



User-Friendly / Techno-Quality
puriFlash[®] ***XS 420***⁺
Compact / Affordable



Concentrate of our expertise, it designed to exceed chemist today's requirement.
The puriFlash XS420 will make your Purification Easier, Intuitive & Productive.



puriFlash[®] XS 420⁺

Run 24/7 with CONFIDENCE

FOR **ROUTINE PURIFICATION**

Organics Synthesis

Impurities Identification

Natural Products

Traces Enrichment

Metabolites Isolation

Peptides, Oligonucleotides

Bio-Drugs



puriFlash[®] XS 420⁺

4G to 800G for ROUTINE PURIFICATION

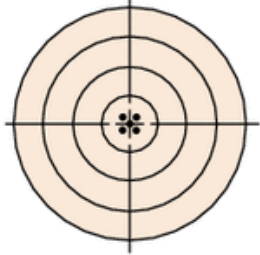
300 ml/min @ up to 20 bar

> 95% Recovery, 1 mAU Threshold

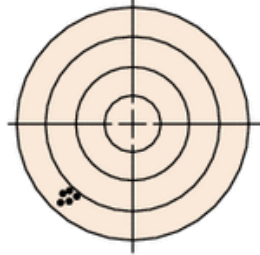
Be confident,
its high quality pump can run applications at up to 300 ml/min & 20 bar. The demanding specifications we setup guarantee, accuracy, repeatability and linearity over the full range. It is suitable for flash columns from F0001 up to F0800 format & Prep LC columns. You will be amazed, achieving accelerated throughput with our dedicated high performance 15 μ m silica flash columns.



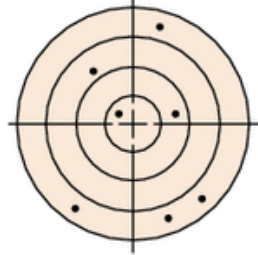
Techno-Quality



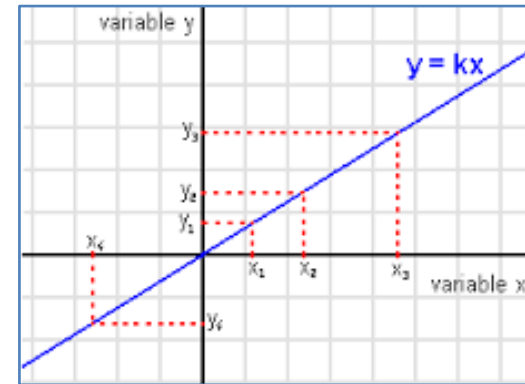
High Accuracy
High Repeatability



Low Accuracy
High Repeatability



Low Accuracy
Low Repeatability



Key Points

- Accuracy
- Repeatability
- Linearity



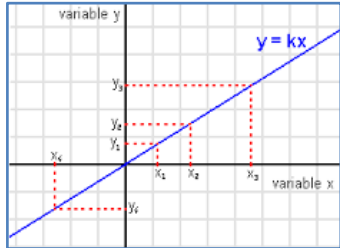
Techno-Quality



Accuracy

Calculation - 5 ml/min up to 300 ml/min

Average Accuracy @ Low Pressure measurement : - 0.41% ✓
Average Accuracy @ High Pressure measurement : + 0.004% ✓



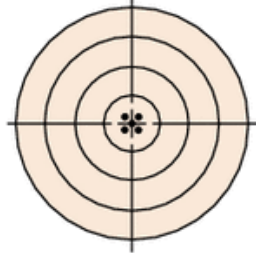
Linearity
over 5 ml/min up to 300 ml/min

Linearity @ Low Pressure measurement : 0,9999846 ✓
Linearity @ High Pressure measurement : 0,999986642 ✓

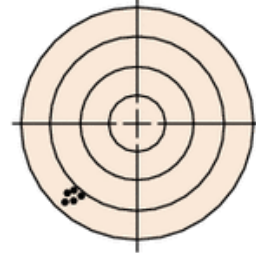


Techno-Quality

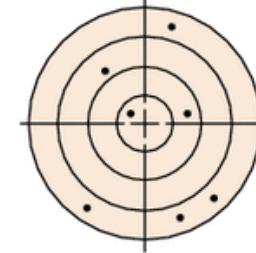
Repetability



High Accuracy
High Repeatability



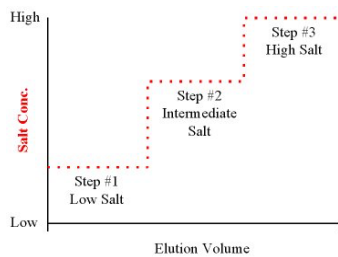
Low Accuracy
High Repeatability



Low Accuracy
Low Repeatability

Repetability @ Low Pressure measurement : < 0.250 ✓

Repetability @ High Pressure measurement : < 0.250 ✓



Gradient Tolerance
over 5 ml/min up to 300 ml/min

Better than current $\pm 3.5\%$ ✓



Compact & Comfortable in use

15" - Touch Screen

14" - 35.5 cm

**The smallest footprint
currently on the market**

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

" Let your fume-hood free for Chemistry "



Techno-Quality

Keep it Simple, Smart

Interchim Software ver 5.1
User-Friendly
Click & Drag Gradient
AGO

15" Touch Screen
Windows 10 Pro
Remote Control
USBx4

Initial waste
(to avoid cross contamination
w/ previous run)

2 racks
112 standard tubes 18 x150mm
Drainage system

Modular & Easy to Maintain
Built to last



Integrated solvent tray w/drainage system

Liquid or Solid injection
Dry-load w/column equilibration

PF-XS420 – Binary Gradient
PF-XS420+ – Quaternary Gradient + Air
PF-XS420 Ultra – Quaternary Gradient + Air

PF-XS420 – UV: 200-400 nm
PF-XS420+ – UV: 200-400 nm
PF-XS420 Ultra – UV: 190-840 nm

Direct access to UV lamp & flow cell

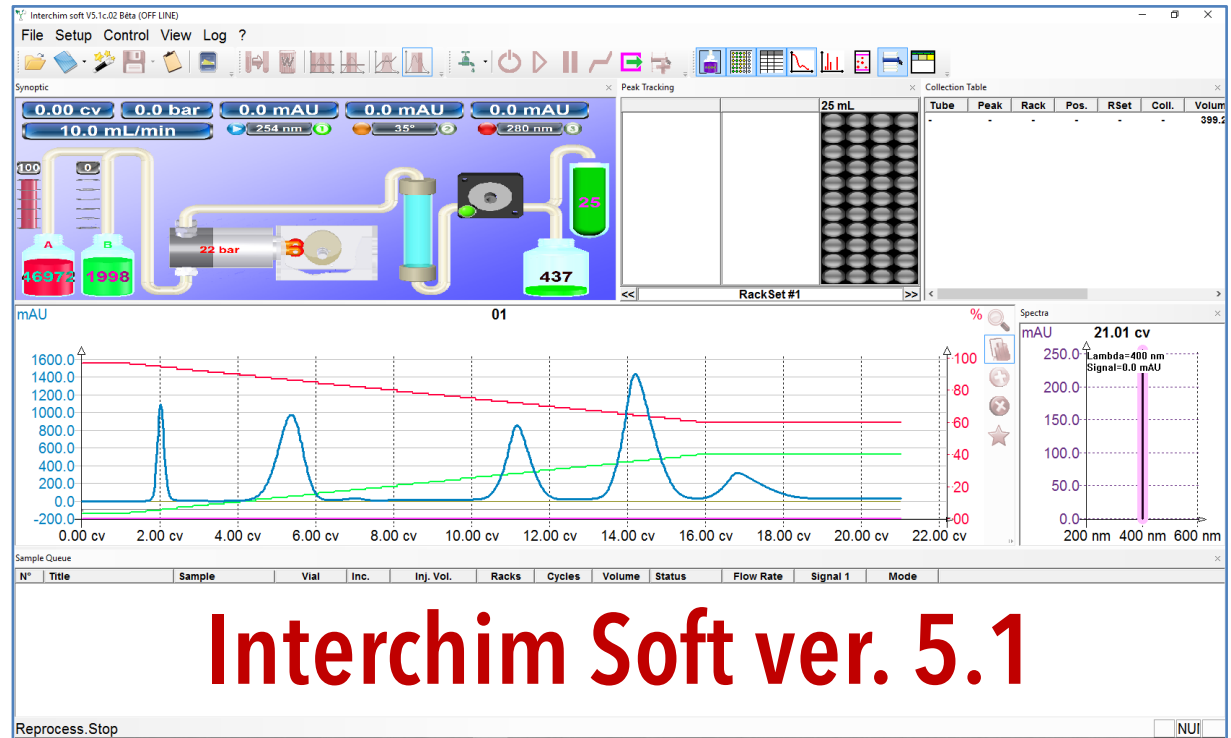
Integrated column holder

up to F0800 format

interchim®

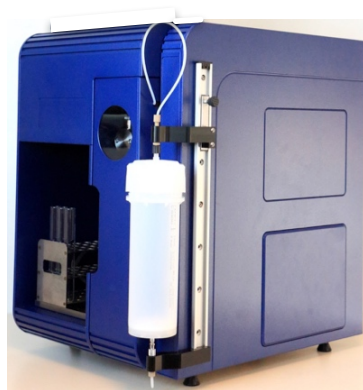
User-Friendly

Click & Drag Gradient
Customizable User profile
Sample Q
Wizard
AGO
Real Time UV Spectral
Remote Control
All wave length collection
One Screen to program & control all function



Techno-Quality

XS 420



2 solvents - Binary
UV : 200-400 nm + Scan
No PC
(licence included)
Fume Enclosure Ready-to-use

XS 420^{Plus}



4 solvents - Quaternary + Air
UV : 200-400 nm + Scan
PC
Fume Enclosure Ready-to-use

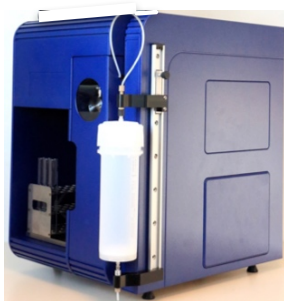
XS 420^{Ultra}



4 solvents - Quaternary + Air
UV : 190-840 nm + Scan
Electrical injection valve
PC
Fume Enclosure Ready-to-use

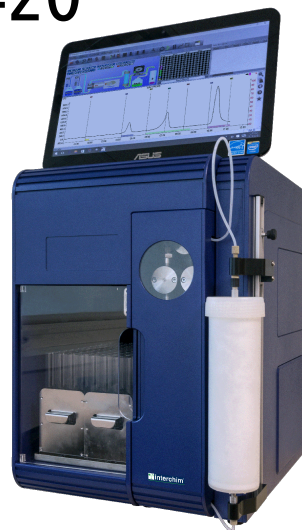
Affordable

XS 420



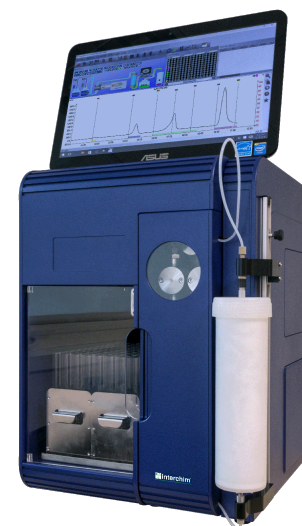
220v - P/N : 1R5870
110v - P/N : 1R5871

XS 420⁺



220v - P/N : 1R1070
110v - P/N : 1R1071

XS 420^{Ultra}



220v - P/N : 1R5880
110v - P/N : 1R5881



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4G to 800G FOR **ROUTINE PURIFICATION**

300 ml/min @ up to 20 bar

> 95% recovery, 1 mAU Threshold

15"-TOUCH SCREEN

14"-35.5 CM WIDTH





Being Proud to be Interchim

