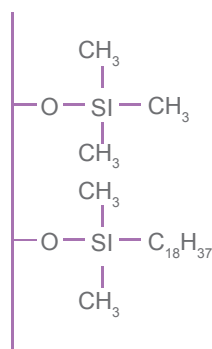
Type	Particle Size	Dimensions	P/N	
CN	5µm	250x4.6mm	UP5CN-250/P46	
	5µm	150x10.0mm	UP5CN-150/100	
	5µm	250x10.0mm	UP5CN-250/100	
	5µm	50x21.2mm	UP5CN-050/212	
	5µm	100x21.2mm	UP5CN-100/212	
	5µm	150x21.2mm	UP5CN-150/212	
	5µm	250x21.2mm	UP5CN-250/212	
	5µm	50x30.0mm	UP5CN-050/300	
	5µm	100x30.0mm	UP5CN-100/300	
	5µm	150 30.0mm	UP5CN-150/300	
	5µm	250x30.0mm	UP5CN-250/300	
	5µm	50x50.0mm	UP5CN-050/500	
	5µm	250x50.0mm	UP5CN-250/500	
	CN	10µm	250x4.6mm	UP10CN-250/P46
		10µm	150x10.0mm	UP10CN-150/100
10µm		250x10.0mm	UP10CN-250/100	
10µm		50x21.2mm	UP10CN-050/212	
10µm		100x21.2mm	UP10CN-100/212	
10µm		150x21.2mm	UP10CN-150/212	
10µm		250x21.2mm	UP10CN-250/212	
10µm		50x30.0mm	UP10CN-050/300	
10µm		100x30.0mm	UP10CN-100/300	
10µm		150 30.0mm	UP10CN-150/300	
10µm		250x30.0mm	UP10CN-250/300	
10µm		50x50.0mm	UP10CN-050/500	
10µm		250x50.0mm	UP10CN-250/500	
CN		15µm	250x4.6mm	UP15CN-250/P46
		15µm	150x10.0mm	UP15CN-150/100
	15µm	250x10.0mm	UP15CN-250/100	
	15µm	50x21.2mm	UP15CN-050/212	
	15µm	100x21.2mm	UP15CN-100/212	
	15µm	150x21.2mm	UP15CN-150/212	
	15µm	250x21.2mm	UP15CN-250/212	
	15µm	50x30.0mm	UP15CN-050/300	
	15µm	100x30.0mm	UP15CN-100/300	
	15µm	150 30.0mm	UP15CN-150/300	
	15µm	250x30.0mm	UP15CN-250/300	
	15µm	50x50.0mm	UP15CN-050/500	
	15µm	250x50.0mm	UP15CN-250/500	



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.

C18XS | Selectivity
— puriFlash® Prep columns —
Capacity | Productivity

C18 - Octadecyl
USP Code: L1
Ø pore: 100Å
Surface area: 300m²/g
Bonding type: Mono-fonctionnal
% carbon: 17%
End-Capping: multi-step
pH Stability: 1.0 - 10.0
Utilization mode: Reverse



Application domain

- UHPLC ○
- HPLC ⊙
- Prep-LC ⊙
- Flash ⊙

Type	Particle Size	Dimensions	P/N
C18-XS	5µm	250x4.6mm	PF5C18XS-250/P46
	5µm	150x10.0mm	PF5C18XS-150/100
	5µm	250x10.0mm	PF5C18XS-250/100
	5µm	50x21.2mm	PF5C18XS-050/212
	5µm	100x21.2mm	PF5C18XS-100/212
	5µm	150x21.2mm	PF5C18XS-150/212
	5µm	250x21.2mm	PF5C18XS-250/212
	5µm	50x30.0mm	PF5C18XS-050/300
	5µm	100x30.0mm	PF5C18XS-100/300
	5µm	150 30.0mm	PF5C18XS-150/300
	5µm	250x30.0mm	PF5C18XS-250/300
	5µm	50x50.0mm	PF5C18XS-050/500
	5µm	250x50.0mm	PF5C18XS-250/500
C18-XS	10µm	250x4.6mm	PF10C18XS-250/P46
	10µm	150x10.0mm	PF10C18XS-150/100
	10µm	250x10.0mm	PF10C18XS-250/100
	10µm	50x21.2mm	PF10C18XS-050/212
	10µm	100x21.2mm	PF10C18XS-100/212
	10µm	150x21.2mm	PF10C18XS-150/212
	10µm	250x21.2mm	PF10C18XS-250/212
	10µm	50x30.0mm	PF10C18XS-050/300
	10µm	100x30.0mm	PF10C18XS-100/300
	10µm	150 30.0mm	PF10C18XS-150/300
	10µm	250x30.0mm	PF10C18XS-250/300
	10µm	50x50.0mm	PF10C18XS-050/500
	10µm	250x50.0mm	PF10C18XS-250/500
C18-XS	15µm	250x4.6mm	PF15C18XS-250/P46
	15µm	150x10.0mm	PF15C18XS-150/100
	15µm	250x10.0mm	PF15C18XS-250/100
	15µm	50x21.2mm	PF15C18XS-050/212
	15µm	100x21.2mm	PF15C18XS-100/212
	15µm	150x21.2mm	PF15C18XS-150/212
	15µm	250x21.2mm	PF15C18XS-250/212
	15µm	50x30.0mm	PF15C18XS-050/300
	15µm	100x30.0mm	PF15C18XS-100/300
	15µm	150 30.0mm	PF15C18XS-150/300
	15µm	250x30.0mm	PF15C18XS-250/300
	15µm	50x50.0mm	PF15C18XS-050/500
	15µm	250x50.0mm	PF15C18XS-250/500



C18-HP | Selectivity

— puriFlash® Prep columns —

Capacity | Productivity

C18- Octadecyl

USP Code: L1

Ø pore: 100Å

Surface area: 300m²/g

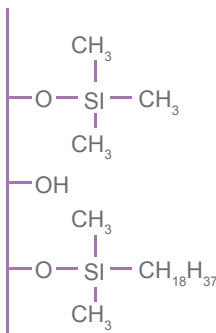
Bonding type: Mono-fonctionnal

% carbon: 16,5%

End-Capping: One step

pH Stability: 1.5 - 7.5

Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Serves many pharmaceutical applications.

Excellent choice for routine purification in reverse phase mode.

Type	Particle Size	Dimensions	P/N	
C18-HP	5µm	250x4.6mm	PF5C18HP-250/P46	
	5µm	150x10.0mm	PF5C18HP-150/100	
	5µm	250x10.0mm	PF5C18HP-250/100	
	5µm	50x21.2mm	PF5C18HP-050/212	
	5µm	100x21.2mm	PF5C18HP-100/212	
	5µm	150x21.2mm	PF5C18HP-150/212	
	5µm	250x21.2mm	PF5C18HP-250/212	
	5µm	50x30.0mm	PF5C18HP-050/300	
	5µm	100x30.0mm	PF5C18HP-100/300	
	5µm	150 30.0mm	PF5C18HP-150/300	
	5µm	250x30.0mm	PF5C18HP-250/300	
	5µm	50x50.0mm	PF5C18HP-050/500	
	5µm	250x50.0mm	PF5C18HP-250/500	
	C18-HP	10µm	250x4.6mm	PF10C18HP-250/P46
		10µm	150x10.0mm	PF10C18HP-150/100
10µm		250x10.0mm	PF10C18HP-250/100	
10µm		50x21.2mm	PF10C18HP-050/212	
10µm		100x21.2mm	PF10C18HP-100/212	
10µm		150x21.2mm	PF10C18HP-150/212	
10µm		250x21.2mm	PF10C18HP-250/212	
10µm		50x30.0mm	PF10C18HP-050/300	
10µm		100x30.0mm	PF10C18HP-100/300	
10µm		150 30.0mm	PF10C18HP-150/300	
10µm		250x30.0mm	PF10C18HP-250/300	
10µm		50x50.0mm	PF10C18HP-050/500	
10µm		250x50.0mm	PF10C18HP-250/500	
C18-HP		15µm	250x4.6mm	PF15C18HP-250/P46
		15µm	150x10.0mm	PF15C18HP-150/100
	15µm	250x10.0mm	PF15C18HP-250/100	
	15µm	50x21.2mm	PF15C18HP-050/212	
	15µm	100x21.2mm	PF15C18HP-100/212	
	15µm	150x21.2mm	PF15C18HP-150/212	
	15µm	250x21.2mm	PF15C18HP-250/212	
	15µm	50x30.0mm	PF15C18HP-050/300	
	15µm	100x30.0mm	PF15C18HP-100/300	
	15µm	150 30.0mm	PF15C18HP-150/300	
	15µm	250x30.0mm	PF15C18HP-250/300	
	15µm	50x50.0mm	PF15C18HP-050/500	
	15µm	250x50.0mm	PF15C18HP-250/500	



The bonding chemistry allow to start gradient with 100% of water.
Suitable for the purification of mid and non polar compounds.

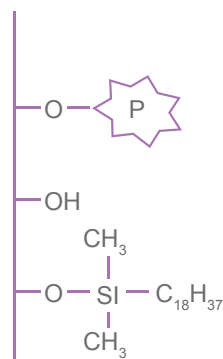
C18-AQ | Selectivity

— puriFlash® Prep columns —

Capacity | Productivity

C18- Octadecyl

USP Code: L1
Ø pore: 100Å
Surface area: 300m²/g
Bonding type: Mono-fonctionnal
% carbon: 14%
End-Capping: Mixte
pH Stability: 2.0 - 7. 5
Utilization mode: Reverse



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Type	Particle Size	Dimensions	P/N
C18-AQ	5µm	250x4.6mm	PF5C18AQ-250/P46
	5µm	150x10.0mm	PF5C18AQ-150/100
	5µm	250x10.0mm	PF5C18AQ-250/100
	5µm	50x21.2mm	PF5C18AQ-050/212
	5µm	100x21.2mm	PF5C18AQ-100/212
	5µm	150x21.2mm	PF5C18AQ-150/212
	5µm	250x21.2mm	PF5C18AQ-250/212
	5µm	50x30.0mm	PF5C18AQ-050/300
	5µm	100x30.0mm	PF5C18AQ-100/300
	5µm	150 30.0mm	PF5C18AQ-150/300
	5µm	250x30.0mm	PF5C18AQ-250/300
	5µm	50x50.0mm	PF5C18AQ-050/500
	5µm	250x50.0mm	PF5C18AQ-250/500
C18-AQ	10µm	250x4.6mm	PF10C18AQ-250/P46
	10µm	150x10.0mm	PF10C18AQ-150/100
	10µm	250x10.0mm	PF10C18AQ-250/100
	10µm	50x21.2mm	PF10C18AQ-050/212
	10µm	100x21.2mm	PF10C18AQ-100/212
	10µm	150x21.2mm	PF10C18AQ-150/212
	10µm	250x21.2mm	PF10C18AQ-250/212
	10µm	50x30.0mm	PF10C18AQ-050/300
	10µm	100x30.0mm	PF10C18AQ-100/300
	10µm	150 30.0mm	PF10C18AQ-150/300
	10µm	250x30.0mm	PF10C18AQ-250/300
10µm	50x50.0mm	PF10C18AQ-050/500	
10µm	250x50.0mm	PF10C18AQ-250/500	
C18-AQ	15µm	250x4.6mm	PF15C18AQ-250/P46
	15µm	150x10.0mm	PF15C18AQ-150/100
	15µm	250x10.0mm	PF15C18AQ-250/100
	15µm	50x21.2mm	PF15C18AQ-050/212
	15µm	100x21.2mm	PF15C18AQ-100/212
	15µm	150x21.2mm	PF15C18AQ-150/212
	15µm	250x21.2mm	PF15C18AQ-250/212
	15µm	50x30.0mm	PF15C18AQ-050/300
	15µm	100x30.0mm	PF15C18AQ-100/300
	15µm	150 30.0mm	PF15C18AQ-150/300
	15µm	250x30.0mm	PF15C18AQ-250/300
	15µm	50x50.0mm	PF15C18AQ-050/500
	15µm	250x50.0mm	PF15C18AQ-250/500



RPAQ | Selectivity

— puriFlash® Prep columns —

Capacity | Productivity

RP - Alkyl

USP Code: L7

Ø pore: 60Å

Surface area: 500m²/g

Bonding type: Mono-fonctionnal

% carbon: 6%

End-Capping: Mixte

pH Stability: 2.0 - 7.5

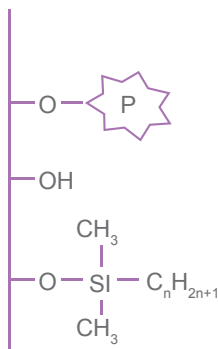
Utilization mode: Reverse

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 he beginning of the gradient.

Type	Particle Size	Dimensions	P/N
RP-AQ	15µm	250x4.6mm	PF15RPAQ-250/P46
	15µm	150x10.0mm	PF15RPAQ-150/100
	15µm	250x10.0mm	PF15RPAQ-250/100
	15µm	50x21.2mm	PF15RPAQ-050/212
	15µm	100x21.2mm	PF15RPAQ-100/212
	15µm	150x21.2mm	PF15RPAQ-150/212
	15µm	250x21.2mm	PF15RPAQ-250/212
	15µm	50x30.0mm	PF15RPAQ-050/300
	15µm	100x30.0mm	PF15RPAQ-100/300
	15µm	150 30.0mm	PF15RPAQ-150/300
	15µm	250x30.0mm	PF15RPAQ-250/300
	15µm	50x50.0mm	PF15RPAQ-050/500
	15µm	250x50.0mm	PF15RPAQ-250/500



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



The diol function provide globally a neutral surface onto the silica. It leads to greater separation of basic compounds by normal phase vs. regular silica.

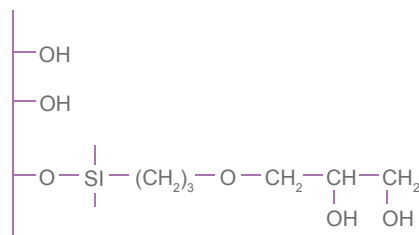
Diol | Selectivity

— puriFlash® columns —
Capacity | Productivity

Type	Particle Size	Dimensions	P/N
DIOL	6µm	250x4.6mm	PF60H-250/P46
DIOL	10µm	250x4.6mm	PF100H-250/P46
	10µm	150x10.0mm	PF100H-150/100
	10µm	250x10.0mm	PF100H-250/100
	10µm	50x21.2mm	PF100H-050/212
	10µm	100x21.2mm	PF100H-100/212
	10µm	150x21.2mm	PF100H-150/212
	10µm	250x21.2mm	PF100H-250/212
	10µm	50x30.0mm	PF100H-050/300
	10µm	100x30.0mm	PF100H-100/300
	10µm	150 30.0mm	PF100H-150/300
	10µm	250x30.0mm	PF100H-250/300
	10µm	50x50.0mm	PF100H-050/500
	10µm	250x50.0mm	PF100H-250/500
	DIOL	15µm	250x4.6mm
15µm		150x10.0mm	PF150H-150/100
15µm		250x10.0mm	PF150H-250/100
15µm		50x21.2mm	PF150H-050/212
15µm		100x21.2mm	PF150H-100/212
15µm		150x21.2mm	PF150H-150/212
15µm		250x21.2mm	PF150H-250/212
15µm		50x30.0mm	PF150H-050/300
15µm		100x30.0mm	PF150H-100/300
15µm		150 30.0mm	PF150H-150/300
15µm		250x30.0mm	PF150H-250/300
15µm		50x50.0mm	PF150H-050/500
15µm		250x50.0mm	PF150H-250/500

Diol

USP Code: L20
Ø pore: 60Å
Surface area: 500m²/g
Bonding type: Mono-fonctionnal
% carbon: n.c.
End-Capping: n.c.
pH Stability: 1.5 - 6.5
Utilization mode: Nomal



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



SIHP

Selectivity

— puriFlash® Prep columns —

Capacity

Productivity

Silice HP grade

USP Code: L3

Ø pore: 60Å

Surface area: 500m²/g

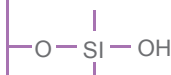
Bonding type: n.c.

% carbon: n.c.

End-Capping: n.c.

pH Stability: 1.5 - 6.5

Utilization mode: Normale



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Non-ionic, polar organic compounds.

Type	Particle Size	Dimensions	P/N
SIHP	5µm	250x4.6mm	PF5SIHP-250/P46
	5µm	150x10.0mm	PF5SIHP-150/100
	5µm	250x10.0mm	PF5SIHP-250/100
	5µm	50x21.2mm	PF5SIHP-050/212
	5µm	100x21.2mm	PF5SIHP-100/212
	5µm	150x21.2mm	PF5SIHP-150/212
	5µm	250x21.2mm	PF5SIHP-250/212
	5µm	50x30.0mm	PF5SIHP-050/300
	5µm	100x30.0mm	PF5SIHP-100/300
	5µm	150 30.0mm	PF5SIHP-150/300
	5µm	250x30.0mm	PF5SIHP-250/300
	5µm	50x50.0mm	PF5SIHP-050/500
	5µm	250x50.0mm	PF5SIHP-250/500
	SIHP	10µm	250x4.6mm
10µm		150x10.0mm	PF10SIHP-150/100
10µm		250x10.0mm	PF10SIHP-250/100
10µm		50x21.2mm	PF10SIHP-050/212
10µm		100x21.2mm	PF10SIHP-100/212
10µm		150x21.2mm	PF10SIHP-150/212
10µm		250x21.2mm	PF10SIHP-250/212
10µm		50x30.0mm	PF10SIHP-050/300
10µm		100x30.0mm	PF10SIHP-100/300
10µm		150 30.0mm	PF10SIHP-150/300
10µm		250x30.0mm	PF10SIHP-250/300
10µm		50x50.0mm	PF10SIHP-050/500
10µm		250x50.0mm	PF10SIHP-250/500
SIHP		15µm	250x4.6mm
	15µm	150x10.0mm	PF15SIHP-150/100
	15µm	250x10.0mm	PF15SIHP-250/100
	15µm	50x21.2mm	PF15SIHP-050/212
	15µm	100x21.2mm	PF15SIHP-100/212
	15µm	150x21.2mm	PF15SIHP-150/212
	15µm	250x21.2mm	PF15SIHP-250/212
	15µm	50x30.0mm	PF15SIHP-050/300
	15µm	100x30.0mm	PF15SIHP-100/300
	15µm	150 30.0mm	PF15SIHP-150/300
	15µm	250x30.0mm	PF15SIHP-250/300
	15µm	50x50.0mm	PF15SIHP-050/500
	15µm	250x50.0mm	PF15SIHP-250/500



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

NH₂

Selectivity

— puriFlash® Prep columns —

Capacity

Productivity

NH₂ - Amino

USP Code: L8

Ø pore: 100Å

Surface area: 300m²/g

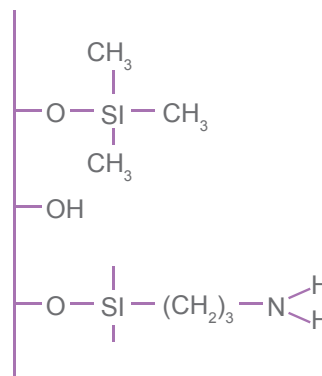
Bonding type: Mono-fonctionnal

% carbon: 4%

End-Capping: One step

pH Stability: 2,0 - 6,5

Utilization mode: Reverse, normale, Ionic Exchange



Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Type	Particle Size	Dimensions	P/N
NH2	5µm	250x4.6mm	PF5NH2-250/P46
	5µm	150x10.0mm	PF5NH2-150/100
	5µm	250x10.0mm	PF5NH2-250/100
	5µm	50x21.2mm	PF5NH2-050/212
	5µm	100x21.2mm	PF5NH2-100/212
	5µm	150x21.2mm	PF5NH2-150/212
	5µm	250x21.2mm	PF5NH2-250/212
	5µm	50x30.0mm	PF5NH2-050/300
	5µm	100x30.0mm	PF5NH2-100/300
	5µm	150 30.0mm	PF5NH2-150/300
	5µm	250x30.0mm	PF5NH2-250/300
	5µm	50x50.0mm	PF5NH2-050/500
	5µm	250x50.0mm	PF5NH2-250/500
NH2	10µm	250x4.6mm	PF10NH2-250/P46
	10µm	150x10.0mm	PF10NH2-150/100
	10µm	250x10.0mm	PF10NH2-250/100
	10µm	50x21.2mm	PF10NH2-050/212
	10µm	100x21.2mm	PF10NH2-100/212
	10µm	150x21.2mm	PF10NH2-150/212
	10µm	250x21.2mm	PF10NH2-250/212
	10µm	50x30.0mm	PF10NH2-050/300
	10µm	100x30.0mm	PF10NH2-100/300
	10µm	150 30.0mm	PF10NH2-150/300
	10µm	250x30.0mm	PF10NH2-250/300
	10µm	50x50.0mm	PF10NH2-050/500
	10µm	250x50.0mm	PF10NH2-250/500
NH2	15µm	250x4.6mm	PF15NH2-250/P46
	15µm	150x10.0mm	PF15NH2-150/100
	15µm	250x10.0mm	PF15NH2-250/100
	15µm	50x21.2mm	PF15NH2-050/212
	15µm	100x21.2mm	PF15NH2-100/212
	15µm	150x21.2mm	PF15NH2-150/212
	15µm	250x21.2mm	PF15NH2-250/212
	15µm	50x30.0mm	PF15NH2-050/300
	15µm	100x30.0mm	PF15NH2-100/300
	15µm	150 30.0mm	PF15NH2-150/300
	15µm	250x30.0mm	PF15NH2-250/300
	15µm	50x50.0mm	PF15NH2-050/500
	15µm	250x50.0mm	PF15NH2-250/500



OD2

Selectivity

Uptisphere® X-Serie

Capacity

Productivity

C18 - Octadecyl

USP Code: L1

Ø pore: 130Å

Surface area: 300m²/g

Bonding type: Polyfonctionnal type II

% carbon: 20%

End-Capping: Multi-step

pH Stability: 1 - 13

Utilization mode: Reverse

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Bio-purification

BioDrugs with low molecular weight.

Type	Particle Size	Dimensions	P/N	
OD2	5µm	250x4.6mm	UX50D2-250/P46	
	5µm	150x10.0mm	UX50D2-150/100	
	5µm	250x10.0mm	UX50D2-250/100	
	5µm	50x21.2mm	UX50D2-050/212	
	5µm	100x21.2mm	UX50D2-100/212	
	5µm	150x21.2mm	UX50D2-150/212	
	5µm	250x21.2mm	UX50D2-250/212	
	5µm	50x30.0mm	UX50D2-050/300	
	5µm	100x30.0mm	UX50D2-100/300	
	5µm	150 30.0mm	UX50D2-150/300	
	5µm	250x30.0mm	UX50D2-250/300	
	5µm	50x50.0mm	UX50D2-050/500	
	5µm	250x50.0mm	UX50D2-250/500	
	OD2	15µm	250x4.6mm	UX150D2-250/P46
		15µm	150x10.0mm	UX150D2-150/100
15µm		250x10.0mm	UX150D2-250/100	
15µm		50x21.2mm	UX150D2-050/212	
15µm		100x21.2mm	UX150D2-100/212	
15µm		150x21.2mm	UX150D2-150/212	
15µm		250x21.2mm	UX150D2-250/212	
15µm		50x30.0mm	UX150D2-050/300	
15µm		100x30.0mm	UX150D2-100/300	
15µm		150 30.0mm	UX150D2-150/300	
15µm		250x30.0mm	UX150D2-250/300	
15µm		50x50.0mm	UX150D2-050/500	
15µm		250x50.0mm	UX150D2-250/500	



Bio-purification

BioDrugs & Peptides with low & medium molecular weight.

C18

Selectivity

Uptisphere® X-Series

Capacity

Productivity

C18 - Octadecyl

USP Code: L1
 Ø pore: 220Å
 Surface area: 200m²/g
 Bonding type: Polyfonctionnal type II
 % carbon: 14 %
 End-Capping: Multi-step
 pH Stability: 1 - 13
 Utilization mode: Reverse

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Type	Particle Size	Dimensions	P/N
C18	5µm	250x4.6mm	UX5C18-250/P46
	5µm	150x10.0mm	UX5C18-150/100
	5µm	250x10.0mm	UX5C18-250/100
	5µm	50x21.2mm	UX5C18-050/212
	5µm	100x21.2mm	UX5C18-100/212
	5µm	150x21.2mm	UX5C18-150/212
	5µm	250x21.2mm	UX5C18-250/212
	5µm	50x30.0mm	UX5C18-050/300
	5µm	100x30.0mm	UX5C18-100/300
	5µm	150 30.0mm	UX5C18-150/300
	5µm	250x30.0mm	UX5C18-250/300
	5µm	50x50.0mm	UX5C18-050/500
	5µm	250x50.0mm	UX5C18-250/500
	C18	15µm	250x4.6mm
15µm		150x10.0mm	UX15C18-150/100
15µm		250x10.0mm	UX15C18-250/100
15µm		50x21.2mm	UX15C18-050/212
15µm		100x21.2mm	UX15C18-100/212
15µm		150x21.2mm	UX15C18-150/212
15µm		250x21.2mm	UX15C18-250/212
15µm		50x30.0mm	UX15C18-050/300
15µm		100x30.0mm	UX15C18-100/300
15µm		150 30.0mm	UX15C18-150/300
15µm		250x30.0mm	UX15C18-250/300
15µm		50x50.0mm	UX15C18-050/500
15µm		250x50.0mm	UX15C18-250/500



C18AQ | Selectivity

Uptisphere® X-Serie

Capacity | Productivity

C18 - Octadecyl

USP Code: L1

Ø pore: 220Å

Surface area: 200m²/g

Bonding type: Polyfonctionnal type II

% carbon: 14%

End-Capping: Mixte

pH Stability: 1 - 10

Utilization mode: Reverse

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Bio-purification

Mid-polar BioDrugs & Peptides with medium molecular weight. 100% water compatible.

Type	Particle Size	Dimensions	P/N	
C18-AQ	5µm	250x4.6mm	UX5AQ-250/P46	
	5µm	150x10.0mm	UX5AQ-150/100	
	5µm	250x10.0mm	UX5AQ-250/100	
	5µm	50x21.2mm	UX5AQ-050/212	
	5µm	100x21.2mm	UX5AQ-100/212	
	5µm	150x21.2mm	UX5AQ-150/212	
	5µm	250x21.2mm	UX5AQ-250/212	
	5µm	50x30.0mm	UX5AQ-050/300	
	5µm	100x30.0mm	UX5AQ-100/300	
	5µm	150 30.0mm	UX5AQ-150/300	
	5µm	250x30.0mm	UX5AQ-250/300	
	5µm	50x50.0mm	UX5AQ-050/500	
	5µm	250x50.0mm	UX5AQ-250/500	
	C18-AQ	15µm	250x4.6mm	UX15AQ-250/P46
		15µm	150x10.0mm	UX15AQ-150/100
15µm		250x10.0mm	UX15AQ-250/100	
15µm		50x21.2mm	UX15AQ-050/212	
15µm		100x21.2mm	UX15AQ-100/212	
15µm		150x21.2mm	UX15AQ-150/212	
15µm		250x21.2mm	UX15AQ-250/212	
15µm		50x30.0mm	UX15AQ-050/300	
15µm		100x30.0mm	UX15AQ-100/300	
15µm		150 30.0mm	UX15AQ-150/300	
15µm		250x30.0mm	UX15AQ-250/300	
15µm		50x50.0mm	UX15AQ-050/500	
15µm		250x50.0mm	UX15AQ-250/500	



Bio-purification

BioDrugs & Peptides with medium molecular weight.

C8

Selectivity

Uptisphere® X-Series

Capacity

Productivity

Type	Particle Size	Dimensions	P/N
C8	5µm	250x4.6mm	UX5C8-250/P46
	5µm	150x10.0mm	UX5C8-150/100
	5µm	250x10.0mm	UX5C8-250/100
	5µm	50x21.2mm	UX5C8-050/212
	5µm	100x21.2mm	UX5C8-100/212
	5µm	150x21.2mm	UX5C8-150/212
	5µm	250x21.2mm	UX5C8-250/212
	5µm	50x30.0mm	UX5C8-050/300
	5µm	100x30.0mm	UX5C8-100/300
	5µm	150 30.0mm	UX5C8-150/300
	5µm	250x30.0mm	UX5C8-250/300
	5µm	50x50.0mm	UX5C8-050/500
	5µm	250x50.0mm	UX5C8-250/500
C8	10µm	250x4.6mm	UX10C8-250/P46
	10µm	150x10.0mm	UX10C8-150/100
	10µm	250x10.0mm	UX10C8-250/100
	10µm	50x21.2mm	UX10C8-050/212
	10µm	100x21.2mm	UX10C8-100/212
	10µm	150x21.2mm	UX10C8-150/212
	10µm	250x21.2mm	UX10C8-250/212
	10µm	50x30.0mm	UX10C8-050/300
	10µm	100x30.0mm	UX10C8-100/300
	10µm	150 30.0mm	UX10C8-150/300
	10µm	250x30.0mm	UX10C8-250/300
	10µm	50x50.0mm	UX10C8-050/500
	10µm	250x50.0mm	UX10C8-250/500
C8	15µm	250x4.6mm	UX15C8-250/P46
	15µm	150x10.0mm	UX15C8-150/100
	15µm	250x10.0mm	UX15C8-250/100
	15µm	50x21.2mm	UX15C8-050/212
	15µm	100x21.2mm	UX15C8-100/212
	15µm	150x21.2mm	UX15C8-150/212
	15µm	250x21.2mm	UX15C8-250/212
	15µm	50x30.0mm	UX15C8-050/300
	15µm	100x30.0mm	UX15C8-100/300
	15µm	150 30.0mm	UX15C8-150/300
	15µm	250x30.0mm	UX15C8-250/300
	15µm	50x50.0mm	UX15C8-050/500
	15µm	250x50.0mm	UX15C8-250/500

C8 - Octyl

USP Code: L7
 Ø pore: 220Å
 Surface area: 200m²/g
 Bonding type: Polyfunctional type II
 % carbon: 8%
 End-Capping: Multi step
 pH Stability: 1 - 13
 Utilization mode: Reverse

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



C4

Selectivity

Uptisphere® X-Serie

Capacity | Productivity

C4 - Butyl

USP Code: L26

Ø pore: 220Å

Surface area: 200m²/g

Bonding type: Polyfunctional type II

% carbon: 6%

End-Capping: Multi-step

pH Stability: 1 - 13

Utilization mode: Reverse

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

Bio-purification

BioDrugs & Peptides with high molecular weight.

Type	Particle Size	Dimensions	P/N	
C4	5µm	250x4.6mm	UX5C4-250/P46	
	5µm	150x10.0mm	UX5C4-150/100	
	5µm	250x10.0mm	UX5C4-250/100	
	5µm	50x21.2mm	UX5C4-050/212	
	5µm	100x21.2mm	UX5C4-100/212	
	5µm	150x21.2mm	UX5C4-150/212	
	5µm	250x21.2mm	UX5C4-250/212	
	5µm	50x30.0mm	UX5C4-050/300	
	5µm	100x30.0mm	UX5C4-100/300	
	5µm	150 30.0mm	UX5C4-150/300	
	5µm	250x30.0mm	UX5C4-250/300	
	5µm	50x50.0mm	UX5C4-050/500	
	5µm	250x50.0mm	UX5C4-250/500	
	C4	15µm	250x4.6mm	UX15C4-250/P46
		15µm	150x10.0mm	UX15C4-150/100
15µm		250x10.0mm	UX15C4-250/100	
15µm		50x21.2mm	UX15C4-050/212	
15µm		100x21.2mm	UX15C4-100/212	
15µm		150x21.2mm	UX15C4-150/212	
15µm		250x21.2mm	UX15C4-250/212	
15µm		50x30.0mm	UX15C4-050/300	
15µm		100x30.0mm	UX15C4-100/300	
15µm		150 30.0mm	UX15C4-150/300	
15µm		250x30.0mm	UX15C4-250/300	
15µm		50x50.0mm	UX15C4-050/500	
15µm		250x50.0mm	UX15C4-250/500	



Bio-purification

Weakly hydrophobic peptides & oligopeptides up to 50 kD.

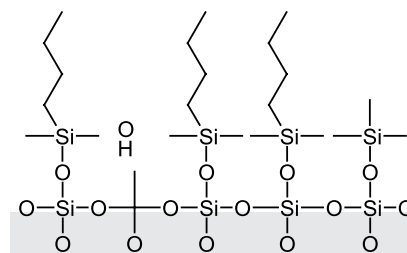
WOD | Selectivity
Uptisphere® 300Å
Capacity | Productivity

Type	Particle Size	Dimensions	P/N
WOD	5µm	250x4.6mm	UP5WOD-250/P46
	5µm	150x10.0mm	UP5WOD-150/100
	5µm	250x10.0mm	UP5WOD-250/100
	5µm	50x21.2mm	UP5WOD-050/212
	5µm	100x21.2mm	UP5WOD-100/212
	5µm	150x21.2mm	UP5WOD-150/212
	5µm	250x21.2mm	UP5WOD-250/212
	5µm	50x30.0mm	UP5WOD-050/300
	5µm	100x30.0mm	UP5WOD-100/300
	5µm	150 30.0mm	UP5WOD-150/300
	5µm	250x30.0mm	UP5WOD-250/300
	5µm	50x50.0mm	UP5WOD-050/500
	5µm	250x50.0mm	UP5WOD-250/500

WOD	15µm	250x4.6mm	UP15WOD-250/P46
	15µm	150x10.0mm	UP15WOD-150/100
	15µm	250x10.0mm	UP15WOD-250/100
	15µm	50x21.2mm	UP15WOD-050/212
	15µm	100x21.2mm	UP15WOD-100/212
	15µm	150x21.2mm	UP15WOD-150/212
	15µm	250x21.2mm	UP15WOD-250/212
	15µm	50x30.0mm	UP15WOD-050/300
	15µm	100x30.0mm	UP15WOD-100/300
	15µm	150 30.0mm	UP15WOD-150/300
	15µm	250x30.0mm	UP15WOD-250/300
	15µm	50x50.0mm	UP15WOD-050/500
	15µm	250x50.0mm	UP15WOD-250/500

C18 - Octadecyl

USP Code: L1
Ø pore: 300Å
Surface area: 100m²/g
Bonding type: Mono-funcional
% carbon: 10%
End-Capping: One-step
pH Stability: 2 - 7,5
Utilization mode: Reverse



mono functional bonding

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



WC4

Selectivity

Uptisphere® 300Å

Capacity

Productivity

C4 - Butyl

USP Code: L26

Ø pore: 300Å

Surface area: 100m²/g

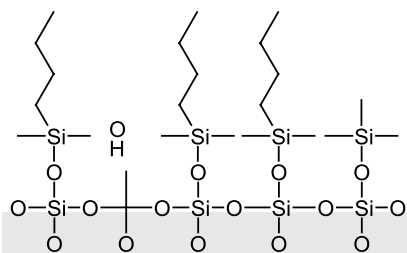
Bonding type: Mono-fonctionnal

% carbon: 4 %

End-Capping: One-step

pH Stability: 2 - 7

Utilization mode: Reverse



mono functional bonding

Bio-purification

Hydrophobic proteinines & polypeptides, 50 up to 150 kD.

Type	Particle Size	Dimensions	P/N
WC4	5µm	250x4.6mm	UP5WC4-250/P46
	5µm	150x10.0mm	UP5WC4-150/100
	5µm	250x10.0mm	UP5WC4-250/100
	5µm	50x21.2mm	UP5WC4-050/212
	5µm	100x21.2mm	UP5WC4-100/212
	5µm	150x21.2mm	UP5WC4-150/212
	5µm	250x21.2mm	UP5WC4-250/212
	5µm	50x30.0mm	UP5WC4-050/300
	5µm	100x30.0mm	UP5WC4-100/300
	5µm	150 30.0mm	UP5WC4-150/300
	5µm	250x30.0mm	UP5WC4-250/300
	5µm	50x50.0mm	UP5WC4-050/500
	5µm	250x50.0mm	UP5WC4-250/500

WC4	15µm	250x4.6mm	UP15WC4-250/P46
	15µm	150x10.0mm	UP15WC4-150/100
	15µm	250x10.0mm	UP15WC4-250/100
	15µm	50x21.2mm	UP15WC4-050/212
	15µm	100x21.2mm	UP15WC4-100/212
	15µm	150x21.2mm	UP15WC4-150/212
	15µm	250x21.2mm	UP15WC4-250/212
	15µm	50x30.0mm	UP15WC4-050/300
	15µm	100x30.0mm	UP15WC4-100/300
	15µm	150 30.0mm	UP15WC4-150/300
	15µm	250x30.0mm	UP15WC4-250/300
	15µm	50x50.0mm	UP15WC4-050/500
	15µm	250x50.0mm	UP15WC4-250/500

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



Bio-purification

Highly Hydrophobic proteins & polypeptides, 50 up to 150 kD.

WD4

Selectivity

Uptisphere® 300Å

Capacity

Productivity

C4 - Butyl

USP Code: L26

Ø pore: 300Å

Surface area: 100m²/g

Bonding type: Tri-functional

% carbon: 3%

End-Capping: One-step

pH Stability: 1.5 - 8

Utilization mode: Reverse

Type	Particle Size	Dimensions	P/N
WD4	5µm	250x4.6mm	UP5WD4-250/P46
	5µm	150x10.0mm	UP5WD4-150/100
	5µm	250x10.0mm	UP5WD4-250/100
	5µm	50x21.2mm	UP5WD4-050/212
	5µm	100x21.2mm	UP5WD4-100/212
	5µm	150x21.2mm	UP5WD4-150/212
	5µm	250x21.2mm	UP5WD4-250/212
	5µm	50x30.0mm	UP5WD4-050/300
	5µm	100x30.0mm	UP5WD4-100/300
	5µm	150 30.0mm	UP5WD4-150/300
	5µm	250x30.0mm	UP5WD4-250/300
	5µm	50x50.0mm	UP5WD4-050/500
	5µm	250x50.0mm	UP5WD4-250/500
WD4	15µm	250x4.6mm	UP15WD4-250/P46
	15µm	150x10.0mm	UP15WD4-150/100
	15µm	250x10.0mm	UP15WD4-250/100
	15µm	50x21.2mm	UP15WD4-050/212
	15µm	100x21.2mm	UP15WD4-100/212
	15µm	150x21.2mm	UP15WD4-150/212
	15µm	250x21.2mm	UP15WD4-250/212
	15µm	50x30.0mm	UP15WD4-050/300
	15µm	100x30.0mm	UP15WD4-100/300
	15µm	150 30.0mm	UP15WD4-150/300
	15µm	250x30.0mm	UP15WD4-250/300
	15µm	50x50.0mm	UP15WD4-050/500
	15µm	250x50.0mm	UP15WD4-250/500

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



WT4

Selectivity

Uptisphere® 300Å

Capacity

Productivity

C4 - Butyl

USP Code: L26

Ø pore: 300Å

Surface area: 100m²/g

Bonding type: Tri-functional

% carbon: 3%

End-Capping: One-step

pH Stability: 1.5 - 8

Utilization mode: Reverse

Bio-purification

Highly Hydrophobic proteins & polypeptides, over 100 kD.

Type	Particle Size	Dimensions	P/N
WT4	5µm	250x4.6mm	UP5WT4-250/P46
	5µm	150x10.0mm	UP5WT4-150/100
	5µm	250x10.0mm	UP5WT4-250/100
	5µm	50x21.2mm	UP5WT4-050/212
	5µm	100x21.2mm	UP5WT4-100/212
	5µm	150x21.2mm	UP5WT4-150/212
	5µm	250x21.2mm	UP5WT4-250/212
	5µm	50x30.0mm	UP5WT4-050/300
	5µm	100x30.0mm	UP5WT4-100/300
	5µm	150 30.0mm	UP5WT4-150/300
	5µm	250x30.0mm	UP5WT4-250/300
	5µm	50x50.0mm	UP5WT4-050/500
	5µm	250x50.0mm	UP5WT4-250/500
	WT4	15µm	250x4.6mm
15µm		150x10.0mm	UP15WT4-150/100
15µm		250x10.0mm	UP15WT4-250/100
15µm		50x21.2mm	UP15WT4-050/212
15µm		100x21.2mm	UP15WT4-100/212
15µm		150x21.2mm	UP15WT4-150/212
15µm		250x21.2mm	UP15WT4-250/212
15µm		50x30.0mm	UP15WT4-050/300
15µm		100x30.0mm	UP15WT4-100/300
15µm		150 30.0mm	UP15WT4-150/300
15µm		250x30.0mm	UP15WT4-250/300
15µm		50x50.0mm	UP15WT4-050/500
15µm		250x50.0mm	UP15WT4-250/500

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



Bio-purification

For Peptides < 4-5 kDa.

TP18 | Selectivity

Uptisphere® TP

Capacity | Productivity

Type	Particle Size	Dimensions	P/N
TP18	5µm	250x4.6mm	UP5TP18-250/P46
	5µm	150x10.0mm	UP5TP18-150/100
	5µm	250x10.0mm	UP5TP18-250/100
	5µm	50x21.2mm	UP5TP18-050/212
	5µm	100x21.2mm	UP5TP18-100/212
	5µm	150x21.2mm	UP5TP18-150/212
	5µm	250x21.2mm	UP5TP18-250/212
	5µm	50x30.0mm	UP5TP18-050/300
	5µm	100x30.0mm	UP5TP18-100/300
	5µm	150 30.0mm	UP5TP18-150/300
	5µm	250x30.0mm	UP5TP18-250/300
	5µm	50x50.0mm	UP5TP18-050/500
	5µm	250x50.0mm	UP5TP18-250/500
TP18	10µm	250x4.6mm	UP10TP18-250/P46
	10µm	150x10.0mm	UP10TP18-150/100
	10µm	250x10.0mm	UP10TP18-250/100
	10µm	50x21.2mm	UP10TP18-050/212
	10µm	100x21.2mm	UP10TP18-100/212
	10µm	150x21.2mm	UP10TP18-150/212
	10µm	250x21.2mm	UP10TP18-250/212
	10µm	50x30.0mm	UP10TP18-050/300
	10µm	100x30.0mm	UP10TP18-100/300
	10µm	150 30.0mm	UP10TP18-150/300
	10µm	250x30.0mm	UP10TP18-250/300
	10µm	50x50.0mm	UP10TP18-050/500
	10µm	250x50.0mm	UP10TP18-250/500
TP18	15µm	250x4.6mm	UP15TP18-250/P46
	15µm	150x10.0mm	UP15TP18-150/100
	15µm	250x10.0mm	UP15TP18-250/100
	15µm	50x21.2mm	UP15TP18-050/212
	15µm	100x21.2mm	UP15TP18-100/212
	15µm	150x21.2mm	UP15TP18-150/212
	15µm	250x21.2mm	UP15TP18-250/212
	15µm	50x30.0mm	UP15TP18-050/300
	15µm	100x30.0mm	UP15TP18-100/300
	15µm	150 30.0mm	UP15TP18-150/300
	15µm	250x30.0mm	UP15TP18-250/300
	15µm	50x50.0mm	UP15TP18-050/500
	15µm	250x50.0mm	UP15TP18-250/500

C18 - Octadecyl

USP Code: L26
 Ø pore: 300Å
 Surface area: 100m²/g
 Bonding type: Tri-functional
 % carbon: 8%
 End-Capping: One-step
 pH Stability: 1.5 - 8
 Utilization mode: Reverse phase

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



TP14

Selectivity

Uptisphere® TP

Capacity

Productivity

C4 - Butyl

USP Code: L26

Ø pore: 300Å

Surface area: 100 m²/g

Bonding type: Poly-functional

% carbon: 3%

End-Capping: One step

pH Stability: 1,5 - 8

Utilization mode: Reverse phase

Bio-purification

For polypeptides > 4-5 kDa up to 60 kDa.

Type	Particle Size	Dimensions	P/N	
TP14	5µm	250x4.6mm	UP5TP14-250/P46	
	5µm	150x10.0mm	UP5TP14-150/100	
	5µm	250x10.0mm	UP5TP14-250/100	
	5µm	50x21.2mm	UP5TP14-050/212	
	5µm	100x21.2mm	UP5TP14-100/212	
	5µm	150x21.2mm	UP5TP14-150/212	
	5µm	250x21.2mm	UP5TP14-250/212	
	5µm	50x30.0mm	UP5TP14-050/300	
	5µm	100x30.0mm	UP5TP14-100/300	
	5µm	150 30.0mm	UP5TP14-150/300	
	5µm	250x30.0mm	UP5TP14-250/300	
	5µm	50x50.0mm	UP5TP14-050/500	
	5µm	250x50.0mm	UP5TP14-250/500	
	TP14	10µm	250x4.6mm	UP10TP14-250/P46
		10µm	150x10.0mm	UP10TP14-150/100
10µm		250x10.0mm	UP10TP14-250/100	
10µm		50x21.2mm	UP10TP14-050/212	
10µm		100x21.2mm	UP10TP14-100/212	
10µm		150x21.2mm	UP10TP14-150/212	
10µm		250x21.2mm	UP10TP14-250/212	
10µm		50x30.0mm	UP10TP14-050/300	
10µm		100x30.0mm	UP10TP14-100/300	
10µm		150 30.0mm	UP10TP14-150/300	
10µm		250x30.0mm	UP10TP14-250/300	
10µm		50x50.0mm	UP10TP14-050/500	
10µm		250x50.0mm	UP10TP14-250/500	
TP14		15µm	250x4.6mm	UP15TP14-250/P46
		15µm	150x10.0mm	UP15TP14-150/100
	15µm	250x10.0mm	UP15TP14-250/100	
	15µm	50x21.2mm	UP15TP14-050/212	
	15µm	100x21.2mm	UP15TP14-100/212	
	15µm	150x21.2mm	UP15TP14-150/212	
	15µm	250x21.2mm	UP15TP14-250/212	
	15µm	50x30.0mm	UP15TP14-050/300	
	15µm	100x30.0mm	UP15TP14-100/300	
	15µm	150 30.0mm	UP15TP14-150/300	
	15µm	250x30.0mm	UP15TP14-250/300	
	15µm	50x50.0mm	UP15TP14-050/500	
	15µm	250x50.0mm	UP15TP14-250/500	

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash



Bio-purification

For Peptides < 4-5 kDa.

MS18 | Selectivity

Uptisphere® TP

Capacity | Productivity

C18 - Octadecyl

USP Code: L26
 Ø pore: 300Å
 Surface area: 100m²/g
 Bonding type: Poly-functional
 % carbon: 8%
 End-Capping: One-step
 pH Stability: 1.5 - 8
 Utilization mode: Reverse

Type	Particle Size	Dimensions	P/N
MS18	5µm	250x4.6mm	UP5MS18-250/P46
	5µm	150x10.0mm	UP5MS18-150/100
	5µm	250x10.0mm	UP5MS18-250/100
	5µm	50x21.2mm	UP5MS18-050/212
	5µm	100x21.2mm	UP5MS18-100/212
	5µm	150x21.2mm	UP5MS18-150/212
	5µm	250x21.2mm	UP5MS18-250/212
	5µm	50x30.0mm	UP5MS18-050/300
	5µm	100x30.0mm	UP5MS18-100/300
	5µm	150 30.0mm	UP5MS18-150/300
	5µm	250x30.0mm	UP5MS18-250/300
	5µm	50x50.0mm	UP5MS18-050/500
	5µm	250x50.0mm	UP5MS18-250/500
MS18	10µm	250x4.6mm	UP10MS18-250/P46
	10µm	150x10.0mm	UP10MS18-150/100
	10µm	250x10.0mm	UP10MS18-250/100
	10µm	50x21.2mm	UP10MS18-050/212
	10µm	100x21.2mm	UP10MS18-100/212
	10µm	150x21.2mm	UP10MS18-150/212
	10µm	250x21.2mm	UP10MS18-250/212
	10µm	50x30.0mm	UP10MS18-050/300
	10µm	100x30.0mm	UP10MS18-100/300
	10µm	150 30.0mm	UP10MS18-150/300
	10µm	250x30.0mm	UP10MS18-250/300
	10µm	50x50.0mm	UP10MS18-050/500
	10µm	250x50.0mm	UP10MS18-250/500
MS18	15µm	250x4.6mm	UP15MS18-250/P46
	15µm	150x10.0mm	UP15MS18-150/100
	15µm	250x10.0mm	UP15MS18-250/100
	15µm	50x21.2mm	UP15MS18-050/212
	15µm	100x21.2mm	UP15MS18-100/212
	15µm	150x21.2mm	UP15MS18-150/212
	15µm	250x21.2mm	UP15MS18-250/212
	15µm	50x30.0mm	UP15MS18-050/300
	15µm	100x30.0mm	UP15MS18-100/300
	15µm	150 30.0mm	UP15MS18-150/300
	15µm	250x30.0mm	UP15MS18-250/300
	15µm	50x50.0mm	UP15MS18-050/500
	15µm	250x50.0mm	UP15MS18-250/500

Application domain

- UHPLC ○
- HPLC ●
- Prep-LC ●
- Flash ○



MS14

Selectivity

Uptisphere® TP

Capacity

Productivity

C4 - Butyl

USP Code: L26

Ø pore: 300Å

Surface area: 100m²/g

Bonding type: Poly-functional

% carbon: 3%

End-Capping: One-step

pH Stability: 1.5 - 8

Utilization mode: Reverse phase

Bio-purification

For polypeptides > 4-5 kDa up to 60 kDa.

Type	Particle Size	Dimensions	P/N	
MS14	5µm	250x4.6mm	UP5MS14-250/P46	
	5µm	150x10.0mm	UP5MS14-150/100	
	5µm	250x10.0mm	UP5MS14-250/100	
	5µm	50x21.2mm	UP5MS14-050/212	
	5µm	100x21.2mm	UP5MS14-100/212	
	5µm	150x21.2mm	UP5MS14-150/212	
	5µm	250x21.2mm	UP5MS14-250/212	
	5µm	50x30.0mm	UP5MS14-050/300	
	5µm	100x30.0mm	UP5MS14-100/300	
	5µm	150 30.0mm	UP5MS14-150/300	
	5µm	250x30.0mm	UP5MS14-250/300	
	5µm	50x50.0mm	UP5MS14-050/500	
	5µm	250x50.0mm	UP5MS14-250/500	
	MS14	10µm	250x4.6mm	UP10MS14-250/P46
		10µm	150x10.0mm	UP10MS14-150/100
10µm		250x10.0mm	UP10MS14-250/100	
10µm		50x21.2mm	UP10MS14-050/212	
10µm		100x21.2mm	UP10MS14-100/212	
10µm		150x21.2mm	UP10MS14-150/212	
10µm		250x21.2mm	UP10MS14-250/212	
10µm		50x30.0mm	UP10MS14-050/300	
10µm		100x30.0mm	UP10MS14-100/300	
10µm		150 30.0mm	UP10MS14-150/300	
10µm		250x30.0mm	UP10MS14-250/300	
10µm		50x50.0mm	UP10MS14-050/500	
10µm		250x50.0mm	UP10MS14-250/500	
MS14		15µm	250x4.6mm	UP15MS14-250/P46
		15µm	150x10.0mm	UP15MS14-150/100
	15µm	250x10.0mm	UP15MS14-250/100	
	15µm	50x21.2mm	UP15MS14-050/212	
	15µm	100x21.2mm	UP15MS14-100/212	
	15µm	150x21.2mm	UP15MS14-150/212	
	15µm	250x21.2mm	UP15MS14-250/212	
	15µm	50x30.0mm	UP15MS14-050/300	
	15µm	100x30.0mm	UP15MS14-100/300	
	15µm	150 30.0mm	UP15MS14-150/300	
	15µm	250x30.0mm	UP15MS14-250/300	
	15µm	50x50.0mm	UP15MS14-050/500	
	15µm	250x50.0mm	UP15MS14-250/500	

Application domain

- UHPLC
- HPLC
- Prep-LC
- Flash

TERMS & CONDITIONS

APPLICABLE FROM 2017/01/01

1 - GENERAL RULES

Interchim sells exclusively to the trade and does not accept orders from private individuals. These Terms and Conditions are issued to all new customers with their first orders. These General Conditions of Sale are deemed as being accepted by the customer for the first and all subsequent orders unless objections are raised within 7 calendar days. Unless agreed otherwise in writing, the placing of an order by the customer implies the automatic and formal acceptance of these General Conditions of Sale.

No variation of these terms and conditions found on purchase orders, letters, acknowledgement of orders or other documents issued by the customer will unless agreed to in writing by Interchim.

Any clause departing from or adding to these terms and conditions of sale will be binding upon the customer unless the latter formally questions the changes (in writing).

2 - PURCHASE ORDERS

Customers can place their orders in writing, by fax, e-mail or telephone (Hotline: Analytical sciences +33(0)4 70 03 73 09 - Life sciences +33(0)4 70 03 73 06 - Interfine chemicals +33(0)4 70 03 73 01). Telephone orders will only be accepted if the customer's order number is given, and these must then be confirmed in writing. Interchim is entitled to refuse a sale should the customer, the final recipient, the intermediaries, and/or the haulage contractors fail to abide by the legislation and/or regulations, applicable in France or in the country of purchase and/or sale.

3 - PRICING

Due to fluctuations in manufacturers' pricing and exchange rates, all prices are indicative and subject to changes without prior notice.

Export shipments cost are upon weight and size of the parcels. Prices are excluding of tax.

They are EX WORKS Montluçon.

The minimum order is 100 euros before tax.

Interchim will charge an extra fee of 15 euros for any orders < 150 euros before tax.

Interchim will charge 36 euros before tax for Dry Ice.

Specific packaging for dangerous items will be charged at 8 euros before tax.

An additional 22 euros may be charged for bank fees for export orders

A line of invoicing overloads with fuel will be applied in repercussion of the overloads fuels charged by the carrier.

Some shipments will be invoiced specifically according to the quotation remitted to the client (bulk, heavy or dangerous material, export, etc.). These items will be shipped using via the best possible method chosen by Interchim according to the nature of the shipment and safety regulations.

Orders concern other specific services or any other products not listed in Interchim's price list will be invoiced according to the quote given. The offer is valid 60 days from the acknowledgement of receipt of the order.

4 - PAYMENT

Unless written approval of Interchim financial services:

- Terms of sale for supplies, consumable parts, accessories, are cash.
- The settlement of instruments and devices: a deposit of 30% excluding tax will be payable in advance and the balance before shipment.

The customer's first order must be paid in advance, without discount. No discount is granted for early payment.

In case of partial shipments, corresponding invoices must be paid in full without waiting for the balance of the order. Payment time limits start as soon as part of the order has been received. The customer can however refuse any kind of partial shipment.

No complaints about the invoice will be accepted beyond the first 15 days of the date of invoice.

Any amount not paid by the customer within the due date mentioned on the invoice will entail the immediate settlement of the other amounts due, whether they be drafts or bills of exchange.

If a customer has, for a previous order, failed to respect the terms of sales (i.e. no payment, or payment overdue), Interchim can refuse

to sell, unless the buyer provides a satisfactory guarantees and/or pays cash, for which no discount will apply.

A fixed compensation of 40 euros for recovery costs will be perceived for non-compliance with payment deadlines.

Late payment penalties: As per article L441-6 of the French Code of Commerce, penalties are due as of the day following the due date of the invoice. These penalties are due without any notice being required. The interest rate for these penalties is three times the legal rate of interest per month.

5 - PACKING SHIPMENT AND DAMAGE IN TRANSIT

Unless stated otherwise, the goods are packed by Interchim, and Interchim will alone choose the means of packing according to the goods, the type of transportation and storage. Products in stock are shipped immediately upon receipt of the order. Interchim cannot be held liable for late delivery.

The buyer shall bear all risk of loss or damage in transit.

The buyer must inspect the goods immediately upon receiving them and if needs be contact the carrier within 48 hours by registered letter with acknowledgement of receipt, for any shortage, defects or damage.

6 - DELIVERIES

Delivery times are given for information only and are not guaranteed. Any delays in delivery shall not give the Customer the right to cancel the sale or to refuse the goods. Delays do not give any right to withholdings, offset, penalties or damages.

7 - RETURN POLICY

Goods may not be returned for credit without Interchim's approval. Any returned items must be wrapped in their original packaging without changes to the original marking (including labels). The customer is civilly and criminally liable in the event of the returned product being altered by chemical or biochemical or biological or any other materials or for any other alteration which could endanger any third party or any member of Interchim's staff.

Unless Interchim is responsible for the error in shipment, all freight and carriage costs must be paid by the customer.

Interchim will charge 20% of the amount of the product for restocking with a minimum amount of 45 euros. (These charges include: non-recoverable paid Customs duty, bank charges, return costs to the original supplier and their own restocking costs).

8 - OWNERSHIP CLAUSE

Interchim expressly reserves the ownership of the products it delivers until the sale price and any interest, costs, accessories are paid. In this respect, any drafts, cheques or any other instruments bearing an obligation to pay, shall not be considered as payment within the meaning of the above condition. Payment will only be considered as settled once Interchim has received the actual invoiced amount. In case of non-payment of any due amount, Interchim may claim return of the products. In the event of the unpaid products being resold, the customer agrees to transfer to Interchim, upon request by the latter, the accounts receivable from its customers, up to the amount still due to Interchim.

9 - RESOLUTIVE CLAUSE

Should a customer fail to comply entirely or partially with any of its obligations, should it fail to respect the due date for payments, Interchim may, as it wishes, decide to accelerate the payment process and consequently require immediate payment of all outstanding amounts owed for whatever reason and/or decide to suspend any deliveries and/or terminate any agreements in progress.

The cancellation of agreements will require no legal proceedings and will take effect at the end of the first 8 days after the customer has received notice to pay by registered mail with acknowledgement of receipt. This notice will mention the intention to apply the present clause without prejudice to any other rights of Interchim.

In the event of the invoking of this resolutive clause, Interchim or its representative is expressly entitled to enter the customer's premises to reclaim the products relating to the clause.

10 - GOVERNING LAW

These terms and conditions of sale as well as any agreements made in application are governed by the laws of France and excluding the Vienna Agreement of 11 April 1980 related to contracts for the international sale of merchandise.

All disputes as to the interpretation, the application of the terms and conditions of sale and any agreements signed with a customer shall be subject to the exclusive jurisdiction of the Commercial Court of Montluçon.

11 - CASE OF ABSOLUTE NECESSITY

Interchim's responsibility will not be involved, should a case of absolute necessity arise. The enforcement of the obligation will be delayed until the case of absolute necessity is cancelled. If the absolute necessity instance continues for longer than 2 months, the agreement can be interrupted on request by one or the other of the two parties without any compensation to any party.

12 - RISKS IN USE OF PRODUCTS

With the exception of pharmaceutical products sold to the Pharmaceutical Industry, all of our products are solely intended for research purposes and must not, in any case, be used as medicine, cosmetics, pesticides, nor for farming uses, food additives nor as cleaning agents.

They must be handled by competent persons with the usual care, in accordance with the information given.

13 - DANGEROUS AND TOXIC PRODUCTS

Information on stabilities or toxicities is given by our producers subject to their own liability, including in case of false toxicity characteristics or classes. The absence of a warning must not be considered as a proof of safety; we would remind you that for many chemical, biological or biochemical substances there is no appropriate information available about possible risks. Consequently, it is the customer's duty to check the level of hazard and to carry out all necessary investigations to determine the hazards arising through the use of the products bought from Interchim. Dangerous products are not listed as such in the catalogue. The customer is wholly responsible for checking the nature of the risk inherent in the dangerous goods. It is also the customer's duty to inform its own customers and intermediaries (carriers, forwarders, packers) of the risks inherent in the use and/or handling of the products.

14 - WARRANTIES

The warranty only applies to the repair or replacement of those products that have a latent defect or a compliance defect, excluding any other compensation for whatever reason. The warranty does not apply to the defects, to the failures or to the damage due to a misuse, carelessness or a defective maintenance as in case of normal wear and tear of the good or in case of strength major. The product must be returned to Interchim or the carrier in its original condition in its original packaging. The customer must comply with Interchim's instructions for product returns; as per Article 7.

15 - ENVIRONNEMENT

An Ecotax will be applied in accordance with the Directives of the DEEE, in accordance with the applicable laws relating to electrical and electronic equipment marketed after 13 August 2005. The organisation, collection and destruction of the products remain the responsibility of the final user. Interchim will pay the tax collected to the relevant approved recycling organisations.

16 - CHANGES TO THE GENERAL TERMS OF SALES

Interchim reserves the right to change these General Conditions of Sale at any time and any such changes shall be applicable to all orders placed after the date of the modification, including for orders supplementary to or associated with previous orders.



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