

Enjoy a unique experience
puriFlash[®] 360°
LC Purification Platform

Interchim[®], already more than 50 years at your service

Interchim SAS is a company with subsidiaries on 5 continents and its own distribution network. Founded in 1970, the company has many years of experience and knowledge in the field of synthesis, the life sciences, as well as chromatography, separation, purification, identification and characterisation.

As far back as 1990, as pioneers in the market, we introduced one of the first spherical silicon dioxides with small granulometry, which revolutionised the analytical and preparative liquid chromatography.

Following our great success in the early 2000s, we developed the concept of "Ultra Performance Flash Purification", becoming the first company to produce cartridges for Flash Chromatography on the basis of spherical silicon dioxide and small granulometry to obtain even more powerful separations, even greater loading capacity, even better recoveries and even more unparalleled reproducibility.

In 2008, we took an even more important step forward with the development and manufacture of instruments with which the flash cartridges and preparative columns could be used even more efficiently. These innovative instruments can reach a flow rate of up to 300 mL/min and pressure of up to 400 bar, offering incredible accuracy and reproducibility. We incorporate these instruments into integrated solutions for multi-detection systems (Mass, ELSD, UV-dad, IR ...) as well as in systems for increasing productivity in laboratories (CarouXel) - control of 10 columns, AutoSampler, 5X, ...). Their success is worldwide and they are available from our subsidiaries or our dealers.

In 2018, we have been surpassing ourselves by using the (patent protected) artificial intelligence "Genius" in our instruments. Since reading the TLC plate, it has never been easier and more intuitive to achieve the best possible separations in flash and prep and to transfer methods of the analytical LC to the preparative and increase the productivity without reservation.

With our selection of puriFlash[®] instruments, our Artificial Intelligence "Genius"[™], our Flash Chromatography Interchim[®] puriFlash[®] cartridges as well as our analytical and preparative HPLC columns Interchim[®] Uptisphere[®] puriFlash[®], the Flash chromatography and preparative purification, are accessible to all who want to achieve expert results.

For more information, visit www.interchim.com and www.flash-chromatography.com.

Contact us

You need advice to choose the best product suitable to your needs?

Our scientific experts are here to share both their knowledge and expertise and advise you.

Please feel free [contact us](#).

Live Demo



Our team are also pleased to present and demonstrate our products to you in live.

Let's arrange a personal appointment!

How to place your orders

Always attentive to your different needs, Interchim[®] offer four solutions to quickly and easily order your products.

By Phone:

+33 4 70 03 88 55

Chemicals Hotline: +33 4 70 03 73 01

By Email:

interchim@interchim.com
flashpurification@interchim.fr

By Mail:

INTERCHIM
211 bis Avenue J.F Kennedy - BP 1140
03103 Montluçon cedex - France

Online:

www.interchim.com
www.flash-chromatography.com

“Interchim and Advion led the market by being the first to develop integrated Flash-MS and seamlessly coupling Advion's high performance [expression[®]](#) Compact Mass Spectrometer with Interchim's puriFlash[®] purification systems.”



Get a LC purification platform as unique as your work! Customize it and make yours the puriFlash® 360° now



interchim® x **Advion**

Key features:

- . Simplicity: Powerful features but easy to use
- . Concentrated of technologies in a minimum of space that improve the Chemists sphere of use
- . Easy Accessibility of multi-profile users with a minimum of training thanks to InterSoft®X software.

Low to high pressure LC purification of small & large molecules with 3X detection UV, ELSD & MS

The puriFlash® 360° LC Purification Platform combines Simplicity & Best-in-Class design to make Chemists purifications by liquid chromatography easier, intuitive & productive. No matter what is your own expertise level, the platform piloted by InterSoft®X, with Genius our embedded artificial intelligence, allows routine to sophisticated RP purification of small organics, natural products, peptides & proteins. You can stay focused on your job with the necessary peace of mind while having the certainty to get the best purification as possible. There is no risk of product loss thanks to the full monitoring of the system through sensors, the management of overpressures and pauses. The platform runs 24/7 with Confidence for a minimum of After Sales Service required. Small, but Mighty the puriFlash® XS 520 Plus with its specification able to run 300 ml/min @ up to 20 bar is the ideal entry system for routine NP purification of small organics. The puriFlash® 5.250, with up to 250 bar, as for it, offers a second dimension to enlarge the separation potential to isolate safely high value compounds.

[Discover it in video](#)

Ultra Performance Flash Purification



up to
800G

300
mL/min

20
bar

puriFlash® XS 520Plus

Small but mighty

Concentrated technology for unmatched performance.

Designed for routine flash purifications, the technology and unique quality of the pump will take you much further. Increase the pressure, the puriFlash® XS 520Plus will nevertheless offer precision, linearity and repeatability and allows you to perform complex and sophisticated purifications.

No matter whether you're an expert or not, Genius will support you to achieve the best purification possible.

Small Organic molecules	★★★★★
Impurities Identification	★★★★☆
Natural Products	★★★★★
Peptides, Oligonucleotides	★★★★★
Proteins, Bio-drugs	★★★★★
Metabolites Isolation	★★★★★
Traces Enrichment	★★★★★



Get more information or configure yours now

P/N: PFXS50



Ultra High Performance Purification



Accuracy
& Repeatability

up to
80mm i.d.
Col.

250
mL/min

250
bar

puriFlash® 5.250

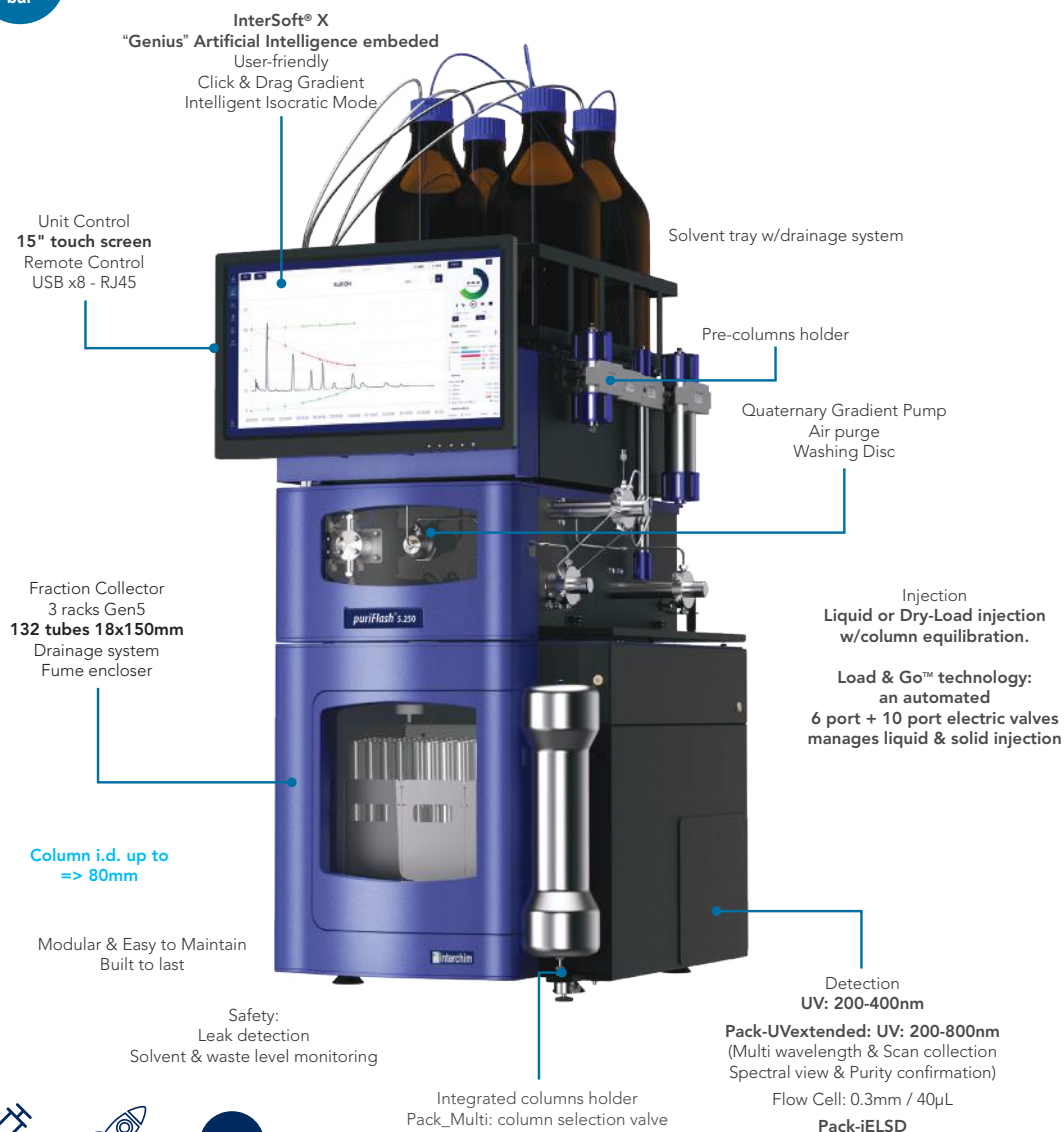
Small but limitless

Maximum Versatility and Flexibility.

The system brings a unique performance in all circumstances. It adapts to all needs from routine purification to complex mixtures, impurity separation, or trace enrichment.

It is continuously ready to start multiple purifications in normal or reverse phase, flash or prep.

Small Organic molecules	★★★★★
Impurities Identification	★★★★★
Natural Products	★★★★★
Peptides, Oligonucleotides	★★★★☆
Proteins, Bio-drugs	★★★☆☆
Metabolites Isolation	★★★★★
Traces Enrichment	★★★★★



Flash
& Go



Load
& Go

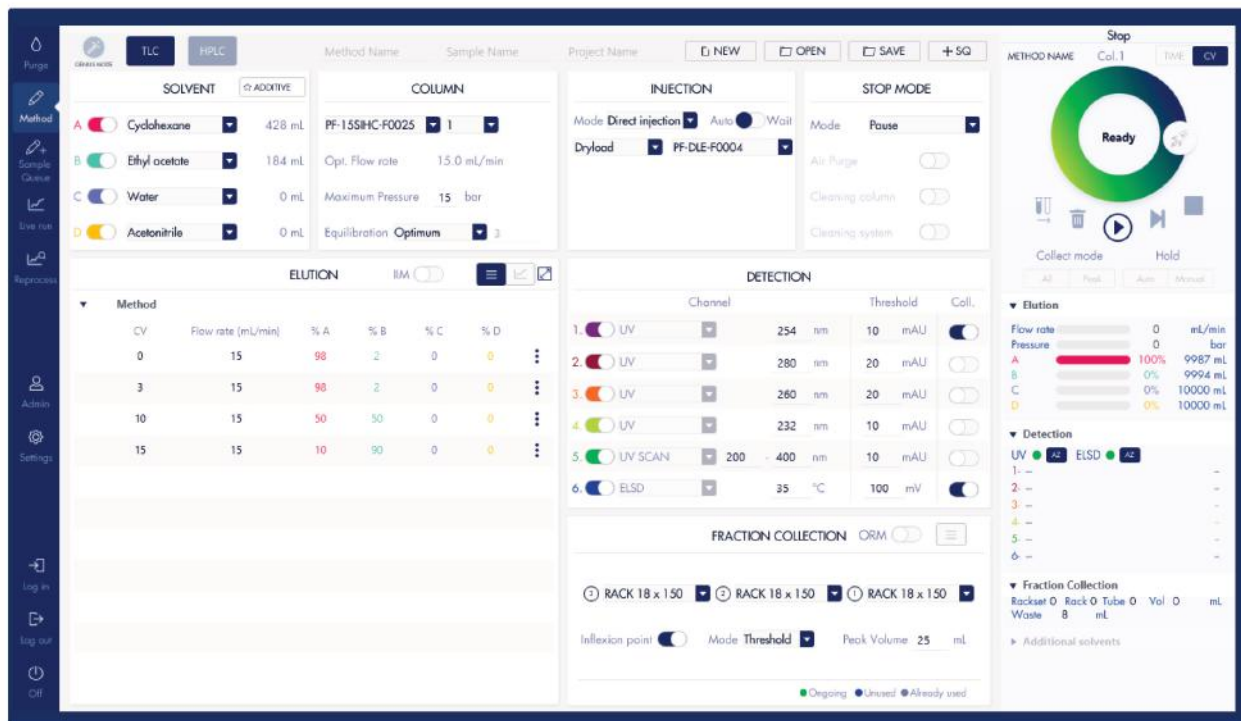


Boost



Get more information or configure yours now

Intersoft® X



- . Accessibility of multi-profile users with minimum training
- . Best-in-class design that makes the chemist's life easier.
- . Challenge Genius, your Personal Artificial Intelligence, to develop the purification method, or do it yourself
- . "Push the boundaries" with the intuitive Flash&Go, Load&Go and Boost&Go technologies

Genius

Whatever your sample, from any of NP-TLC, NP-LC, NP-LC screening, RP-LC, RP-LC screening experiments, Genius, your Personal Artificial Intelligence embedded in InterSoft® X, generates the best possible purification method in current knowledge. Safely run the method and get your products pure!

Discover more about our technologies on our dedicated website

Keeps Intelligence Simple, Smart



Flash&Go:

Flash your TLC plate using our mobile app., send the data automatically to InterSoft® X "Genius". You are set to run the purification.



Load&Go

Load your sample liquid or solid through multi-way electrical valve. InterSoft® X "Genius" will manage column equilibration for you, sample manage column equilibration for you, sample loading and system cleaning.

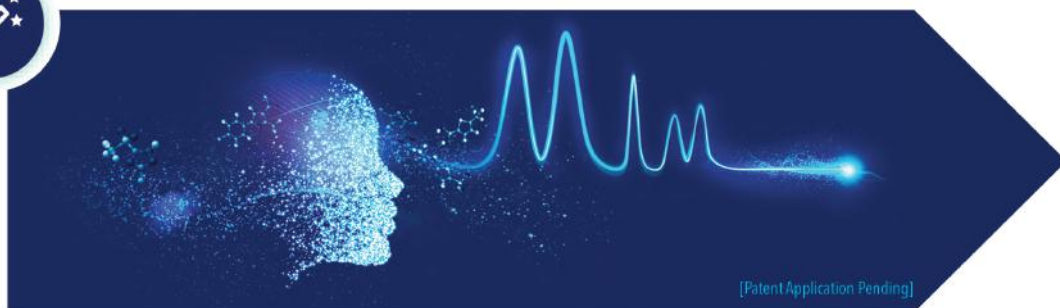


Boost&Go

Intelligent management of the flow rate increase to safely speed up the purification.



Flash & Prep columns, dry-loads, racks, loops identification & data implementation into Genius.





« TLC to Flash & Prep Chromatography »

Revolutionize your TLC using our App

Augmented reality for a greatly improved daily routine.

In our capacity as experts for purification, we aim to offer maximum working comfort as well as the highest efficiency in your laboratory.

Thanks to the app that we have developed, we can share your future vision by constantly providing new technology solutions. It takes a digital form here, virtual but already real on the screen of your mobile or tablet.

A unique technology that slides through your fingers with one single click.

Our idea is to support you and to save you time day by day. Therefore our App allows for:

- Our goal is to support you and to save you time day by day. Therefore, our app allows for:
- Automatic detection of your compounds and calculation of your R_f and $\Delta CV (= \Delta K)$ values
- Direct (and secure) information transfer to puriFlash® and the "Genius" software, which suggests the best method for a successful purification
- Data archiving, if desired.



Flash & Go: « New TLC »

The application is extremely intuitively and user-friendly:



Take a picture of the TLC with your smartphone or download it from your library.



Your compounds will be detected automatically. Select the ones of interest with a tap.



The application calculates R_f and $\Delta CV (= \Delta K)$. It indicates if the R_f are placed in the comfort zone to carry out your purification.



From the smallest ΔCV obtained on your TLC plate, the application gives you the level of difficulty of the separation.



Indicate the solvents, their proportions and your comments in the dedicated areas.



Save your TLC plate information. Send them to the email address of your choice or directly to your puriFlash® by bluetooth or wifi: the "Genius" software will recommend the best method for a successful purification.



« MYTLC » for the retention of data

All information of your previous TLC plates are archived in a single location. In case you would like to reuse the parameters of the plate for a new separation, simply send them to any puriFlash® with a single click.



« SETTINGS » to personalize your experience

Connect your smartphone and Tablet with your puriFlash® via bluetooth or Wifi.
Configure your application according to your preferences.
Quickly and directly access our internet sites.

You need a tablet or smartphone to benefit from our application in your laboratory?

Nothing more simple: Select your choice from the accessories offered for all our purification systems in the configurator.

Download the app now by clicking here



“TLC to Flash & Prep Chromatography” is a free application. Our wish was to enable everybody to use it freely. You can even use it if you do not possess a puriFlash® purification system. Nevertheless, your experience as an user may be reduced since our systems are equipped with a unique technology that allows for data exchange only within these systems. Therefore you cannot equally benefit from the “Genius” proposals with regard to the best methods for your purification. However, it is never too late to opt for excellence and discover our purification systems.

Peripheral detection & production devices

puriVap-6™

Compact Evaporator Simple & Smart - 6 positions

- 6 channels to run up to 6 samples (independent or simultaneous)
- Sample volumes from 2mL up to 60mL
- PID temperature control with digital display up to 100°C
- Temperature increases quickly in the first minutes (up to 4°C/min)
- Dedicated nitrogen flow regulator control for each sample
- Nitrogen blow in combination of heating concentration mode
- Possibility to choose the best position of nitrogen needle to ensure the most efficient evaporation



Nitrogen blow in combination of heating concentration mode
Possibility to choose the best position of nitrogen needle to ensure the most efficient evaporation

Possibility to run up to **6 samples**
Parallel concentration model

Dry aluminium block heating mode to avoid potential water vapor interference
Small temperature difference between channels (RSD: 0.11%)

Anti-corrosive material (PTFE)

PID temperature control with digital display
Up to 100°C
Temperature increases quickly in the first minutes (up to 4°C/min)

6 channels
(independent or simultaneous)
Dedicated nitrogen flow regulator control for each sample

"Open view" to control sample volume level during the evaporation process

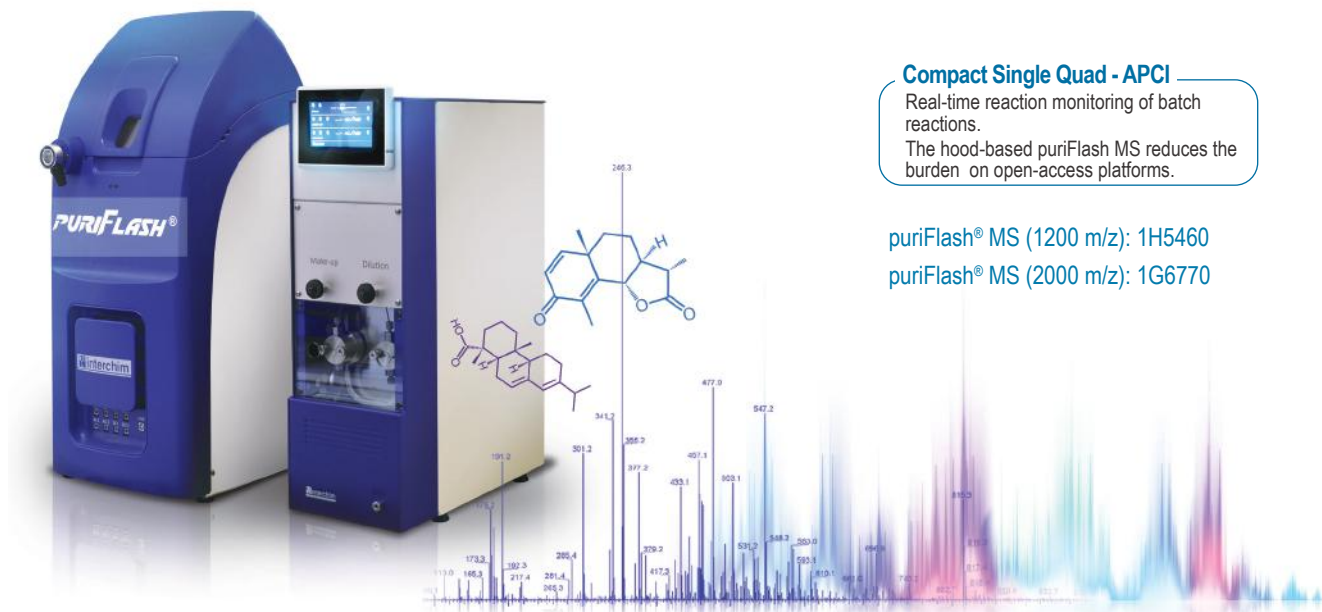
Get more information or configure yours now

puriFlash® MS

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

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)



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 (1200 m/z): 1H5460

puriFlash® MS (2000 m/z): 1G6770

	puriFlash® MS for small molecule, synthetic organic chemists. Upgraded specs for pos/neg switching, faster scanning & higher flow rate	puriFlash® MS-HMW for large molecules - peptide synthesis, polymer chemistry & natural products
Sources :	APCI - (ESI option)	APCI or ESI
Patented API:	orthogonal ion sampling from heated capillary allows for small single turbo pump.	orthogonal ion sampling from heated capillary allows for small single turbo pump.
Positive/Negative Ionization	Simultaneous Analysis	Simultaneous Analysis
Flow rate range ESI	10µL/min - 1mL/min	10µL/min - 1mL/min
Flow rate range APCI	10µL/min - 2mL/min	10µL/min - 2mL/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 5µl injection à 100µl/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

Get more information or configure yours now

Advion

The industry's widest range of sample introduction techniques

expression

CMS



plate express

Thin-layer chromatography (TLC) is a routine, reliable method used in most chemistry laboratories, but traditional visualization techniques give no structural information on the TLC

spots. Mass Spectrometry is a powerful technique for identifying spots, but traditional, manual steps involving scraping spots from the plate, extraction in suitable solvents and finally reconstitution in solvent appropriate for injection into the mass spectrometer (MS), make obtaining spectra difficult and time consuming. The Plate Express is a device that provides a simple, automated means of obtaining mass spectra directly from TLC plates.

With the Advion Plate Express you can:

- Identify spots in <1 minute
- Avoid the risk of overloading the mass spectrometer
- TLC spots contain the ideal amount of sample for mass spectrometry
- Simplify the process of obtaining spectra
- Ideal for multi-user labs
- Software controlled - spectra obtained within a few mouse clicks
- No scraping TLC spots

Discover the plate express in video

ASAP Atmospheric Solids Analysis Probe

The direct atmospheric solids analysis probe, otherwise known as ASAP, permits chemists fast and reliable sample analysis of liquid and solid samples such as reaction mixtures, food samples, natural products and tablets.

The Advion ASAP probe offers:

- No sample preparation
- No chromatography
- Fast and affordable sample analysis
- Solvent-free APCI
- Green practices without the need to buy and dispose of solvent
- Ionizes a wider range of compounds

iASAP Inert ASAP Probe

The inert ASAP (iASAP) is a modification of the ASAP technique, allowing easy sampling of air-sensitive compounds, such as metal catalysts and organometallics, from reactions that are carried out in a glove box or Schlenk line to prevent oxidation.





OPSI Open Port Sampling Interface

The Touch Express Open Port Sampling Interface (OPSI), is designed for simple sampling of solids, liquids and sample preparation tips and fibers. Any soluble sample touching the port is analyzed by the mass spectrometer in mere seconds.

The OPSI source is a unique, prep-free sample technique that offers:

- Compound ID and impurity detection from almost any surface
- Direct assays from sample preparation tips and SPME fibers
- Easy screening applications for drug research, food safety, environmental, forensics
- Large molecule applications including proteins, peptides, oligonucleotides and polymers

Discover the OPSI in video



vAPCI Volatile APCI Source

vAPCI combined with the expression CMS is a fast and easy method to quickly and confidently analyze compounds in air, breath, headspace and other gas samples without the need for additional sample preparation. vAPCI provides a sample inlet linked by a heated transfer line to the APCI ion source of the CMS, where the sample is ionized by chemical reaction by a corona discharge.

vAPCI enables chemists to:

- Analyze samples directly in the gas phase
- Solvent-free APCI allows a greater range of compounds to be ionized compared to traditional APCI ion sources.



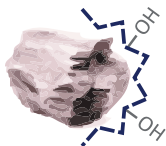
Direct Injection & FIA Flow Injection Analysis

Simple, direct injection valve offers users the ability to quickly and easily analyze reaction mixtures by direct injection/flow injection analysis. Both the APCI and ESI sources can receive samples for flow injection analysis.

Columns & Dry-Load

The Essential Stationary Phases for Purification

Normal Phase



puriFlash® IR-SI

60Å - 450m²/g
20 & 40/63µm
pH stability: 1.5 to 6.5
Economical



puriFlash® SI-HP

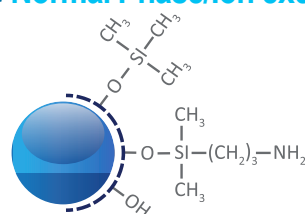
60Å - 500m²/g
5, 10, 15, 30 & 50µm
pH stability: 1.5 to 6.5
High efficiency



puriFlash® SI-HC

60Å - 680m²/g
15, 25 & 50µm
pH stability: 1.5 to 6.5
Greater loading capacity & productivity
Low back pressure

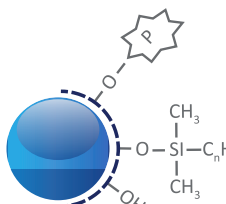
Normal Phase/Ion exchange



puriFlash® NH2

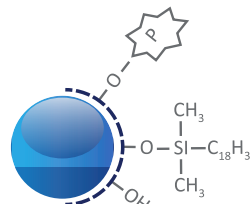
100Å - 300m²/g
5, 10, 15, 30 & 50 µm
Amino
%C: 4
End-capping: One-step
pH stability: 2 to 6.5
Can be both a weak anion exchanger for strong acids or a polar phase that can interact with the OH, NH, SH... functions.

Reverse



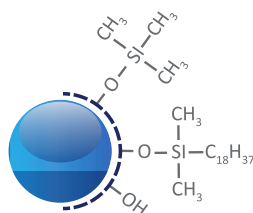
puriFlash® RP-AQ

60Å - 500m²/g
15 & 30µm
RP-alkyl
%C: 6
End-capping: Mixte
pH stability: 2.0 to 7.5
The bonding chemistry makes it possible to start the gradient at a 100% water. Suitable for the separation and purification of strongly and moderately polar molecules. Compared to a C18, the peaks are eluted earlier from the beginning of the gradient.



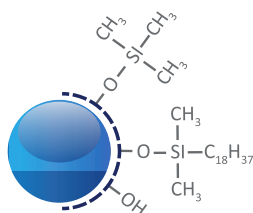
puriFlash® C18-AQ

100Å - 300m²/g
5, 10, 15 & 30µm
C18 Mono-functional
%C: 14
End-capping: Mixte
pH stability: 2.0 to 7.5
The bonding chemistry makes it possible to start the gradient at a 100% water. Suitable for the separation and purification of moderately polar and non-polar molecules.



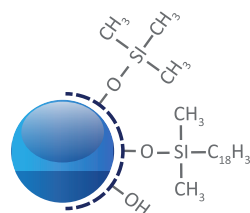
puriFlash® C18-HP

100Å - 300m²/g
5, 10, 15, 30 & 50µm
C18 Mono-functional
%C: 16,5
End-capping: One-step
pH stability: 1.5 to 7.5
Suitable for multiple pharmaceutical applications.
This is an excellent choice for routine reverse phase purifications.



Uptisphere® Strategy™ C18-HQ

100Å - 425m²/g
1.7, 2.2, 3, 5, 10, 15µm
C18 Mono-functional
%C: 19
End-capping: Multi-step
pH stability: 1.0 to 10.0
Suitable for many pharmaceutical applications and routine methods.
Its specific surface area of 425m²/g gives it a high loading capacity.



puriFlash® C18-XS

100Å - 300m²/g
5, 10, 15 & 30µm
C18 Mono-functional
%C: 17
End-capping: Multi-step
pH stability: 1 to 10.0
The proprietary end-capping multi-step technology ensures stability under high pH conditions, up to 10. It is an excellent phase for the complete separation of basic molecules.

Find all the references available in our main catalog "ULTRA PERFORMANCE"

Spherical silica and irregular silica: what differences? Read our article

puriFlash® Dry-Load

Solid Sample

Dry injection



Allow to large sample amounts

High pressure dry-load



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

Compared to liquid injection, the solid deposit avoids the diffusion of raw sample in the purification column. It improves resolution, efficiency and purity of the products collected.

The solid deposit can be made with silica, C18 or Celite. Unlike open cartridges, it does not require the use of a piston or specific adapters.

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

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

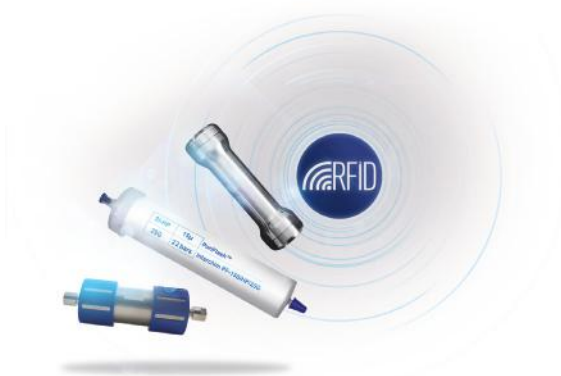
- Compatible with all purification systems

puriFlash® Dry-Load

Nature	Type	Format	P/N	Qty
puriFlash® Dry-Load	Empty	F0004	PF-DLE-F0004	20u
		F0012	PF-DLE-F0012	20u
		F0025	PF-DLE-F0025	20u
		F0040	PF-DLE-F0040	20u
		F0060	PF-DLE-F0060	10u
		F0080	PF-DLE-F0080	5u
		F0100	PF-DLE-F0100	5u
		F0120	PF-DLE-F0120	5u
		F0220	PF-DLE-F0220	5u
		F0330	PF-DLE-F0330	5u
puriFlash® Dry-Load - Tightening tool			JV0470	1u
puriFlash® Dry-Load	SILICA HC 80%	F0004	PF-DLSIHC08-F0004	20u
		F0012	PF-DLSIHC08-F0012	20u
		F0025	PF-DLSIHC08-F0025	20u
		F0040	PF-DLSIHC08-F0040	20u
puriFlash® Dry-Load	SILICA HC 50%	F0004	PF-DLSIHC05-F0004	20u
		F0012	PF-DLSIHC05-F0012	20u
		F0025	PF-DLSIHC05-F0025	20u
		F0040	PF-DLSIHC05-F0040	20u
puriFlash® Dry-Load	CELITE 80%	F0004	PF-DLCET08-F0004	20u
		F0012	PF-DLCET08-F0012	20u
		F0025	PF-DLCET08-F0025	20u
		F0040	PF-DLCET08-F0040	20u
puriFlash® Dry-Load	C18 STD 80%	F0004	PF-DLIRC1808-F0004	5u
		F0012	PF-DLIRC1808-F0012	5u
		F0025	PF-DLIRC1808-F0025	5u
		F0040	PF-DLIRC1808-F0040	5u
puriFlash® Dry-Load	C18 STD 50%	F0004	PF-DLIRC1805-F0004	5u
		F0012	PF-DLIRC1805-F0012	5u
		F0025	PF-DLIRC1805-F0025	5u
		F0040	PF-DLIRC1805-F0040	5u

High-Pressure Dry-Load

Nature	Type	Size	P/N	Qty
puriFlash® HP Dry-Load	Empty	50 x 21.2mm	OA0320	1u
		75 x 21.2mm	OA0330	1u
		100 x 21.2mm	7A1870	1u
		50 x 30mm	OA0340	1u
		75 x 30mm	OA0350	1u
		100 x 30mm	7A1880	1u
puriFlash® Dry-Load - Tightening tool				
Spanner wrench for 21.2mm ID			7A1590	1u
Spanner wrench for 30mm ID			7A1610	1u
Replacement frit				
Replacement frit for 21.2mm ID			0A2100	1u
Replacement frit for 30mm ID			0A2110	1u



Find all the Dry-Load available online here

How to make a solid deposit? Watch our tutorial

Interchim puriFlash® Columns

Interchim® offers more than 35 selectivities for the purification of small & bio-molecules.

Key features:

- . Our Ultra Pure Spherical Silica combined with our chemistry establishes optimized sample recovery and makes easier transfer from analytical to purification.
- . Interchim® Genius allows an easy transfer from any TLC or analytical data from any columns to “ready-to-go” and safe
- . Gradient Purification Method
- . RFID Traceability

Selectivity / Purity → Capacity → Productivity



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
Flowrate - Typical (mL/min)	2.5	5	15	15	26	34	46	127	127	216	383
Flowrate - 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

Find all the references and their specifications available in our main catalog « ULTRA PERFORMANCE FLASH PURIFICATION »

Interchim® LC Preparative Columns

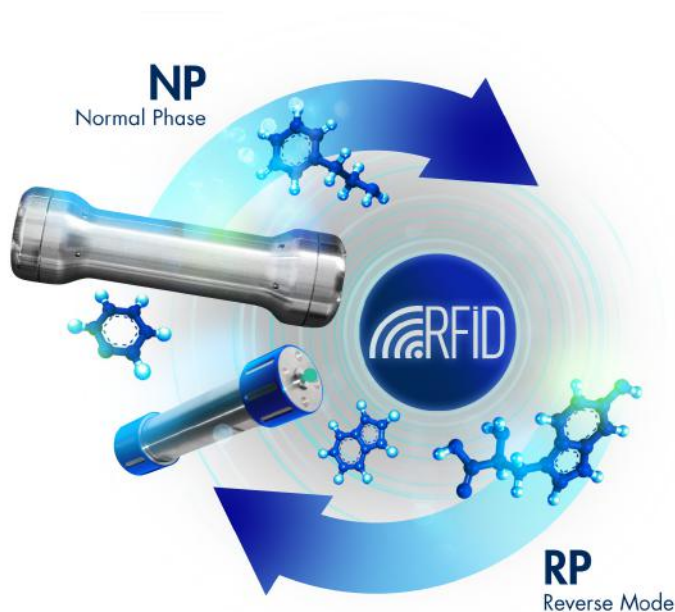
Interchim® Preparative columns range from 10.0 to 50.8mm i.d and are for the purification of samples ranging from 0.5mg to 1 gram.

Column tubing & column packing

The tube polishing value (Ra) has a fundamental importance in preparative chromatography. A primary reason for broad peaks and low efficiency is the utilization of poor quality tubing. Molecules in the center of the mobile phase stream can move more rapidly than 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 8µ 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 can withstand packing pressures up to 550 bar contributing strongly to a good bed stability and column life.

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, careful sample introduction control 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 500µm i.d capillary fitting - sample introduced to the column (without any sample distributor) will only interact with 0.01% of the surface column head. In addition to a dramatic loss in capacity there will also be a high potential for the column head to prematurely clog, rapidly reducing column life. 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 extending column life.



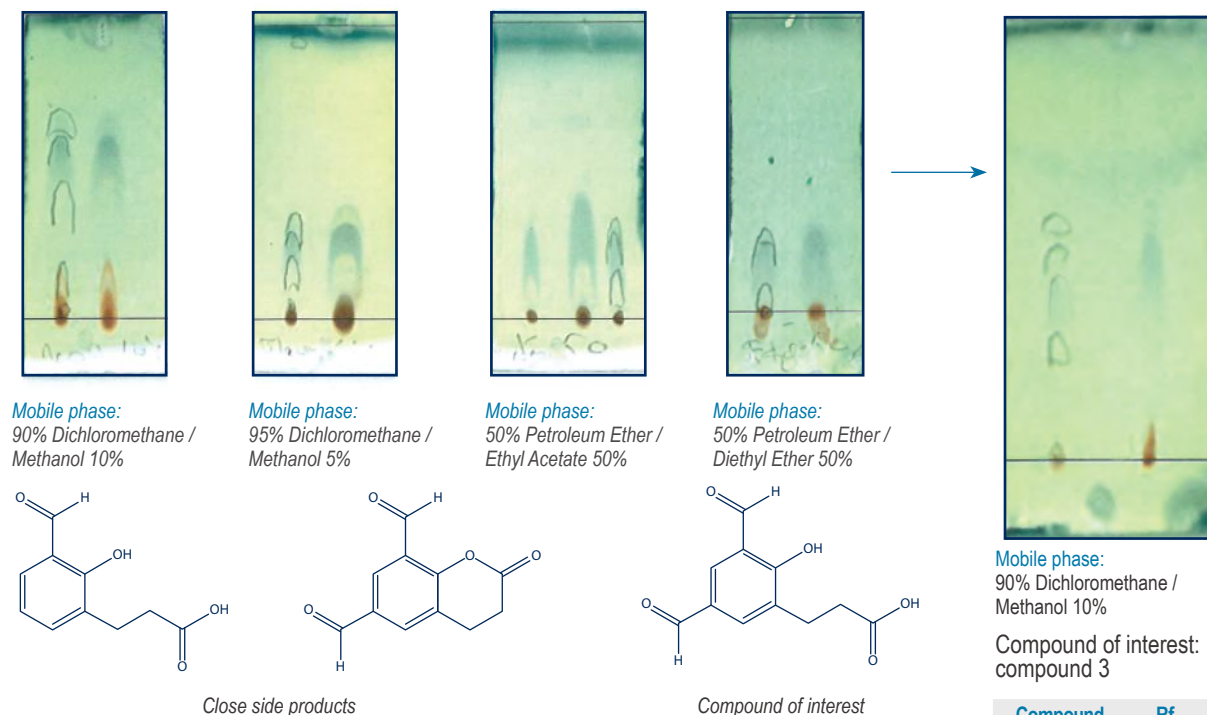
Find all the references and their specifications
available in our main catalog
« ULTRA PERFORMANCE FLASH PURIFICATION »

Or directly on our main website interchim.com

Application notes (example)

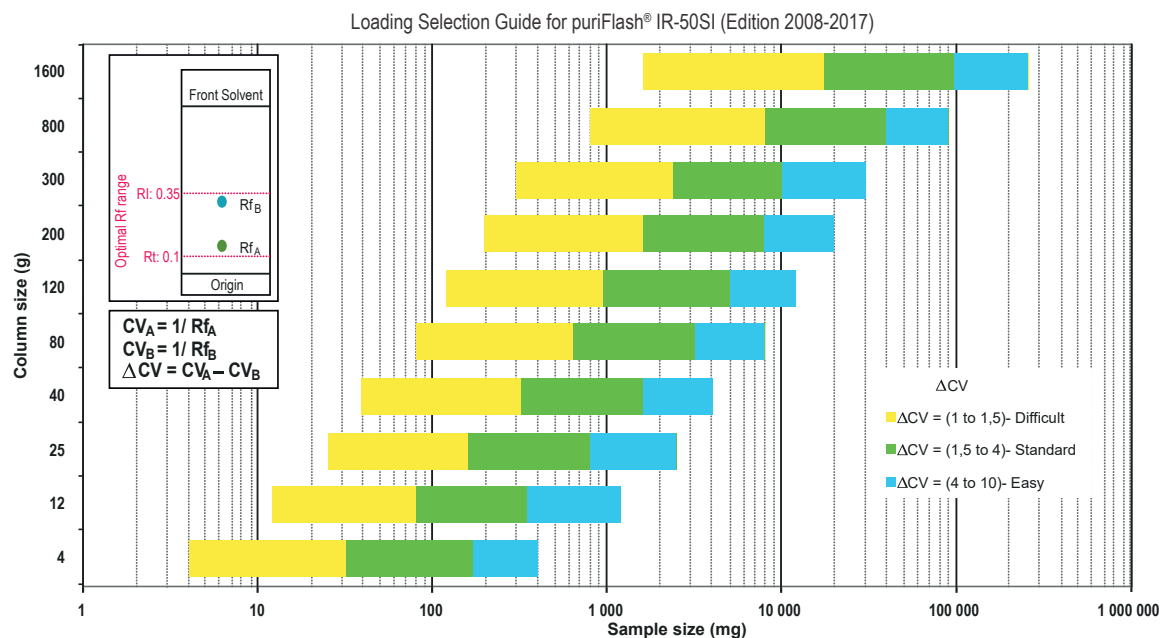
Purification of mixture using PF-15SIHP-F0025

1. TLC method development



2. Choice of the column according to the ΔCV & crude sample mass

Crude sample: 47mg
 Column: PF-15SIHP-F0025
 Loading capacity: 0.25%



Customer has chosen to use a PF-15SIHP-F0025 column to obtain a better separation (efficiency & purity) than with a IR-50SI-F0025 column.

3. Flash conditions

Device: puriFlash® XS 420Plus (or now puriFlash® XS 520Plus)

Solvents: A: Dichloromethane

B: Methanol

Column: PF-15SIHP-F0025

Flow rate: 15mL/min

Injection mode: Liquid injection

Crude sample: 47mg

Detection: UV 254nm (black), UV Scan 230-400nm (orange)

Mode: Automatic Gradient Optimization

Pressure: 1bar

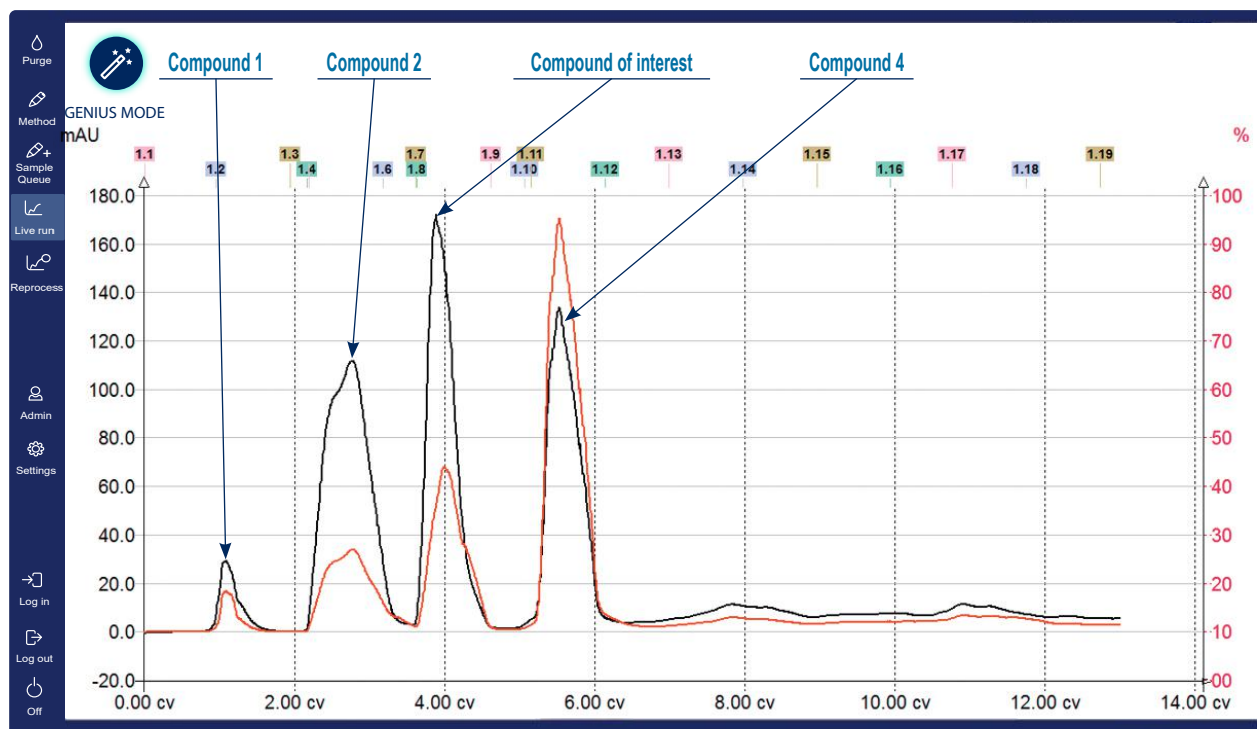
Elution conditions:

CV	A (%)	B (%)
0	98	2
1	98	2
11	90	10
13	90	10



puriFlash® XS 520Plus

*Small, but Mighty
300mL/min@up to 20bar*



[Access all our application notes by clicking here](#)

Ultra Performance Flash Purification



puriFlash[®] XS 520Plus

Small, but Mighty
300mL/min@up to 20bar



puriFlash[®] 5.020

The Partner of Daily Challenges
300mL/min@up to 20bar



puriFlash[®] 5.050

Cross-over Flash /Prep
250mL/min@up to 50bar

puriFlash[®]



puriFlash[®] 5.020-5X

Lab-Productivity
300mL/min@up to 20bar



puriFlash[®] 535-XL

Process-Kilo-Lab
400mL/min@up to 35bar



puriFlash[®] 5.015-XL

Process - Kilo-Lab
825mL/min@up to 15bar

Process Purification

Ultra High Performance Purification



puriFlash® 5.125

Complex Purifications with Confidence
250mL/min@up to 125bar



puriFlash® 5.250

Small, but Limitless
250mL/min@up to 250bar



puriFlash® 5.400

The Ultra-Purification
125mL/min@up to 400bar



Accuracy



Flash
& Go



Load
& Go



Boost
& Go



puriFlash® 5.125P

The Peptides Specialist
250mL/min@up to 125bar



puriFlash® 5.250P

Purification of Complex
Mixtures of Peptides
125mL/min@up to 250bar



puriFlash® UP³

Ultra Performance
Proteins Purification
100mL/min@up to 50bar

Peptides & Proteins Purification



ULTRA PERFORMANCE FLASH PURIFICATION

2018-20 edition



www.interchim.com/UPFP-Gen5.php

Sharing a customer-focused, workflow-enhancement vision, Interchim SAS, a global provider of research, industry and life science chromatography instruments and analytical consumables, and Advion Inc., a leader in life science high performance mass spectrometry, leverage nearly a decade of partnership and more than 50 years of business history. The combined companies' global presence offers a single source for sample prep, systems, novel media, and consumables solutions. Seamlessly integrated for unrivaled workflow improvements, the flash and preparative chromatography and mass analysis of small and large molecules ensures customers benefit from bespoke solutions and world class customer support. Together, Interchim X Advion continue to develop, manufacture and support novel solutions with nearly 250 employees on three continents and more than 100 distributors serving the world.

For more information, visit advion.com, interchim.com and flash-chromatography.com.



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