Advion Interchim scientific®

puriFlash® XS 530

Compact size, advanced technology

Flash and semi-prep in one compact system.

Flash & Go | Load & Go | Boost & Go | Flow 300 mL/min | Max. pressure 30 bar

Components

Control unit
Pump
UV detector
Fraction collector
Solvent tray with drainage system
Integrated column holder
Stainless steel needle with connection (54 mm)

Pump

Flow rate range: 1 mL/min to 300 mL/min
Max. operational flow rate: 300 mL/min
Optimum flow rate for columns up to F0800 format
Flow rate accuracy: +/- 2 % over 20 to 250 ml/min & 5 to 16 bar
Flow rate repeatability: < 0.25
Flow rate linearity: 0.98 < linearity < 1
Pressure range: 0 to 30 bar
Max. operational pressure: 30 bar
Quaternary gradient valve
Gradient tolerance step: < 3.5 %
Air purge

Injection

Injection mode: liquid or solid

"Load & Go" technology: staggered Dry-Load for even more efficient injections automated via a 4-ports electric valve (included in the Pack 4 ways electrical valve + kit for PF-XS530)

Detection

UV detector 200-400 nm
UV detector 200-800 nm (included in the Pack-UVextended)
"DAD" technology
Multi-wavelength and scan collection over a band of 200 nm (or 600 nm with the Pack-UVextended)
Spectral visualization and confirmation of purity
Flow cell pathway: 0.1 mm / 40µL

Column & holder compatibility

Normal phase (NP)
Particle sizes: 10 µm, 15 µm, 25 µm, 30 µm, 40 µm , 50 µm
Reverse phase (RP)
Particle sizes: 10 µm, 15 µm, 30 µm, 50 µm

Format: all Flash columns up to F3000 format are compatible (with stand alone option for columns up F0330 format)
Only 20 mm and 30 mm ID preparative columns are compatible

Integrated column holder

Fraction collector

Capacity:
- 2 long racks
- 112 test tubes (18 x 150 mm)

Technology:
- Automatic cleaning of the fraction collector needle (to avoid cross-contamination with the previous purification)

Proposed racks

Delivery includes a choice of 2 racks from the following list:
- Rack for test tubes:
  13 x 73 mm | 13 x 100 mm | 16 x 150 mm
  18 x 150 mm | 21 x 150 mm | 25 x 150 mm
  28 x 150 mm | 29.5 x 200 mm
- Rack for 250 mL Schott bottles

Available additional accessory:
- Rack for funnels (in option)

Software & control unit

Control via ClearPeak™ software included:
- Genius, Artificial Intelligence
- "Flash & Go"™ technology: compatible with our smartphone app "TLC to Flash & Prep"
- "Boost & Go"™ technology

Windows 10
Remote control
Touchscreen 15"
6 USB ports
4 RS232 ports
1 RJ45 port
Bluetooth/Wi-Fi

System optimization

Tubing after pump: 1.6 mm internal diameter
Flow cell pathway: 0.1 mm / 40 µL

Safety

Solvent tray with drainage system
Retention tray in the pump
Retention tray with drainage system in the fraction collector
"Fume Enclosure" technology (allows the use of the purification system without a hood).

Materials in contact with solvents

ETFE
PTFE
316 L Stainless steel
Hastelloy
PEEK
Kalrez
Sapphire
Ruby
Kel-F
Zirconium
PPS
Nitronic 60
Borosilicate glass

Accessories box

2 long racks
PEEK needle
Adapter ETFE luer male ¼-28 male
250 mL Schott bottle
Adapter for 250 mL schott bottle
TYGON tubing with tee for drainage system
...

Accessories box

UV cell test
Stylus with its clip
General power cable (model according to the country of destination)
Unit control power cable (model according to the country of destination) - present on the system
ESD tubing 1/8" injection valve port 2 to injection valve port 1 *(only in the Pack 4 ways electrical valve + kit for PF-XS530)*
Compliance report

Communication

Communication cable Sub-D9 male/female
Communication cable Sub-D9 female/female

Power supply

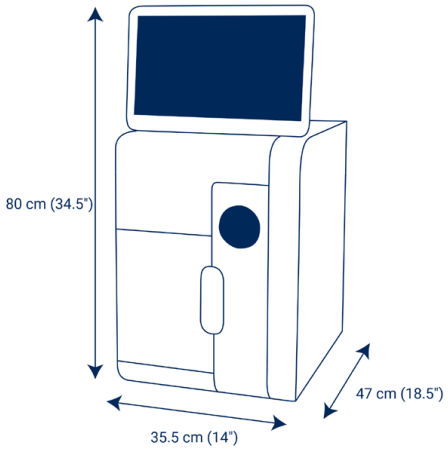
110 V or 220 V

Certification

CE, TUV, ROHS

Dimensions & Weight

Weight: 29 kg



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