



puriFlash[®] XS 520 Plus

Small but mighty

Optimized for your routine Flash purification



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 20 bar
 Max. operational pressure: 20 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-Ultra)

Detection

UV detector 200-400 nm
 UV detector 200-800 nm (included in the Pack-Ultra or in the Pack-UVextended)
 "DAD" technology
 Multi-wavelength and scan collection over a band of 200 nm (or 600 nm with the Pack-UVextended or the Pack-Ultra)
 Spectral visualization and confirmation of purity
 Flow cell pathway: 0.3 mm / 40µL

Column & holder compatibility

Normal phase (NP)
 Particle sizes: 15 µm, 25 µm, 30 µm, 40 µm, 50 µm
 Reverse phase (RP)
 Particle sizes: 15 µm, 30 µm, 50 µm
 Format: all Flash columns up to F0330 format are compatible
 Integrated column holder



Fraction collector	<p>Capacity:</p> <ul style="list-style-type: none"> • 2 long racks • 112 test tubes (18 x 150 mm) <p>Technology:</p> <ul style="list-style-type: none"> • Automatic cleaning of the fraction collector needle (to avoid cross-contamination with the previous purification)
Proposed racks	<p>Delivery includes a choice of 2 racks from the following list:</p> <ul style="list-style-type: none"> • 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 <p>Available additional accessory:</p> <ul style="list-style-type: none"> • Rack for funnels (in option)
Software & control unit	<p>Control via InterSoft® X software included:</p> <ul style="list-style-type: none"> • Genius, Artificial Intelligence • "Flash & Go"™ technology: compatible with our smartphone app "TLC to Flash & Prep" • "Boost & Go"™ technology <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: 0.3 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

Metal protection for cables
UV cell test
Mouse
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-Ultra)
Compliance report

Communication

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

Power supply

110 V or 220 V

Dimensions & Weight

Weight: 36 kg

