



## puriFlash<sup>®</sup> 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<sup>®</sup> 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<sup>™</sup> =>

Your personal Artificial Intelligence, embedded in InterSoft<sup>®</sup> 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:

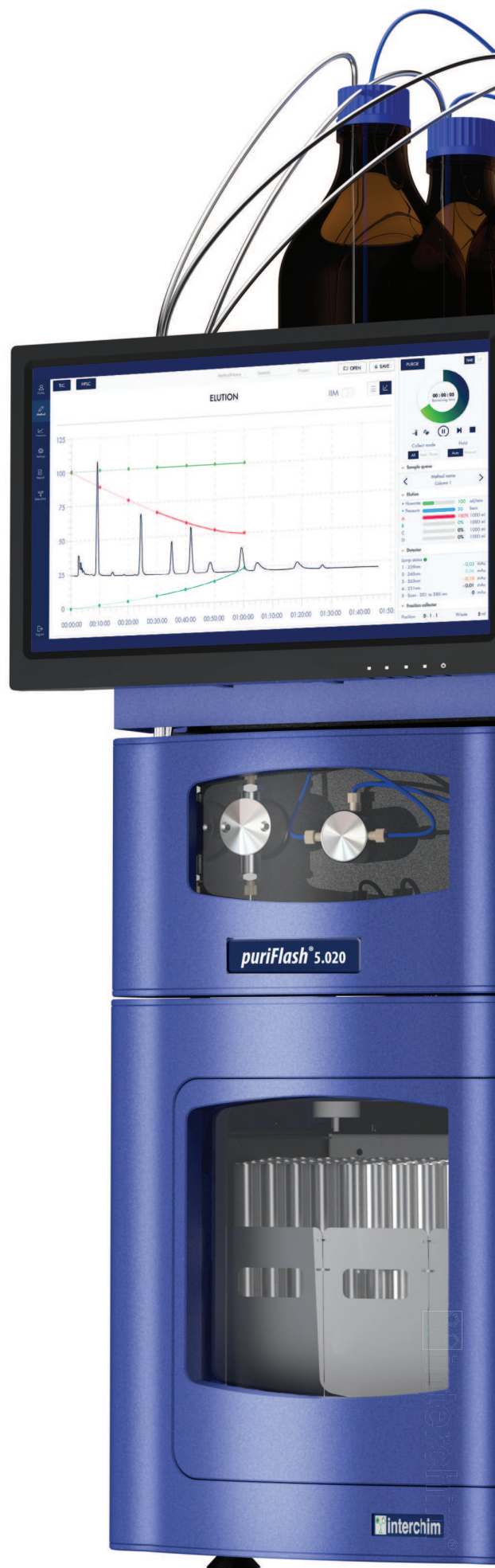
Load your sample liquid or solid through multi-way electrical valve. InterSoft® X "Genius" will manage column equilibration for you, sample loading and system cleaning.

## 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  $R_f$  and  $\Delta CV (= \Delta K)$ .
- 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  $R_f$  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  $\Delta CV$  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>





up to  
50mm i.d.  
Col.

100  
mL/min

20  
bar

## PF 5.020B

### *The proteins specialist*

Pragmatic & Kiss for proteins purification.

Convenient accessibility to protein purification for all types of users.

#### 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

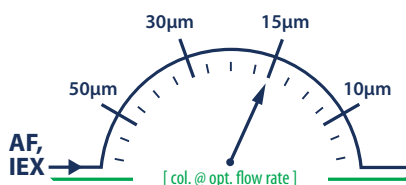
Super loop via external pump

Auto-Sampler

2nd Collector

CarouXel

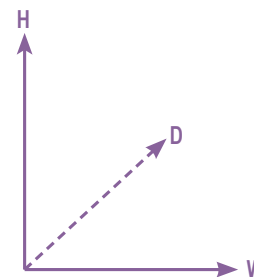
Multi-waste 1 inlet / 6 outlet electrical valve



#### 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

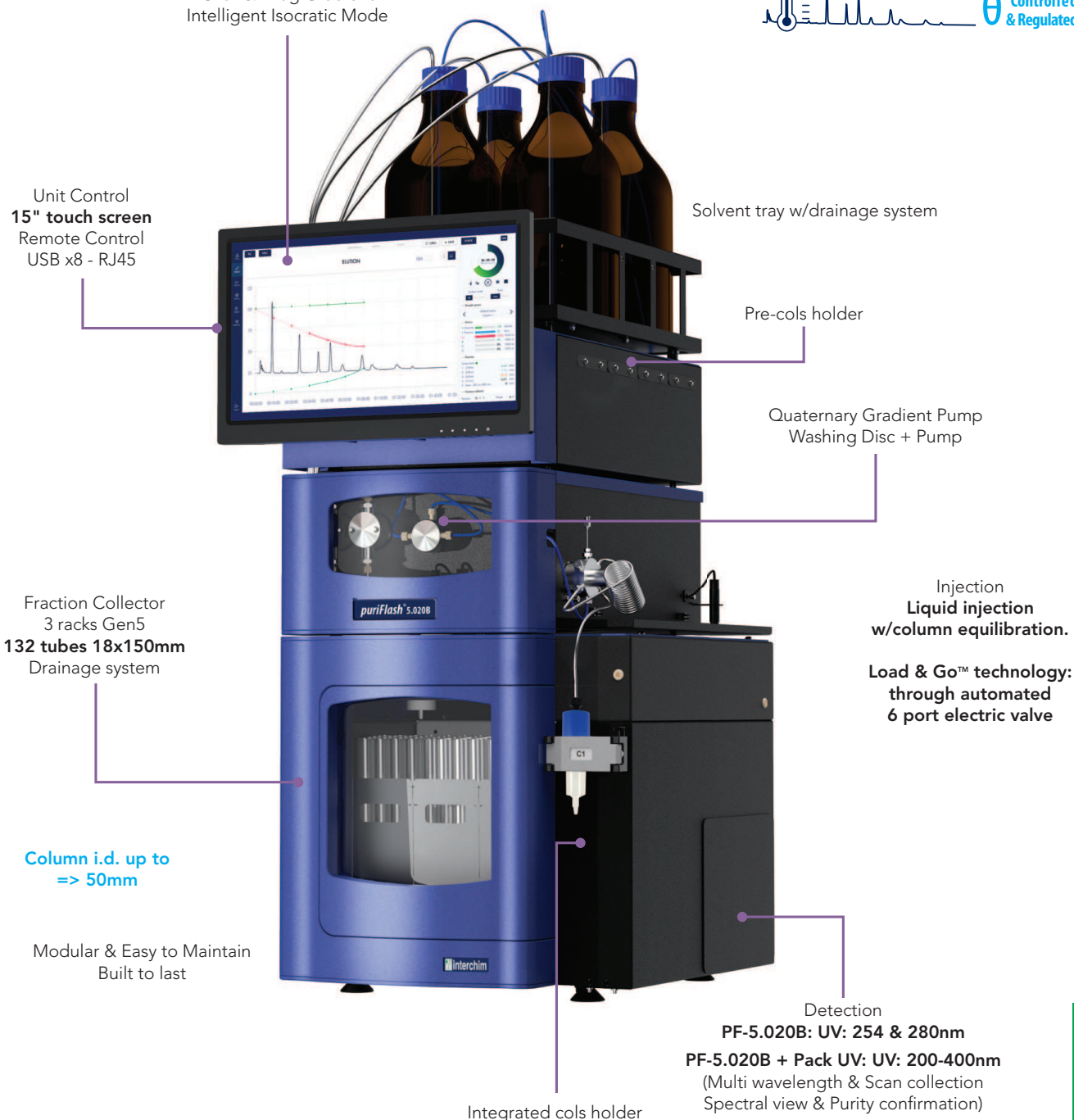
Option pack have to be ordered with the purchase of the instrument.



# 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



P/N: PFG5B0



	Peptides & Oligonucleotides PF-5.125P	Peptides & Oligonucleotides PF-5.250P
<b>Pump</b>		
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
<b>Detector</b>		
UV: 200 - 400nm multi wavelength & scan collection	yes	yes
UV: 200 - 800nm multi wavelength & scan collection	<a href="#">pack-UVextended</a>	<a href="#">pack-UVextended</a>
Spectral view & purity confirmation	yes	yes
iELSD Detection (option pack)	<a href="#">pack-iELSD</a>	<a href="#">pack-iELSD</a>
pH/Conductimeter	no	no
<b>Injection</b>		
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
<b>Column Selection valve</b>		
14 port /6 position electrical valve	no	no
6 port electrical valve	<a href="#">pack-Multi</a>	<a href="#">pack-Multi</a>
<b>System Optimization</b>		
Tubings	1.0mm id	0.75mm id
Flow cell-optical length	1.3mm / 55µL	1.3mm/55µL
<b>Columns Holder</b>		
Integrated	yes	yes
Pre-column holder	yes	yes
<b>Fraction Collector</b>		
Regular Collector	3 racks Gen5 132 tubes 18x150mm	3 racks Gen5 132 tubes 18x150mm
<b>Unit control</b>		
Touch screen 15"	yes	yes
USB	8	8
RJ45	yes	yes
<b>Software</b>		
Interchim® soft X "Genius"	yes	yes
Interchim® soft ver. 5.1	no	no
<b>Safety</b>		
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
<b>Size</b>		
	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm	W: 15.75" - 40cm D: 20.0" - 51cm H: 29.5" - 75cm

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Proteins Purification PF-5.020B	
100mL/min	
20bar	
yes	
no	
yes	
yes	
254nm & 280nm	
200-to-400nm as an option*	
no	
* 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	

