



Instrumentation

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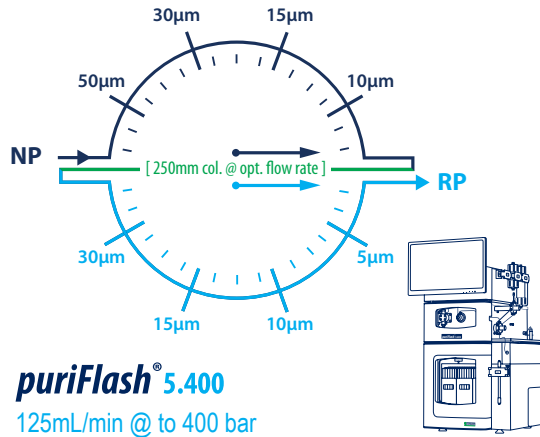
puriFlash® 5.020-5X
300mL/min @ to 20 bar

puriFlash® 5.050
250mL/min @ to 50 bar

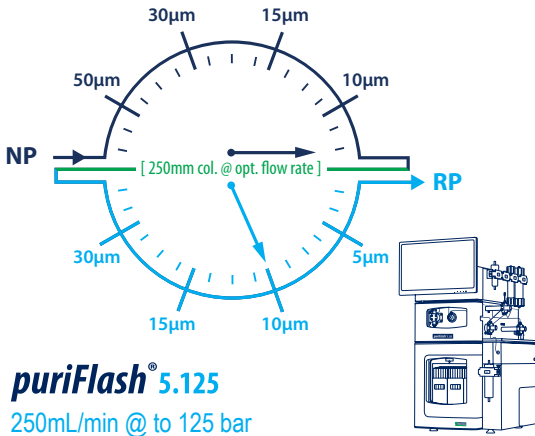
puriFlash® 5.020
300mL/min @ to 20 bar

puriFlash® 5.007
750mL/min @ to 7 bar

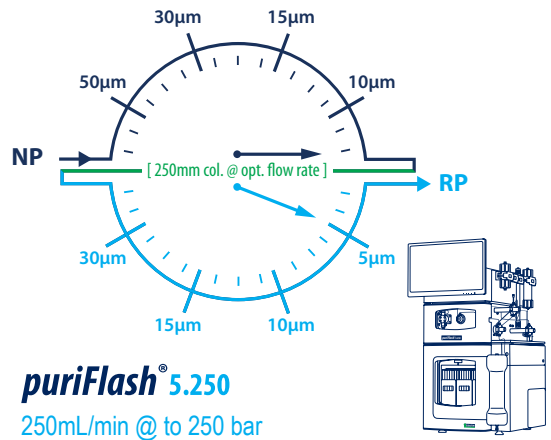
puriFlash® XS 520Plus
300mL/min @ to 20 bar



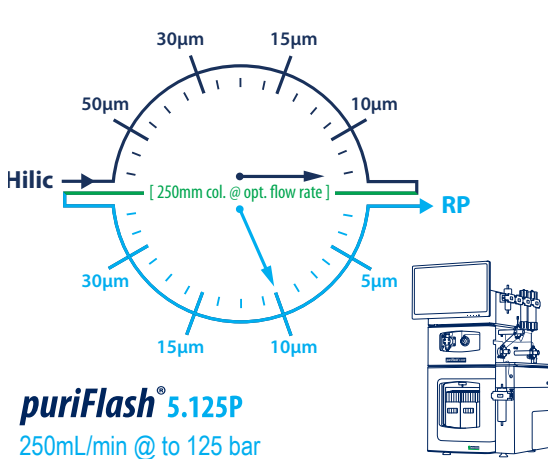
puriFlash 5.400
125mL/min @ to 400 bar



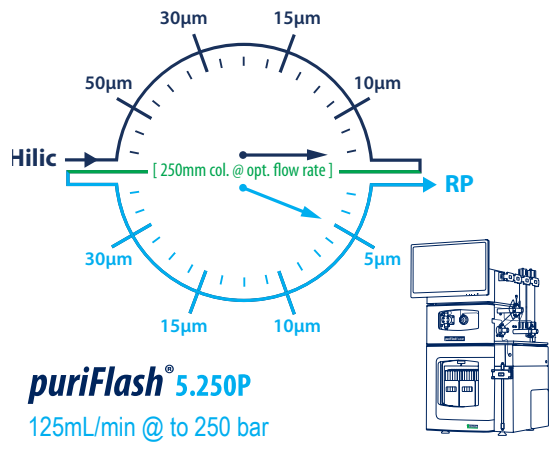
puriFlash 5.125
250mL/min @ to 125 bar



puriFlash 5.250
250mL/min @ to 250 bar



puriFlash 5.125P
250mL/min @ to 125 bar



puriFlash 5.250P
125mL/min @ to 250 bar





puriFlash® Generation 5

Ultra Performance Flash Purification or How to do high throughput purification?



These Best-In-Class instruments are fully designed to make your purification Easier, Intuitive & Productive.

Compact & Technological =>

The "Reduced Sphere of Use" improves ergonomics of the workstation. The global productivity of the working space is drastically amplified by having a lot of Integrated technologies (DEDL, UV, leak detector, ..) in such a small box.

On top of that, you can decide for a Bench-top installation of the instrument, the "Fume Encloser" feature safely optimizes the management of your workspace leaving your fume-hood free for chemistry

Versatile in terms of applications, the fine-tuning of the detection technologies employed guarantees maximum purification yield without loss of product.

Reliable & Safe =>

Run 24/7 with Confidence for a minimum of After Sales Service required. Bad surprises or hidden costs aren't to be feared after the purchase. The cost of use is perfectly mastered.

You can stay focused on your job with the necessary peace of mind having the certainty to get the best purification as possible. There is no risk of product loss thanks to the complete monitoring of the system through sensors, the management of overpressure and pauses.

The devices will be available full time and for long term for purification.

InterSoft® X =>

Keeps Intelligence Simple & Smart. Its Best-In-Class design makes the Chemist's life easier.

It is easily accessible to multi-profile users with a minimum of training. Intuitive, this Gen5 "Push the boundaries" with the innovative Flash & Go, Load & Go and Boost & Go technologies. To develop a method, challenge Genius or, do it by yourself.

Genius™ =>

Your personal Artificial Intelligence, embedded in InterSoft® X generates the best eco-(logical)-purification in the current knowledge.

Run safely the method & Get your Products Pure!

A Unique feature, the Solvent Heater technology to control & regulate temperature =>

You become confident in the reproducibility of purification methods in a given environment and their site-to-site transfer. You have access to impossible purifications at room temperature, you improve and you have a better control of the solvent mixture (thermal exo/endo mix). This feature also annihilates environmental variations and enhances efficiency, detection limit, purity, charge and the fractions collection.





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.

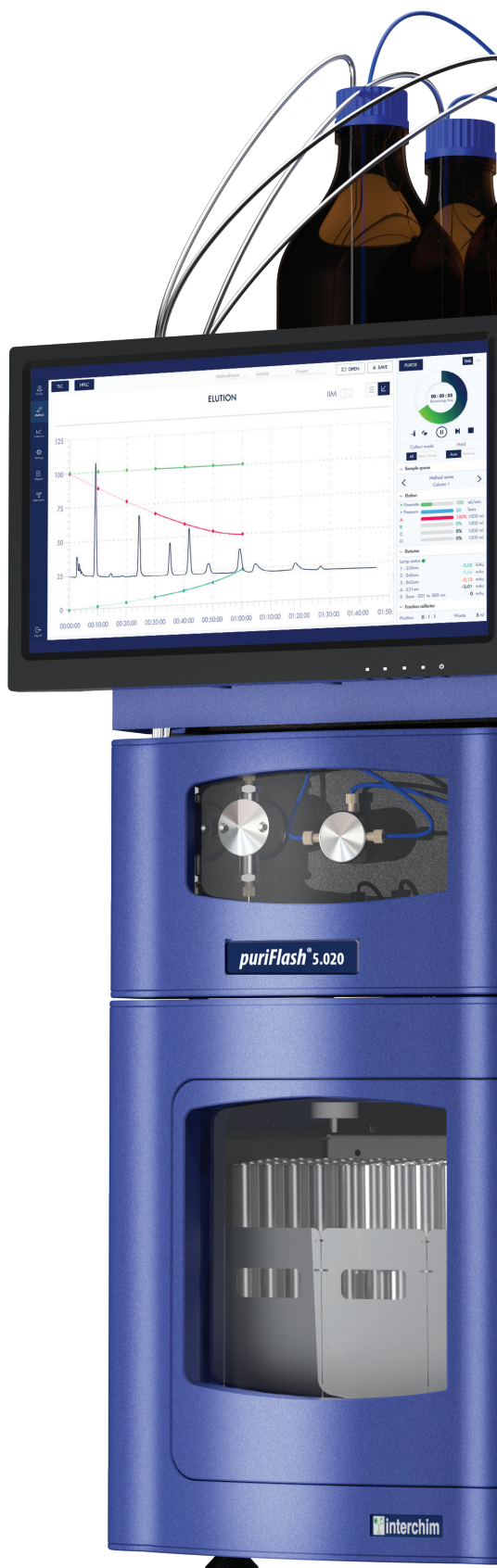
Load&Go:

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

Boost&Go:

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

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





"TLC to Flash & Prep Chromatography"



Revolutionize your Thin Layer Chromatography with our dedicated smartphone app

Developed to help you and to save your precious time everyday, the app allows:

- An automatic detection of your compounds and the calculation of Rf and ΔCV ($= \Delta K$).
- The direct (and secure) transmission of these informations to your Puriflash® system. "Genius" software will suggest the best method for a successful purification.
- To archive your data if you wish.



Flash & Go: Start with a "New TLC".



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 Rf and ΔCV ($= \Delta K$). It indicates if the Rf 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.



"MY TLC" to save your data.

Archive your TLC and keep all the valuable data in one place. If you want to reuse the settings of a plate for a new separation, it is so easy, in a snap you can send it back to the puriFlash® of your choice.



"SETTINGS" to personalize your experience.

Pair your device with Bluetooth or Wifi to your puriFlash®.
Configure your app according to your preferences.
Access quickly and directly to our websites.

Download or get your app "Interchim® TLC" now

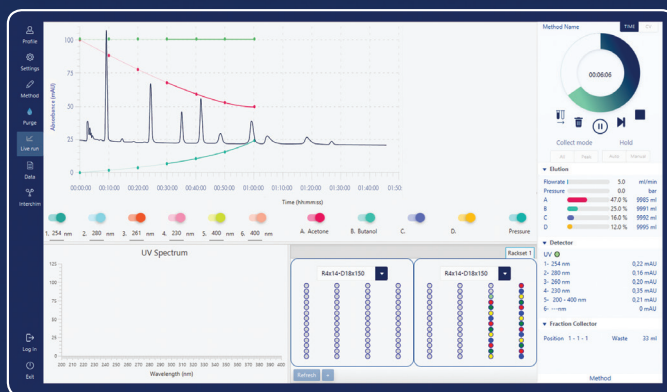
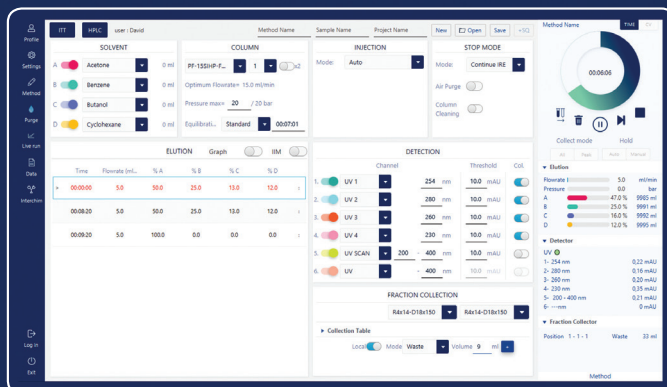


<https://goo.gl/givKvL>



InterSoft® X

Keeps Intelligence Simple, Smart



- Accessibility of multi-profile users with a minimum of training -
- Best-In-Class design that makes the Chemist's life Easier -
- "Push the boundaries" with Flash&Go, Load&Go and Boost&Go technologies intuitiveness -
- Challenge Genius, your Personal Artificial Intelligence, to develop the Purification Method, or do it by yourself -



Genius

Keeps Intelligence Simple, Smart



Whatever is 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 the current knowledge.
Run safely the method & Get your Products Pure!



	Flash Purification PF-XS 420Plus*			Flash Purification PF-XS 520Plus*		
Pump						
Flow rate	300mL/min			300mL/min		
Pressure max.	20bar			20bar		
Quaternary Gradient	yes			yes		
Air purge	yes			yes		
Washing discs	no			no		
Pump washing disc (option pack)	no			no		
Detector						
	Plus*	-UVextended	-Ultra	Plus*	-UVextended	-Ultra
UV: 200 - 400nm multi wavelength & scan collection	yes	no	no	yes	no	no
UV: 200 - 800nm multi wavelength & scan collection	no	yes	yes	no	yes	yes
Spectral view & purity confirmation	yes			yes		
iELSD Detection (option pack)	no			no		
pH/Conductimeter	no			no		
Injection						
	Plus*	-UVextended	-Ultra	Plus*	-UVextended	-Ultra
4 port electrical valve	no	no	yes	no	no	yes
6 port electrical valve w/loop	no			no		
6 port + 10 port electrical valves w/loop	no			no		
Injection mode: liquid - Dry-load	yes			yes		
Column Selection valve						
14 port /6 position electrical valve	no			no		
6 port electrical valve	no			no		
System Optimization						
Tubings	1.6mm id			1.6mm id		
Flow cell-optical length	0.3mm/40µL			0.3mm/40µL		
Columns Holder						
Integrated	yes			yes		
Pre-column holder	no			no		
Fraction Collector						
Regular Collector	2 long racks 112 tubes 18x150mm			2 long racks 112 tubes 18x150mm		
Unit control						
Touch screen 15"	yes			yes		
USB	4			4		
RJ45	yes			yes		
Software						
Interchim® soft X "Genius"	no			yes		
Interchim® soft ver. 5.1	yes			no		
Safety						
Leak detection (pump, FC, ...)	no			no		
Solvent tray w/drainage system	yes			yes		
Collector w/drainage sytem	yes			yes		
Solvent level monitoring	no			no		
RFID	no			no		
Fume Encloser	yes			yes		
Size						
	W: 14''' - 35.5cm D: 18.5''' - 47cm H: 30''' - 77cm			W: 14''' - 35.5cm D: 18.5''' - 47cm H: 30''' - 77cm		

Option pack have to be ordered with the purchase of the instrument.



Flash Purification PF-5.020	Flash Purification PF-5.020-5X	Flash Purification PF-5.050
300mL/min	300mL/min	250ml/min
20bar	20bar	50bar
yes	yes	yes
yes	yes	yes
no	no	yes
no	no	no
yes	yes	yes
pack-UVextended	pack-UVextended	pack-UVextended
yes	yes	yes
pack-iELSD	pack-iELSD	pack-iELSD
no	no	no
yes	no	no
no	yes	yes
no	no	no
yes	yes	yes
no	yes	no
no	no	no
1.6mm id	1.6mm id	1.6mm id
0.3mm/40µL	0.3 mm/40µL	0.3mm/40µL
yes	yes	yes
yes	no	yes
3 racks Gen5	3 racks Gen5	3 racks Gen5
132 tubes 18x150mm	132 tubes 18x150mm	132 tubes 18x150mm
yes	yes	yes
8	8	8
yes	yes	yes
yes	yes	yes
no	no	no
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
W: 15.75" - 40cm	W: 15.75" - 40cm	W: 15.75" - 40cm
D: 20.0" - 51cm	D: 20.0" - 51cm	D: 20.0" - 51cm
H: 29.5" - 75cm	H: 29.5" - 75cm	H: 29.5" - 75cm



Flash Purification Process

PF-5.007

Pump	
Flow rate	750mL/min
Pressure max.	7bar
Quaternary Gradient	yes
Air purge	no
Washing discs	yes
Pump washing disc (option pack)	no
Detector	
UV: 200 - 400nm multi wavelength & scan collection	yes
UV: 200 - 800nm multi wavelength & scan collection	pack-UVextended
Spectral view & purity confirmation	yes
iELSD Detection (option pack)	no
pH/Conductimeter	no
Injection	
4 port electrical valve	no
6 port electrical valve w/loop	no
6 port + 10 port electrical valves w/loop	no
Injection mode: liquid - Dry-load	yes
Column Selection valve	
14 port /6 position electrical valve	no
6 port electrical valve	no
System Optimization	
Tubings	2.4mm id
Flow cell-optical length	0.3mm/80µL
Columns Holder	
Integrated	yes
Pre-column holder	yes
Fraction Collector	
Regular Collector	3 racks Gen5 132 tubes 18x150mm
Unit control	
Touch screen 15"	yes
USB	8
RJ45	yes
Software	
Interchim® soft X "Genius"	yes
Interchim® soft ver. 5.1	no
Safety	
Leak detection (pump, FC, ...)	yes
Solvent tray w/drainage system	yes
Collector w/drainage sytem	yes
Solvent level monitoring	yes
RFID	yes
Fume Encloser	yes
Size	
	W: 15.75" - 40cm
	D: 20.0" - 51cm
	H: 29.5" - 75cm

Option pack have to be ordered with the purchase of the instrument.



Preparative PF-5.125	Preparative PF-5.250	Ultra-Prep PF-5.400
250mL/min	250mL/min	125mL/min
125bar	250bar	400bar
yes	yes	yes
yes	yes	no
yes	yes	yes
pack-PWD	pack-PWD	pack-PWD
yes	yes	yes
pack-UVextended	pack-UVextended	pack-UVextended
yes	yes	yes
pack-iELSD	pack-iELSD	pack-iELSD
no	no	no
no	no	no
yes	no	no
no	yes	yes
yes	yes	no
no	no	no
pack-Multi	pack-Multi	no
1.6mm id	1.6mm id	n.c.
0.3mm/40µL	0.3mm/40µL	1.0mm/20µL
yes	yes	yes
yes	yes	no
3 racks Gen5 132 tubes 18x150mm	3 racks Gen5 132 tubes 18x150mm	3 racks Gen5 132 tubes 18x150mm
yes	yes	yes
8	8	8
yes	yes	yes
yes	yes	yes
no	no	no
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
yes	yes	yes
W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm



	Peptides & Oligonucleotides PF-5.125P	Peptides & Oligonucleotides PF-5.250P
Pump		
Flow rate	250mL/min	125mL/min
Pressure max.	125bar	250bar
Quaternary Gradient	yes	yes
Air purge	yes	yes
Washing discs	yes	yes
Pump washing disc (option pack)	yes	yes
Detector		
UV: 200 - 400nm multi wavelength & scan collection	yes	yes
UV: 200 - 800nm multi wavelength & scan collection	pack-UVextended	pack-UVextended
Spectral view & purity confirmation	yes	yes
iELSD Detection (option pack)	pack-iELSD	pack-iELSD
pH/Conductimeter	no	no
Injection		
4 port electrical valve	no	no
6 port electrical valve w/loop	no	no
6 port + 10 port electrical valves w/loop	yes	yes
Injection mode: liquid - Dry-load	yes	yes
Column Selection valve		
14 port /6 position electrical valve	no	no
6 port electrical valve	pack-Multi	pack-Multi
System Optimization		
Tubings	1.0mm id	0.75mm id
Flow cell-optical length	1.3mm / 55µL	1.3mm/55µL
Columns Holder		
Integrated	yes	yes
Pre-column holder	yes	yes
Fraction Collector		
Regular Collector	3 racks Gen5 132 tubes 18x150mm	3 racks Gen5 132 tubes 18x150mm
Unit control		
Touch screen 15"	yes	yes
USB	8	8
RJ45	yes	yes
Software		
Interchim® soft X "Genius"	yes	yes
Interchim® soft ver. 5.1	no	no
Safety		
Leak detection (pump, FC, ...)	yes	yes
Solvent tray w/drainage system	yes	yes
Collector w/drainage sytem	yes	yes
Solvent level monitoring	yes	yes
RFID	yes	yes
Fume Encloser	yes	yes
Size		
	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm

Option pack have to be ordered with the purchase of the instrument.



Proteins Purification
PF-5.020B

100mL/min
20bar
yes
no
yes
yes

254nm & 280nm
200-to-400nm as an option*

* pack-UV
no
yes

no
yes
no
no

no
no

n.c.
n.c.

yes
no

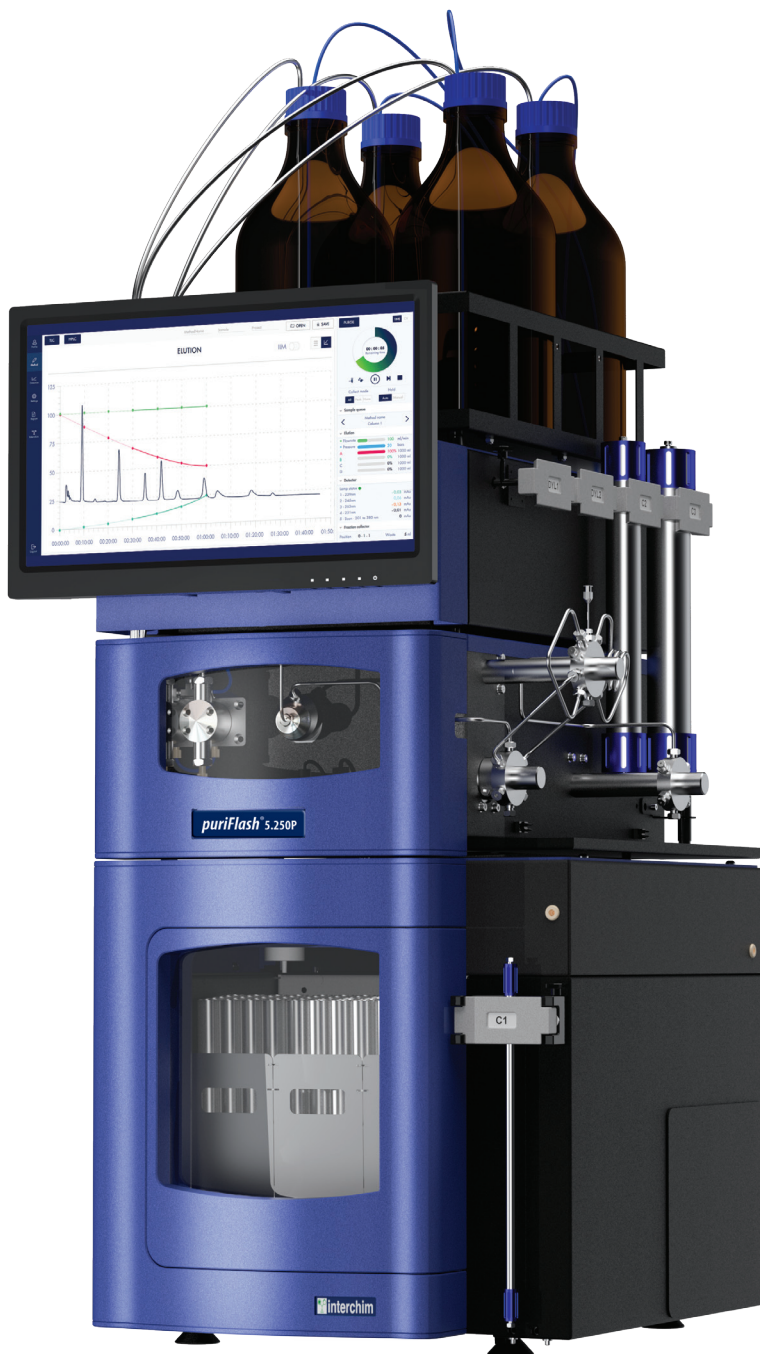
3 racks Gen5
132 tubes 18x150mm

yes
8
yes

yes
no

yes
yes
yes
yes
yes
yes

W: 15.75" - 40cm
D: 20.0" - 51cm
H: 29.5" - 75cm





up to
800G

300
mL/min

20
bar

PF-XS 420Plus

very Small, very Powerfull

As compact as its price, it is designed for routine flash purifications. The technology & the unique quality of the pump will take you much further. Increase the pressure, the puriFlash® XS 420Plus will offer the same precision, linearity & repeatability and allows you to perform complex and sophisticated purifications.

Pump

Flow rate 300mL/min
Pressure max. 20bar
Quaternary Gradient
Air purge
Solvent tray with drainage system

Injection

Injection mode: liquid - Dry-load

Columns Holder

Integrated

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

2 long racks
112 tubes 18x150mm

System Optimization

Unit control

Touch screen 15"
USB x 4
RJ45

Software

Intersoft® ver. 5.1

Safety

Solvent tray w/drainage system
Collector w/drainage system
Fume Encloser

Available Peripheral

puriVap™-6

MS simple Quad APCI- 1200m/z or 2000m/z

Refractive Index

Super loop via external pump

Auto-Sampler

2nd Collector

CarouXel

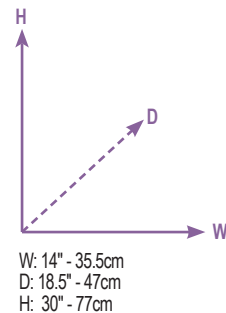
Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection
P/N: UVEX00

pack-Ultra

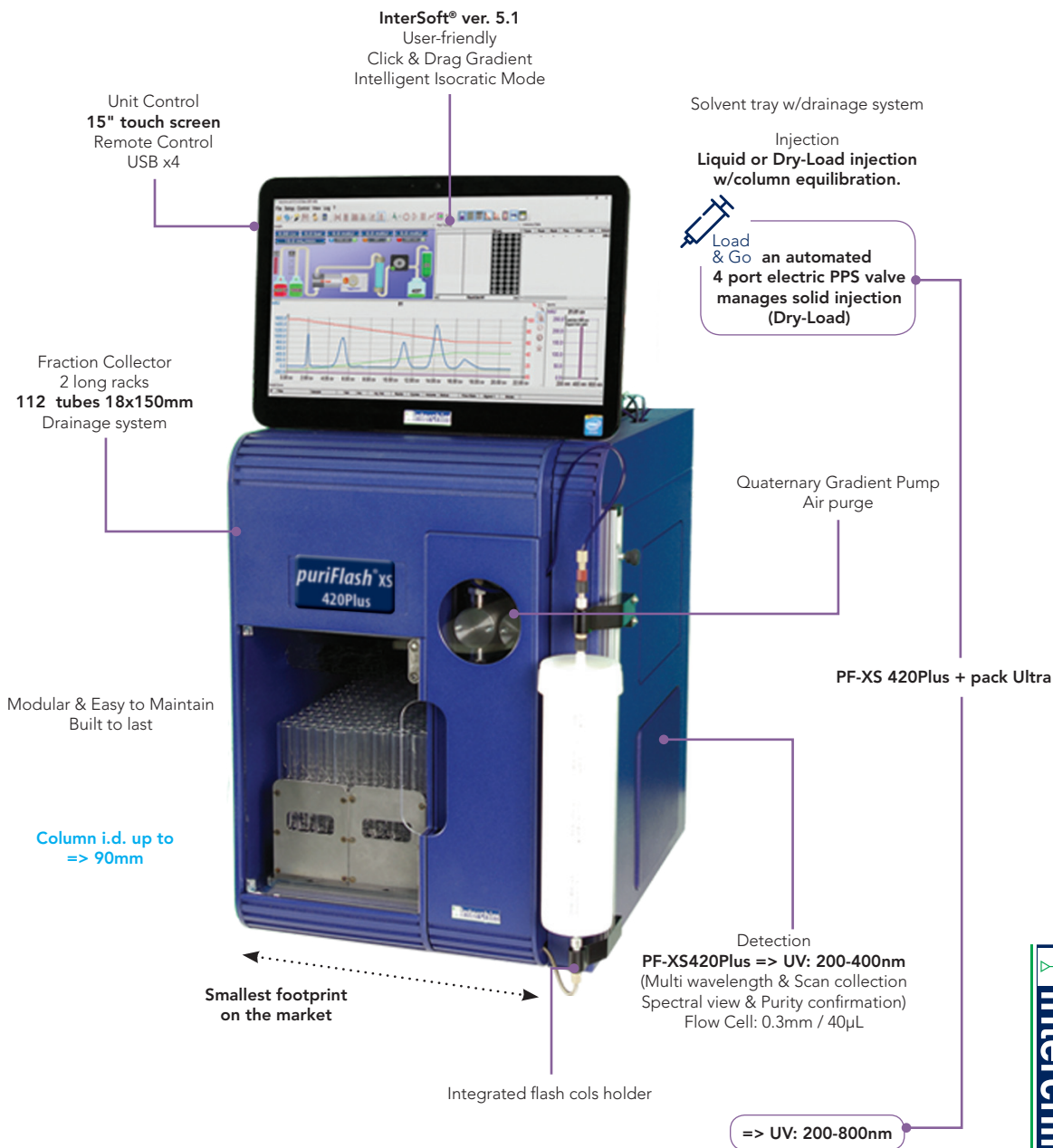
UV : 200 - 800 nm
multi wavelength & scan collection
+ 4 port electrical PPS valve
P/N: ULTR00





puriFlash® XS 420Plus

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



P/N: 1R1071





Accuracy
& Repeatability

up to
800G

300
mL/min

20
bar

PF-XS 520Plus

very Small, very Powerfull, very Awesome

A concentrate of 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 520 Plus will offer the same 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 as possible.

Pump

Flow rate 300mL/min
Pressure max. 20bar
Quaternary Gradient
Air purge
Solvent tray with drainage system

Injection

Injection mode: liquid - Dry-load

Columns Holder

Integrated

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

2 long racks
112 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 4
RJ45

Software

Intersoft® X "Genius"

Safety

Solvent tray w/drainage system
Collector w/drainage system
Fume Encloser

Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

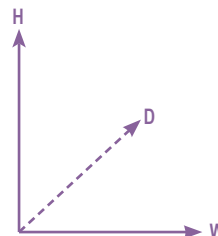
UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-Ultra

UV : 200 - 800 nm
multi wavelength & scan collection
+ 4 port electrical PPS valve

P/N: ULTR00



W: 14" - 35.5cm
D: 18.5" - 47cm
H: 30" - 77cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® XS 520Plus

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode

Unit Control
15" touch screen
Remote Control
USB x4

Fraction Collector
2 long racks
112 tubes 18x150mm
Drainage system

Modular & Easy to Maintain
Built to last

Column i.d. up to
=> 90mm

**Smallest footprint
on the market**

Solvent tray w/drainage system

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

**Load
& Go an automated
4 port electric PPS valve
manages solid injection
(Dry-Load)**

Quaternary Gradient Pump
Air purge

PF-XS 520Plus + pack Ultra

Detection
PF-XS520Plus => UV: 200-400nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 0.3mm / 40µL

Integrated flash cols holder

=> UV: 200-800nm



P/N: PFXS50



Accuracy
& Repeatability

up to
800G

300
mL/min

20
bar

PF 5.020

The partner of daily challenges

Access automation and more security. Thanks to embedded technology (RFID, leak & level sensors, ...) the working time is now devoted entirely to purification and no longer to the management of the instrument.

Pump

Flow rate 300mL/min
Pressure max. 20bar
Quaternary Gradient
Air purge
Solvent tray with drainage system

Injection

4 port electrical PPS valve
Injection mode: liquid - Dry-load

Columns Holder

Integrated

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

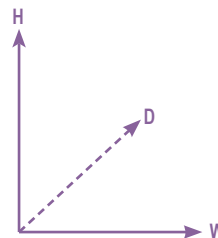
UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

Integrated Evaporative Light Scattering
SAGA technology

P/N: ELSD00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm



puriFlash® 5.020

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 90mm

Modular & Easy to Maintain
Built to last

Solvent tray w/drainage system

Pre-cols holder

Quaternary Gradient Pump
Air purge

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

Load & Go™ technology:
an automated
4 port electric PPS valve
manages solid injection

Detection
PF-5.020: UV: 200-400nm
PF-5.020 + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 0.3mm / 40µL

Integrated flash cols & pre-cols holder



P/N: PFG5A0



Accuracy
& Repeatability

up to
800G

300
mL/min

20
bar

PF 5.020-5X

Lab-Productivity

The use of 5 columns in sequential mode drastically enhances the throughput raising the number of daily purifications per chemist and labs, for a reduce working surface.

Pump

Flow rate 300mL/min
Pressure max. 20bar
Quaternary Gradient
Air purge
Solvent tray with drainage system

Injection

6 port electrical valve w/loop
Injection mode: liquid - Dry-load

Column Selection valve

14 port / 6 position electrical valve

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

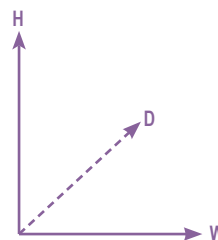
UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

Integrated Evaporative Light Scattering
SAGA technology

P/N: ELSD00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.020-5X

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

Solvent tray w/drainage system



Quaternary Gradient Pump
Air purge

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

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

Load & Go™ technology:
an automated
6 port electric valve
+ 14 port electric valve
manages solid injection

5X-Flash columns
(C1 to C5)
Column i.d. up to
=> 90mm

Modular & Easy to Maintain
Built to last

Detection
PF-5.020: UV: 200-400nm

PF-5.020 + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 0.3mm / 40µL

Integrated flash cols holder



P/N: PFG5X0



Accuracy
& Repeatability

up to
80mm i.d.
Col.

250
mL/min

50
bar

PF 5.050

Cross-over Flash /Prep

Access preparative chromatography. A single instrument to perform both flash and preparative purifications. Switch from normal to reverse phase and work with reusable columns. Finally, it achieve a better ecological approach and sustainable development of purification.

Pump

Flow rate 250mL/min
Pressure max. 50bar
Quaternary Gradient
Air purge
Washing discs
Solvent tray with drainage system

Injection

6 port electrical valve w/loop
Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

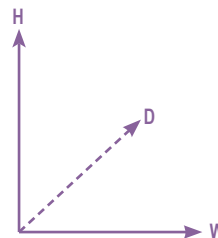
UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

Integrated Evaporative Light Scattering
SAGA technology

P/N: ELSD00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.050

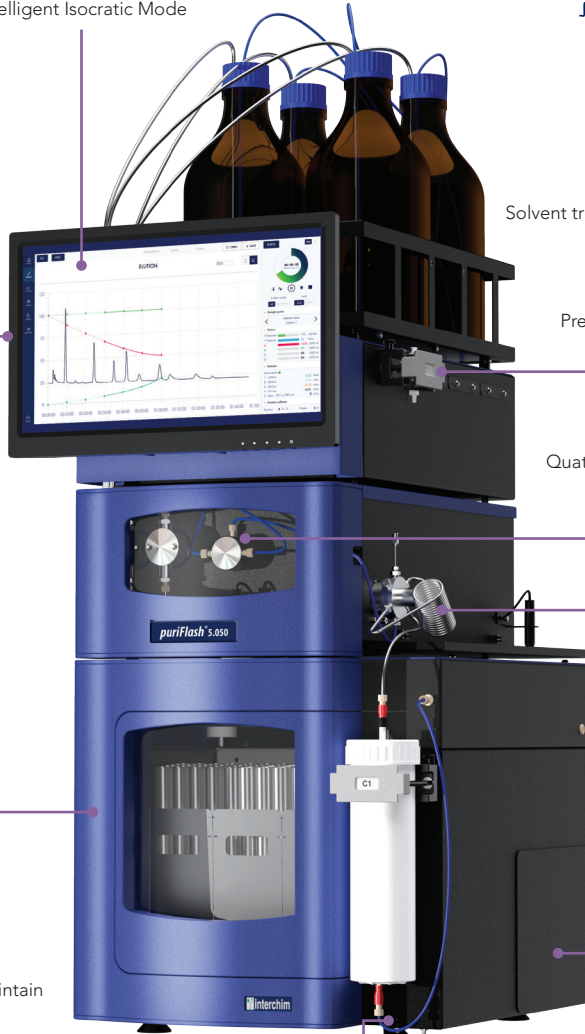
- Small Organic molecules ★★★★★
- Impurities Identification ★★★★★
- Natural Products ★★★★★
- Peptides, Oligonucleotides ★★★★★
- Proteins, Bio-drugs ★★★★★
- Metabolites Isolation ★★★★★
- Traces Enrichment ★★★★★

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

Solvent tray w/drainage system



Pre-cols holder

Quaternary Gradient Pump
Air purge

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

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

Load & Go™ technology:
an automated
6 port electric valve
manages solid injection

**Column i.d. up to
=> 80mm**

Modular & Easy to Maintain
Built to last

Detection

PF-5.050: UV: 200-400nm

PF-5.050 + Pack-UVextended: UV: 200-800nm

(Multi wavelength & Scan collection
Spectral view & Purity confirmation)

Flow Cell: 0.3mm / 40µL

Integrated flash cols holder



P/N: PFG5C0



up to
145mm i.d.
Col.

750
mL/min

7
bar

PF 5.007

Process - Kilo-Lab

Reliability & robustness with significant loading capacity.

Its reliability, its robustness over the time as well as its security features are the essential assets to make semi-continuous productions effective up to hundreds of grams of compound of interest.

Continuity of production on the same device independently of the scale-up factor.

Pump

Flow rate 750mL/min
Pressure max. 7bar
Quaternary Gradient
Washing discs
Solvent tray with drainage system

Injection

Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 2.4mm id
Flow cell-optical length 0.3mm / 80µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

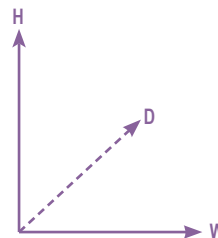
Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.007

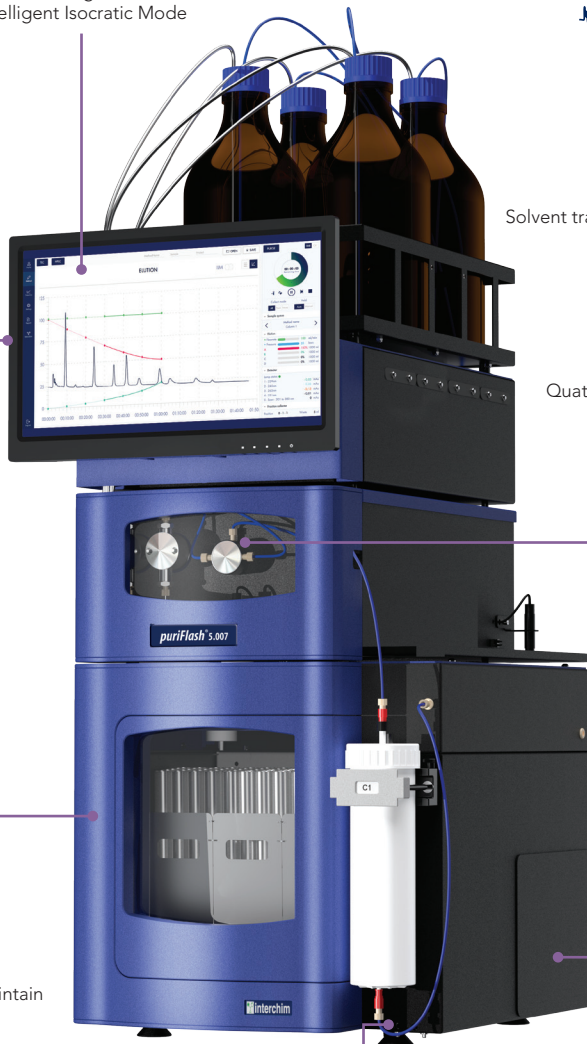
- Small Organic molecules ★★★★★
- Impurities Identification ☆☆☆☆☆
- Natural Products ★★★★★
- Peptides, Oligonucleotides ★★★★★
- Proteins, Bio-drugs ★★★★★
- Metabolites Isolation ★★★★★
- Traces Enrichment ★★★★★

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

Solvent tray w/drainage system



Quaternary Gradient Pump
Washing Disc

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 145mm

Modular & Easy to Maintain
Built to last

Integrated flash cols
& pre-cols holder

Detection
PF-5.007: UV: 200-400nm

PF-5.007 + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 0.3mm / 80µL



P/N: PFG5L0



Accuracy
& Repeatability

up to
80mm i.d.
Col.

250
mL/min

125
bar

PF 5.125

Complex purifications with confidence

Factor 2X of working pressure vs. Cross-over Flash / Prep

Designed to truly perform preparative purification, it is suitable for both chemists and the purification needs of analytical services. It optimizes internal processes between departments. Beyond the classical applications, the purifications of complex matrices (natural products, ...) become accessible.

Pump

Flow rate 250mL/min
Pressure max. 125bar
Quaternary Gradient
Air purge
Washing discs
Solvent tray with drainage system

Injection

6 port electrical valve w/loop
Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

- puniVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

Integrated Evaporative Light Scattering Detector
SAGA technology

P/N: ELS00

pack-PWD

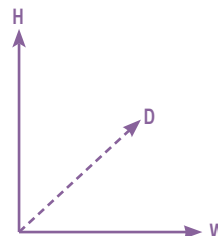
Pump washing disc

P/N: PFPWD0

pack-Multi

6 port electrical valve

P/N: MULT00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



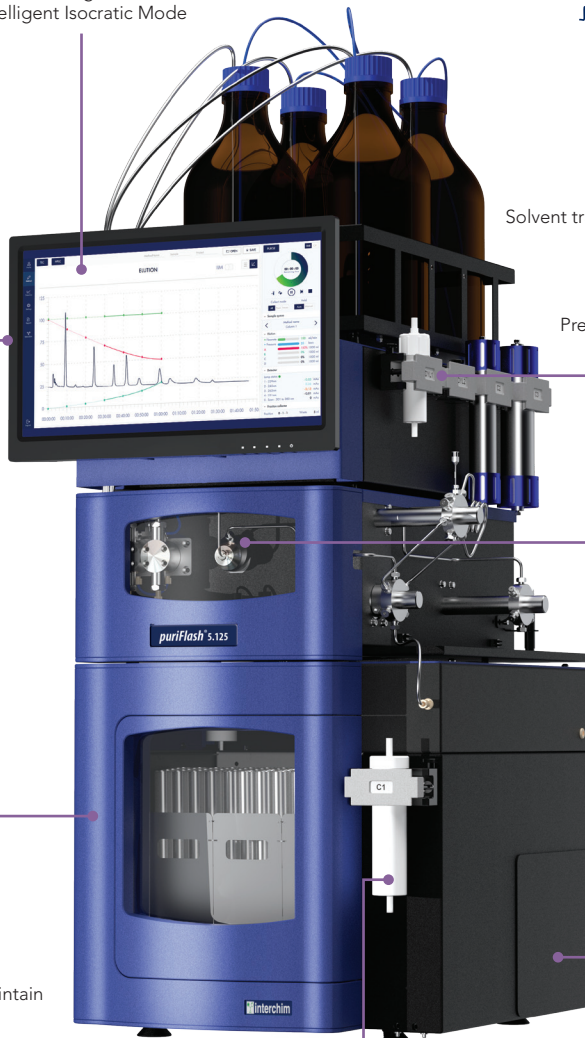
puriFlash® 5.125

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45



Solvent tray w/drainage system

Pre-cols holder

Quaternary Gradient Pump
Air purge
Washing Disc

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

Load & Go™ technology:
an automated
6 port electric valve
+ 6 port electric valve
manages solid injection

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 80mm

Modular & Easy to Maintain
Built to last

Detection

PF-5.125: UV: 200-400nm

PF-5.125 + Pack-UVextended: UV: 200-800nm

(Multi wavelength & Scan collection
Spectral view & Purity confirmation)

Flow Cell: 0.3mm / 40µL

Integrated cols holder



P/N: PFG5D0



Accuracy
& Repeatability

up to
80mm i.d.
Col.

250
mL/min

250
bar

PF 5.250

very Small, Hyper Powerful

Maximum Versatility & Flexibility.

It brings a unique performance in all circumstances. It is adapted to all needs from routine purification to complex mixtures, impurity separation, or traces enrichment, ...

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

Pump

Flow rate 250mL/min
Pressure max. 250bar
Quaternary Gradient
Air purge
Washing discs
Solvent tray with drainage system

Injection

6 port + 10 port electrical valves w/loop
Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.6mm id
Flow cell-optical length 0.3mm / 40µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

puriVap™-6
MS simple Quad APCI- 1200m/z or 2000m/z
Refractive Index
Super loop via external pump
Auto-Sampler
2nd Collector
CarouXel
Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

Integrated Evaporative Light Scattering Detector
SAGA technology

P/N: ELS00

pack-PWD

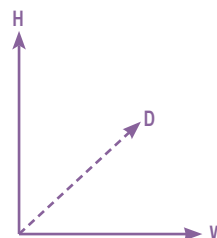
Pump washing disc

P/N: PFPWD0

pack-Multi

6 port electrical valve

P/N: MULT00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.250

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45



Solvent tray w/drainage system

Pre-cols holder

Quaternary Gradient Pump
Air purge
Washing Disc

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

Load & Go™ technology:
an automated
6 port + 10 port electric valves
manages solid injection

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 80mm

Modular & Easy to Maintain
Built to last

Detection

PF-5.250: UV: 200-400nm
PF-5.250 + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 0.3mm / 40µL

Integrated cols holder



P/N: PFG5E0



Accuracy
& Repeatability

up to
60mm i.d.
Col.

125
mL/min

400
bar

PF 5.400

The Ultra-Purification

Method development and purification of rare & high added value compounds.

From method development to purification on the same instrument for more flexibility, saving time.

It is compatible with sub-2 micron column for maximum separating power.

Pump

Flow rate 125mL/min
Pressure max. 400bar
Quaternary Gradient
Washing discs
Solvent tray with drainage system

Injection

6 port + 10 port electrical valve w/loop

Columns Holder

Integrated

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings n.c.
Flow cell-optical length 1.0mm / 20µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

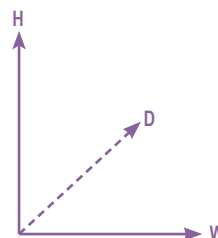
Integrated Evaporative Light Scattering Detector
SAGA technology

P/N: ELSD00

pack-PWD

Pump washing disc

P/N: PFPWD0



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.400

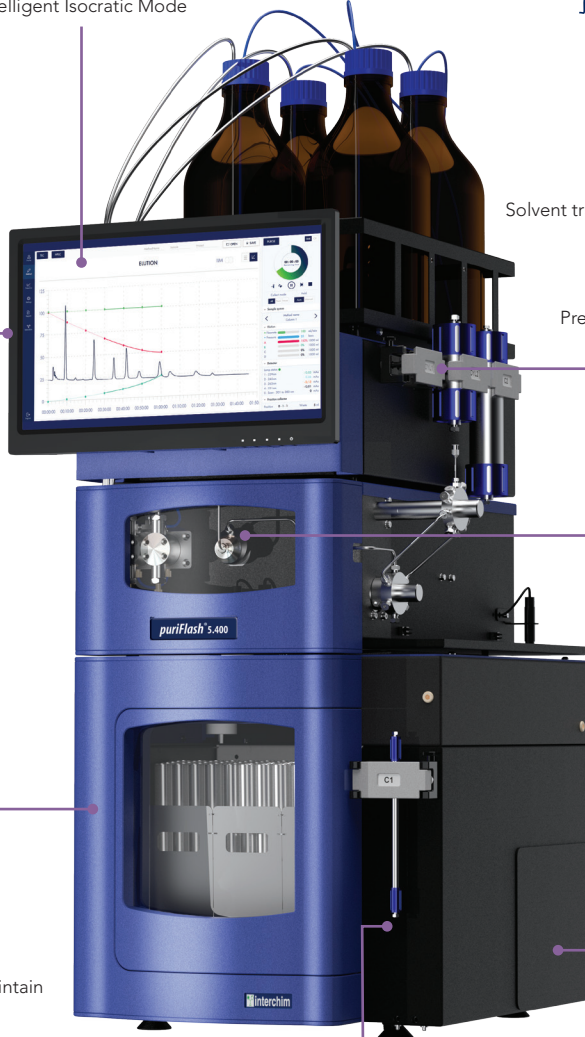
- Small Organic molecules ★★★★★
- Impurities Identification ★★★★★
- Natural Products ★★★★★
- Peptides, Oligonucleotides ★★★★★☆
- Proteins, Bio-drugs ★☆☆☆☆
- Metabolites Isolation ★★★★★
- Traces Enrichment ★★★★★

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

Solvent tray w/drainage system



Pre-cols holder

Quaternary Gradient Pump
Washing Disc

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

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

Load & Go™ technology:
an automated
6 port + 10 port electric valves
manages solid injection

Column i.d. up to
=> 60mm

Modular & Easy to Maintain
Built to last

Detection

PF-5.400: UV: 200-400nm

PF-5.400 + Pack-UVextended: UV: 200-800nm

(Multi wavelength & Scan collection
Spectral view & Purity confirmation)

Flow Cell: 1.0mm / 20µL

Integrated cols holder



P/N: PFG5F0



Accuracy
& Repeatability

up to
80mm i.d.
Col.

250
mL/min

125
bar

PF 5.125P

The peptides specialist

Configured for aqueous and buffered mobile phases.

Purify with confidence, using mobile phases, a specific fluidic, and detection sensitivity suitable for peptides.

Pump

Flow rate 250mL/min
Pressure max. 250bar
Quaternary Gradient
Air purge
Washing discs
Pump washing disc
Solvent tray with drainage system

Injection

6 port + 10 port electrical valves w/loop
Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 1.0mm id
Flow cell-optical length 1.3mm / 55µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

puriVap™-6

MS simple Quad APCI- 1200m/z or 2000m/z ESI

Refractive Index

Super loop via external pump

Auto-Sampler

2nd Collector

CarouXel

Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

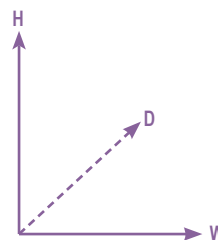
Integrated Evaporative Light Scattering Detector
SAGA technology

P/N: ELSX00

pack-Multi

6 port electrical valve

P/N: MULT00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



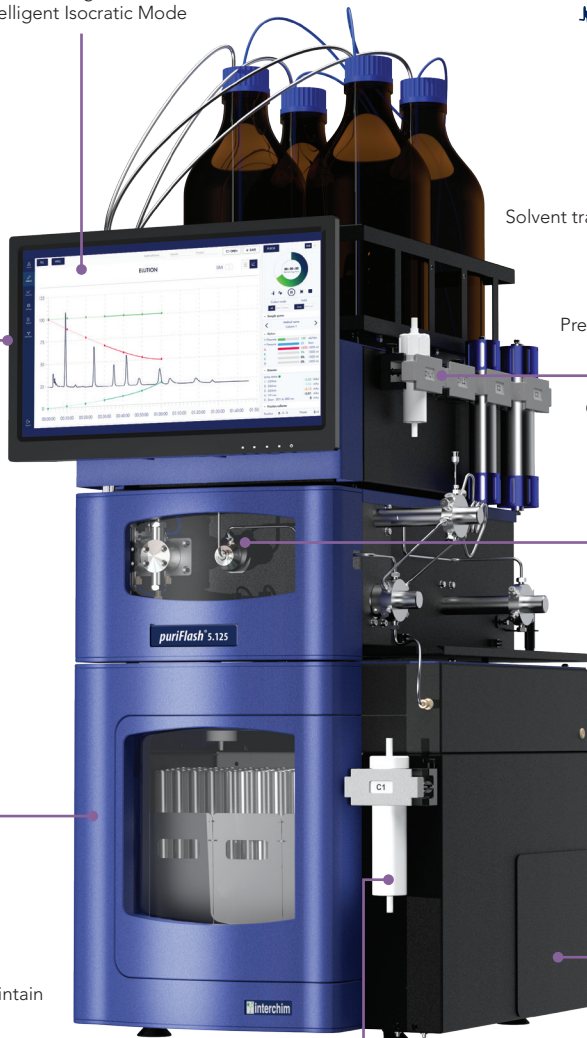
puriFlash® 5.125P

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45



Solvent tray w/drainage system

Pre-cols holder

Quaternary Gradient Pump
Air purge
Washing Disc + Pump

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

Load & Go™ technology:
an automated
6 port electric valve
+ 10 port electric valve
manages solid injection

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 80mm

Modular & Easy to Maintain
Built to last

Detection
PF-5.125P: UV: 200-400nm

PF-5.125P + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)
Flow Cell: 1.3mm / 55µL

Integrated cols holder



P/N: PFG5P0



Accuracy
& Repeatability

up to
60mm i.d.
Col.

125
mL/min

250
bar

PF 5.250P

Purification of complex mixtures of peptides

Maximum efficiency.

The use of small particle size combined with the reduction of dead volume makes possible to discriminate nearby peptides in terms of amino acid sequence.

Pump

Flow rate 125mL/min
Pressure max. 250bar
Quaternary Gradient
Air purge
Washing discs
Pump washing disc
Solvent tray with drainage system

Injection

6 port + 10 port electrical valves w/loop
Injection mode: liquid - Dry-load

Columns Holder

Integrated
Pre-column holder

Detector

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings 0.75mm id
Flow cell-optical length 1.3mm / 55µL

Unit control

Touch screen 15"
USB x 8
RJ45

Software

InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

Available Peripheral

puriVap™-6

MS simple Quad APCI- 1200m/z or 2000m/z ESI

Refractive Index

Super loop via external pump

Auto-Sampler

2nd Collector

CarouXel

Multi-waste 1 inlet / 6 outlet electrical valve

pack-UVextended

UV : 200 - 800 nm
multi wavelength & scan collection

P/N: UVEX00

pack-iELSD

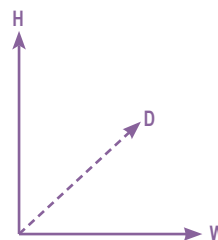
Integrated Evaporative Light Scattering Detector
SAGA technology

P/N: ELSD00

pack-Multi

6 port electrical valve

P/N: MULT00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



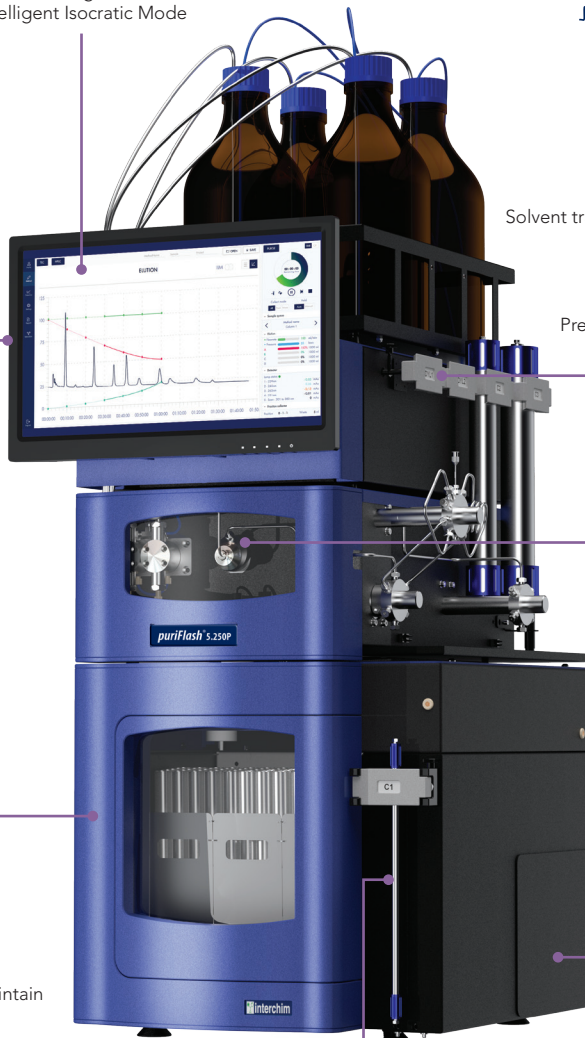
puriFlash® 5.250P

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

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45



Solvent tray w/drainage system

Pre-cols holder

Quaternary Gradient Pump
Air purge
Washing Disc + Pump

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

Load & Go™ technology:
an automated
6 port electric valve
+ 10 port electric valve
manages solid injection

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 60mm

Modular & Easy to Maintain
Built to last

Detection
PF-5.250P: UV: 200-400nm

PF-5.250P + Pack-UVextended: UV: 200-800nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)

Flow Cell: 1.3mm / 55µL

Integrated cols holder



P/N: PFG5Q0



PF 5.020B

The proteins specialist

Pragmatic & Kiss for proteins purification.

Convenient accessibility to protein purification for all types of users.

up to
50mm i.d.
Col.

100
mL/min

20
bar

Pump

Flow rate 100mL/min
Pressure max. 20bar
Quaternary Gradient
Washing discs
Pump washing disc
Solvent tray with drainage system

Injection

6 port electrical valve w/loop

Columns Holder

Integrated

Detector

UV: 254nm & 280nm
pH/Conductimeter

Fraction Collector

3 racks Gen5
132 tubes 18x150mm

System Optimization

Tubings n.c.
Flow cell-optical length n.c.

Unit control

Touch screen 15"
USB x 8
RJ45

Software

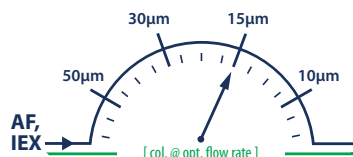
InterSoft® X "Genius"

Safety

Leak detection (pump, FC, ...)
Solvent tray w/drainage system
Collector w/drainage system
Solvent level monitoring
RFID
Fume Encloser

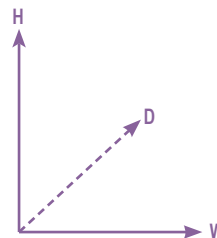
Available Peripheral

- puriVap™-6
- MS simple Quad APCI- 1200m/z or 2000m/z
- Refractive Index
- Super loop via external pump
- Auto-Sampler
- 2nd Collector
- CarouXel
- Multi-waste 1 inlet / 6 outlet electrical valve



pack-UV

UV : 200 - 400nm
multi wavelength & scan collection
Spectral view & purity confirmation P/N: PKUV00



W: 15.75" - 40.0cm
D: 20.0" - 51.0cm
H: 29.5" 75.0cm

Option pack have to be ordered with the purchase of the instrument.



puriFlash® 5.020B

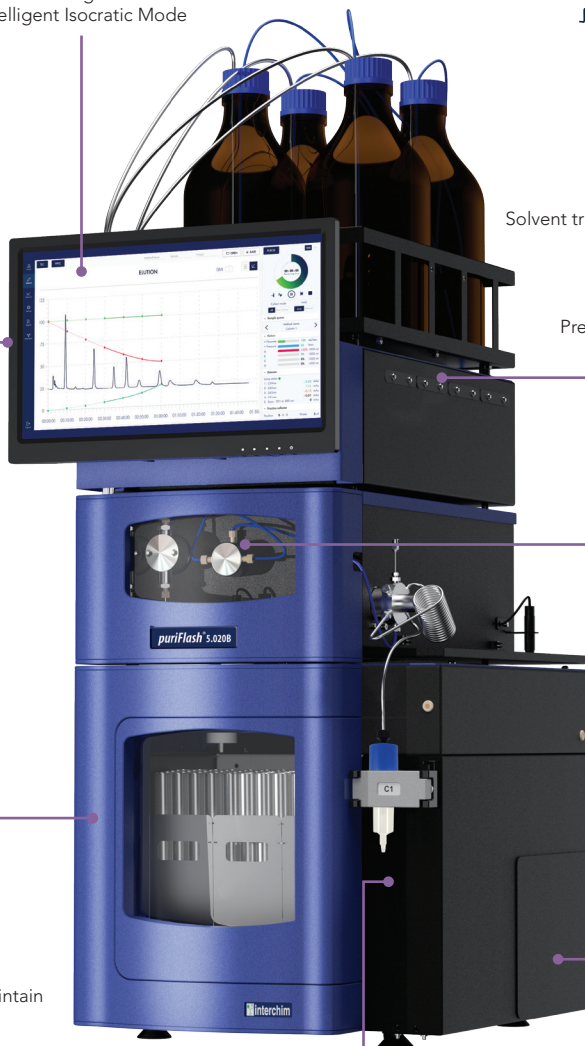
- Small Organic molecules ☆☆☆☆☆
- Impurities Identification ☆☆☆☆☆
- Natural Products ☆☆☆☆☆
- Peptides, Oligonucleotides ☆☆☆☆☆
- Proteins, Bio-drugs ★★★★★
- Metabolites Isolation ★★★★★
- Traces Enrichment ☆☆☆☆☆

InterSoft® X "Genius"
User-friendly
Click & Drag Gradient
Intelligent Isocratic Mode



Unit Control
15" touch screen
Remote Control
USB x8 - RJ45

Solvent tray w/drainage system



Pre-cols holder

Quaternary Gradient Pump
Washing Disc + Pump

Injection
Liquid injection
w/column equilibration.

Load & Go™ technology:
through automated
6 port electric valve

Fraction Collector
3 racks Gen5
132 tubes 18x150mm
Drainage system

Column i.d. up to
=> 50mm

Modular & Easy to Maintain
Built to last

Detection

PF-5.020B: UV: 254 & 280nm
PF-5.020B + Pack UV: UV: 200-400nm
(Multi wavelength & Scan collection
Spectral view & Purity confirmation)

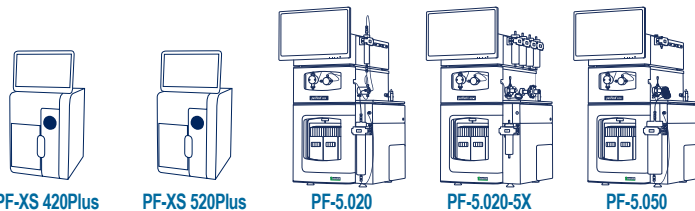
Integrated cols holder



P/N: PFG5B0



Flash Purification

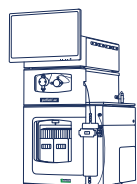


Peripheral devices

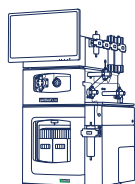
	PF-XS 420Plus	PF-XS 520Plus	PF-5.020	PF-5.020-5X	PF-5.050
puriVap™-6 	X	X	X	X	X
MS simple Quad APCI- 1200 or 2000m/z 			X	X	X
Refractive Index 			X	X	X
Super loop via external pump 			X	X	X
Auto-Sampler 				X	X
2nd Collector 			X	X	X
CarouXel 			X		X
Multi-waste 1 inlet / 6 outlet electrical valve 				X	



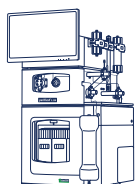
Flash Purification Process	Preparative			Peptides & Oligonucleotides		Proteins Purification
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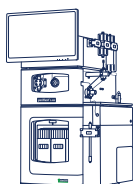
PF-5.007



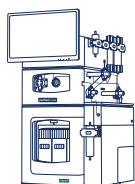
PF-5.125



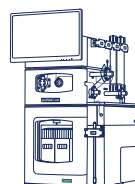
PF-5.250



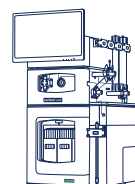
PF-5.400



PF-5.125P



PF-5.250P



PF-5.020B

X

X

X

X

X

X

X

X

X

X - ESI

X - ESI

X

X

X

X

X

X

X

X

X

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Interchim® puriVap-6™

Simple & Smart - 6 positions Evaporator

- 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

- Anti-corrosive material (PTFE)
- "Open view" to control sample volume level during the evaporation process
- Dry aluminium block heating mode to avoid potential water vapor interference
- Small difference temperature between channels (RSD: 0;11%)
- Dry aluminium block heating mode to avoid potential water vapor interference
- Low gas consumption (nitrogen gas supply : 1-2 bar max | flow rate: 7-8L/min)

Compatible vial sizes

Sample volume: 2mL up to 60mL

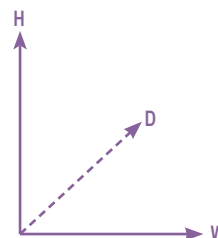
Vial size	Volume
28x140mm	60mL
28x95mm	40mL
40ml - 1mL tail tube	40mL
18x150mm	25mL
16x150mm	22mL
16x100mm	12mL
13x100mm	10mL
12x32mm	2mL

Solvent evaporation time

Sample volume : 5mL - Nitrogen gas supply : 1 bar

Solvent	Boiling point (°C)	Setting temperature (°C)	Evaporation time (min)
methanol	64,7	40	21
acetonitrile	82	50	19
ethyl acetate	77,1	50	14
hexane	68	55	8
methylene chloride	39,6	40	7
water	100	90	50

Part no.	Description	Qty
Interchim® puriVap-6™		
AWZ5R0	Interchim® puriVap6 Nitrogen Evaporator	1x1u
	Included:	
	6x spacer (AWZ7L0)	
	6x 40mL vials graduated	
	6x nitrogen needle (AWZ7K0)	
Accessories		
AWZ7K0	Nitrogen needle	1x1u
AWZ7L0	Spacer M/F M4 L40	1x1u
AWZ7M0	Aluminium block OD 18mm	1x1u
AWZ7P0	Aluminium block 16mm - Vials 2mL	1x1u
AWZ7Q0	Aluminium block 13mm - Vials 2mL	1x1u



W: 13.38" - 34.0cm
D: 4.33" - 11.0cm
H: 6.7" 17.5cm



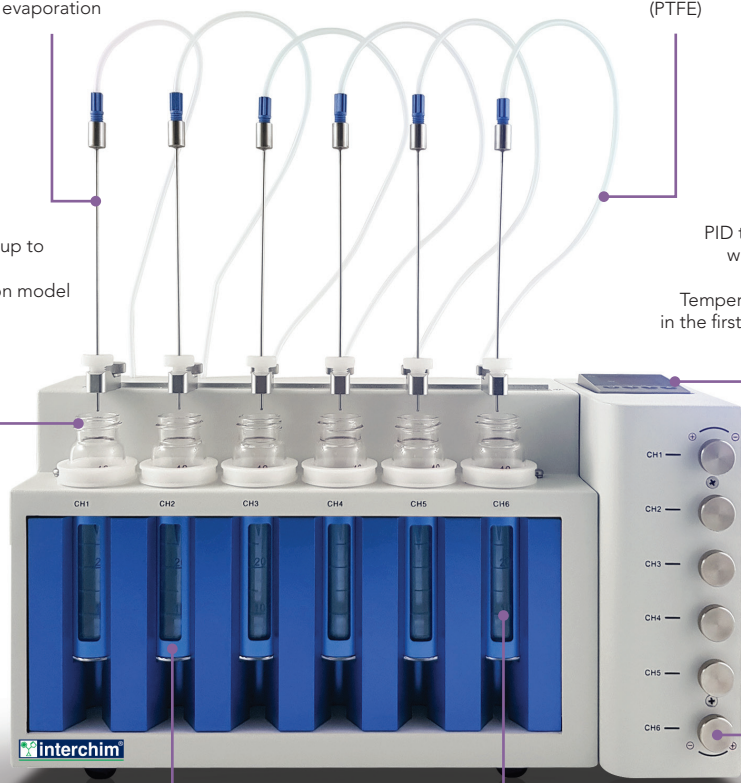
puriVap™6

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

Anti-corrosive material (PTFE)

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

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



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

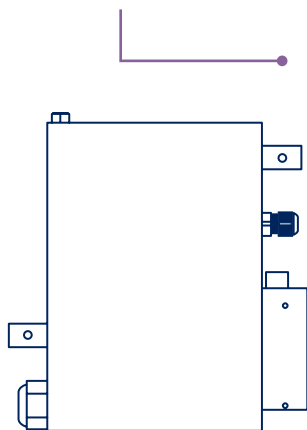
Dry aluminium block heating mode to avoid potential water vapor interference
Small temperature difference between channels (RSD: 0.11%)

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





puriFlash® 5.020



puriFlash® 5.020-5X

Interchim® Preparative Integrated ELSD

Secure your purification by a Universal Detector

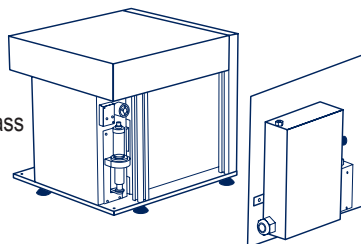
- Even non chromophore are now visible
- Specifically developed for purification Mass response detector
- Full control of the split and the inlet flow
- True purification design nebulizer: no clogging
- Large dynamic range: mg up to hundred g
- Easy access /easy maintenance

Optimized **Low Temperature** Technology

Quicker droplets drying at lower temperature

Preserves the integrity of thermo-sensitive compounds

puriFlash® 5.050



puriFlash® 5.050

Features

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

puriFlash® 5.250P

puriFlash® 5.250

puriFlash® 5.125P


puriFlash® 5.400





Interchim® Auto-Sampler puriFlash®AS-1 Preparative LC Auto-Sampler

Through puriFlash® system:
Injection
**Liquid injection
w/column equilibration.**

 **Load & Go™ technology:**
through automated
6 port electric valve

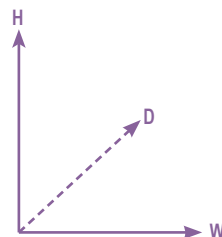
Injection volume:
from 500µL up to 300mL



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)

1 rack /slots for different test tubes capacity:
96 deep well plates, 2.5mL vials....
up to 1 liter bottles & custom racks



W: 14" - 37.0cm
D: 15" - 39.0cm
H: 18" 46.0cm

P/N: LO8850





Interchim® puriFlash® MS

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

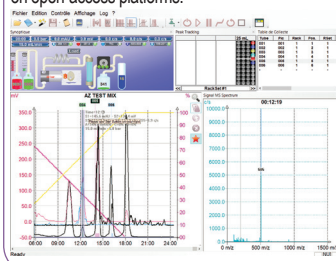
Unique Interchim® design Dynamic split & dilution:

- 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	10 µL/min - 1 mL/min	10µL/min - 1mL/min
Flow rate range APCI	10 µL/min - 2 mL/min	10µL/min - 2mL/min
mass range (m/z)	10 to 1200	10 to 2000
Scan rate (m/z-unites 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-unites per 24 hour period: 18 - 24 °C)	0.1	0.1



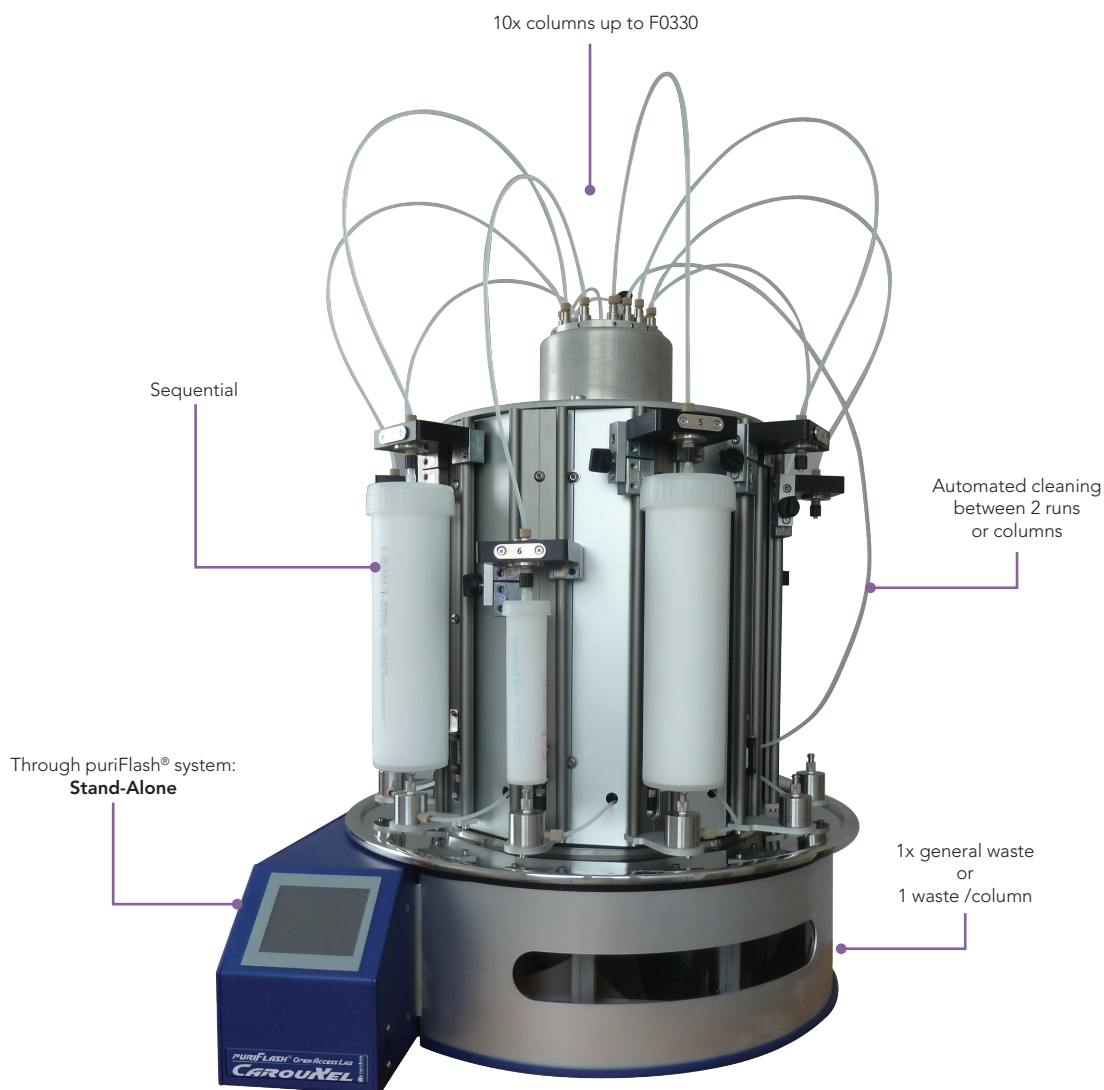
Interchim® puriFlash® MS platform *makes Purification Easier, Intuitive & Productive*





puriFlash® Open Access Lab CarouXel

Increase your productivity



P/N: JO3750



Interchim® RI IOTA 2

Differential refractive Index Detector

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

High stability

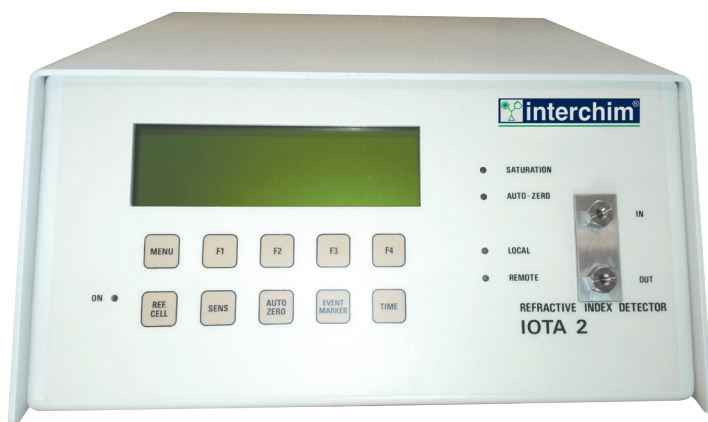
The unique and patented system provides a fully symmetrical in line beam, specifically designed to avoid all external vibration problems.

Fully automatic

Real autozero system, microprocessor control, 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: 940nm
Sensitivity
Range:
1/16. 10-5 to 64. 10-5 Δ RIU in 11 steps
Noise:
10-8 DRIU (analytical), 3.10-6 Δ RIU (preparative)
Time constants: 0; 0.5s; 2s; 5s
Drift: <5.10-7 Δ RIU/h (analytical), 5.10-8 Δ RIU/h (preparative)

Automatic reference cell filling

Linearity
5.10-3 Δ RIU (analytical);
5.10-2 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)



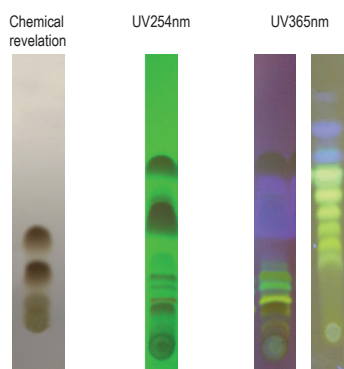
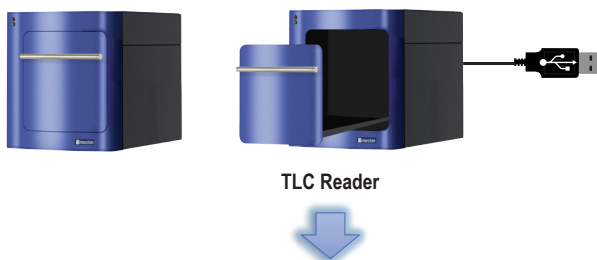
Interchim® TLC reader

Directly linked to the puriFlash®, the TLC reader will make your TLC-Flash transfer faster.

It allows an automatic recognition of compounds, solvent front and deposit line on the TLC thanks to different UV lamps 254nm, 365nm & visible light.

**No more need to circle spots and manually calculate all Rf
=> Save your time and get more precise results**

- Compatible with 5x10cm TLC plate
- Compact module
(Size: W 10cm x D 20cm x H 30cm)
- Fully controlled by the Intersoft® X "Genius"
- Automatic measurement of Rf value
- Automatic Rf transfer on the Intelligent TLC tranposition
- TLC image automatically saved & added in the report or electronic laboratory notebook



Quantity to purify 50 mg Additive

solvent 1 Cyclohexane 50

solvent 2 Dichloromethane 50

RF	Interest compounds	Columns List	Item	Stock Labo
0.93	<input type="checkbox"/>		9F-15SHIP-F0012	(0)
0.8	<input type="checkbox"/>		IR-205-F0012	(0)
0.69	<input checked="" type="checkbox"/>		9F-25SHIP-F0012	(0)
0.62	<input checked="" type="checkbox"/>		9F-30SHIP-F0012	(0)
0.53	<input checked="" type="checkbox"/>		9F-50SHIP-F0012	(0)
0.47	<input checked="" type="checkbox"/>			
0.4	<input checked="" type="checkbox"/>			
0.33	<input type="checkbox"/>			
0.28	<input type="checkbox"/>			

go to purification with parameters :

Dichloromethane 50 %
Cyclohexane 50 %

New CCM (64) proposal(s)

Manual Method

Direct integration of results into Intersoft® X "Genius"



		Cond.	PF-XS 520Plus	PF-5,020	PF-5,020-5X	PF-5,050	PF-5,007	PF-5,125	PF-5,250	PF-5,400	PF-5,125P	PF-5,250P
Detector												
FJ6720	Manometer ELSD	1u		x	x	x		x	x	x	x	x
1H3490	Compressor for integrated ELSD without quiet cover	1u		x	x	x		x	x	x	x	x
Valves												
AYHDV0	Purge Valve+kit (for Flash configuration) for PF Gen5	1u		x	x	x	x	x	x		x	x
AYHDW0	Purge Valve+kit (for Prep configuration) for PF Gen5	1u				x		x	x	x	x	x
Column Holder												
AYHDX0	Integrated column holder for F0800 Flash column + fitting	1u		x	x	x		x	x			
AYHDY0	Integrated column holder for 50mm ID Prep column + fittings	1u				x		x	x	x	x	x
PF4530	Stand Alone for Flash configuration+kit	1u	x	x	x	x		x	x			
DZ5200	Luer connections kit for Large Columns	1u	x	x	x	x		x	x			
LV8210	Stand Alone for Prep configuration+kit	1u				x		x	x	x	x	x
JV5220	Semi-Prep and Prep Adaptation kit	1u				x		x	x		x	x
Fraction Collector												
AYHDZ0	Extractor with 2 extraction tubes+kit (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
1R8570	Extractor with 2 extraction tubes+kit (for XS)	1u	x									
AYHE00	Funnel Rack for PF Gen5	1u		x	x	x	x	x	x	x	x	x
FI201A	Tygon Tubing SE-200 (OD 14.3mm; ID: 9.5mm),15meters	1u		x	x	x	x	x	x	x	x	x
1R8580	13x73mm rack (for XS)	1u	x									
1R8590	13x100mm rack (for XS)	1u	x									
1R8600	16x150mm rack (for XS)	1u	x									
1R8610	18x150mm rack (for XS)	1u	x									
1R8620	21x150 mm rack (for XS)	1u	x									
1R8630	25x150mm rack (for XS)	1u	x									
1R8640	28x150mm rack (for XS)	1u	x									
1R8650	29.5x200mm rack (for XS)	1u	x									
1R8660	Rack for 250mL Schott bottles (for XS)	1u	x									
AYHE10	13x73mm rack (for PF Gen5)	1u		x	x	x		x	x	x	x	x
AYHE30	13x100mm rack (for PF Gen5)	1u		x	x	x		x	x	x	x	x
AYHE40	16x150mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHE50	18x150mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHE60	21x150mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHE70	25x150mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHE80	28x150mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHE90	29.5x200mm rack (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHEA0	Rack for 250mL Schott bottles (for PF Gen5)	1u		x	x	x	x	x	x	x	x	x
AYHEB0	Tube holding claw 13mm	50u	x	x	x	x		x	x	x	x	x
AYHEC0	Tube holding claw 16mm	50u	x	x	x	x	x	x	x	x	x	x
AYHED0	Tube holding claw 18mm	50u	x	x	x	x	x	x	x	x	x	x
AYHEE0	Tube holding claw 21mm	50u	x	x	x	x	x	x	x	x	x	x
AYHEF0	Tube holding claw 25mm	50u	x	x	x	x	x	x	x	x	x	x
AYHEG0	Tube holding claw 28mm	50u	x	x	x	x	x	x	x	x	x	x
AYHEH0	Tube holding claw 29.5mm	50u	x	x	x	x	x	x	x	x	x	x
BH3901	Tubes 13x100mm	1000u	x	x	x	x		x	x	x	x	x
BX5400	Tubes 16x150mm	1000u	x	x	x	x	x	x	x	x	x	x
AW3842	Tubes 18x150mm	500u	x	x	x	x	x	x	x	x	x	x
1Q5350	Tubes 18x180mm	100u	x	x	x	x	x	x	x	x	x	x
FL1120	Tubes 21x150mm	500u	x	x	x	x	x	x	x	x	x	x
BH3911	Tubes 25x150mm	500u	x	x	x	x	x	x	x	x	x	x
DT8250	Tubes 29.5x200mm	50u	x	x	x	x	x	x	x	x	x	x



		Condi.	PF-XS 520Plus	PF-5.020	PF-5.020-5X	PF-5.050	PF-5.007	PF-5.125	PF-5.250	PF-5.400	PF-5.125P	PF-5.250P
Unit Control												
DV4120	Keyboard AZERTY	1u	x	x	x	x	x	x	x	x	x	x
LO4300	Keyboard QWERTY	1u	x	x	x	x	x	x	x	x	x	x
0A8280	Premium stylus	1u	x	x	x	x	x	x	x	x	x	x
Solvent safety												
DV2760	Safety solvent caps kit (4 units)	1u	x	x	x	x		x	x	x	x	x
JO1620	Safety solvent cap - tubing 3/16"	1u					x					
IO6930	Safety waste cap (with container 5L+filter)	1u	x	x	x	x		x	x	x	x	x
JO4500	Safety waste cap (with container 20L+filter)	1u	x	x	x	x	x	x	x	x	x	x
Loop Injection												
AYHEJ0	100µL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEK0	250µL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHELO	500µL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHETO	1mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEU0	2mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEV0	5mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEW0	10mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEX0	20mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEY0	40mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
AYHEZ0	50mL Stainless Steel Loop with RFID tag	1u			x	x		x	x	x	x	x
Others accessories												
DZ7360	Ballasting kit for 1/8" tubing	5u	x	x	x	x		x	x	x	x	x
DZ7361	Ballasting for 1/8" tubing	1u	x	x	x	x		x	x	x	x	x
FV1290	Ballasting kit for 3/16" and 1/8" tubing	5u					x					
AXF7I0	Magic box Flash (tool box)	1u	x	x								
AXF7K0	Magic box Flash (tool box)	1u			x							
AXF7L0	Magic box Flash (tool box)	1u						x	x			
AXF7M0	Magic box Flash (tool box)	1u									x	
AXF7P0	Magic box Flash (tool box)	1u										x
AXF7S0	Magic box Flash (tool box)	1u					x					
AXF7T0	Magic box Flash (tool box)	1u				x						
AXF7Q0	Magic box Flash (tool box)	1u								x		
AYHF00	Back Pressure Regulator 20psi+kit	1u	x	x	x	x		x	x			
FV1160	Adaptation kit for F0800 & F1600 format column	1u	x									
OC1570	Serial communication cable male/female (3meters)	1u	x									
OC1690	Serial communication cable female/female (3meters)	1u	x									
AYHF20	Trolley	1u	x	x	x	x	x	x	x	x	x	x