



puriFlash® 535-XL

Small but mighty

Optimized for your purifications on a grand scale



Flash
& Go



Boost
& Go



Flow
400 mL/min



Max. pressure
35 bar

Components

Control unit
Pump
UV detector
Fraction collector
Solvent tray with drainage system
Integrated column holder (*included in the Pack-ColHolder*)
Stainless steel needle with connection (54 mm)

Pump

Flow rate range: 10 mL/min to 400 mL/min
Max. operational flow rate: 400 mL/min
Optimum flow rate for columns up to F1600 format
Flow rate accuracy: +/- 2 % over 20 to 320 mL/min & 5 to 28 bar
Flow rate repeatability: < 0.25
Flow rate linearity: 0.98 < linearity < 1
Pressure range: 0 to 35 bar
Max. operational pressure: 35 bar
Quaternary gradient valve
Gradient tolerance step: < 3.5 %
Air purge

Injection

Injection mode: liquid or solid

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: 0.3 mm / 40 µL

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: 15 µm, 30 µm, 50 µm

Format: all Flash columns up to F0330 format are compatible

Integrated column holder (*included in the Pack-ColHolder*)

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 • Rack for funnels (not available with choice of device)
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 & 2.4 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 - ID=1.6 mm 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
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

