



## 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:  $\pm 2\%$  over 20 to 250 mL/min & 5 to 16 bar  
Flow rate repeatability:  $< 0.25$   
Flow rate linearity:  $0.98 < \text{linearity} < 1$   
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 DryLoad 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 / 40  $\mu$ L

### Column & holder compatibility

Normal phase (NP)  
Particle sizes: 10  $\mu$ m, 15  $\mu$ m, 25  $\mu$ m, 30  $\mu$ m, 40  $\mu$ m, 50  $\mu$ m  
Reverse phase (RP)  
Particle sizes: 10  $\mu$ m, 15  $\mu$ m, 30  $\mu$ m, 50  $\mu$ m

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

Fraction collector	<p>Capacity:</p> <ul style="list-style-type: none"> <li>• 2 long racks</li> <li>• 112 test tubes (18 x 150 mm)</li> </ul> <p>Technology:</p> <ul style="list-style-type: none"> <li>• Automatic cleaning of the fraction collector needle (to avoid cross-contamination with the previous purification)</li> </ul>
Proposed racks	<p>Delivery includes a choice of 2 racks from the following list:</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Rack for 250 mL Schott bottles</li> </ul> <p>Available additional accessory:</p> <ul style="list-style-type: none"> <li>• Rack for funnels (in option)</li> </ul>
Software & control unit	<p>Control via InterSoft® X software included:</p> <ul style="list-style-type: none"> <li>• Genius, Artificial Intelligence</li> <li>• "Flash &amp; Go"™ technology: compatible with our smartphone app "TLC to Flash &amp; Prep"</li> <li>• "Boost &amp; Go"™ technology</li> </ul> <p>Windows 10 Remote control Touchscreen 15" 6 USB ports 4 RS232 ports 1 RJ45 port Bluetooth/Wi-Fi</p>
System optimization	<p>Tubing after pump: 1.6 mm internal diameter Flow cell pathway: 0.1 mm / 40 µL</p>
Safety	<p>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).</p>
Materials in contact with solvents	<p>ETFE PTFE 316 L Stainless steel Hastelloy PEEK Kalrez Sapphire Ruby Kel-F Zirconium PPS Nitronic 60 Borosilicate glass</p>
Accessories box	<p>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 ...</p>

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
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Power supply	110 V or 220 V
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Certification	CE, TUV, ROHS
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Dimensions & Weight	Weight: 29 kg
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