



## puriFlash® 5.400

### Step into Ultra Purification

Optimized for your ultra-preparative purifications



Flash  
& Go



Load  
& Go  
(Pack Ultra)



Boost  
& Go



Flow rate  
125 ml/min



Max. pressure  
400 bar

#### Components

Control unit  
Pump  
UV detector  
Fraction collector  
Solvent tank  
2 integrated column supports  
2 integrated dry load mounts

#### Pump

Flow rate : 125 mL/min  
Optimum flow rate for columns up to 60 mm internal diameter  
Max. pressure: 400 bar  
Quaternary gradient valve  
Air vent  
Wash discs  
*Wash pump for water circulation to prevent crystalline deposits on the pump pistons (included in the PWD pack)*  
Solvent heater (under development)

#### Injection

Injection mode: liquid or solid  
"Load & Go" technology: with automatic 10-way valve that allows the use of staggered dry load or loops for a more efficient injection  
RFID technology: automatic detection of the dry loads and the injection loops  
Stainless steel injection loops

#### Detection

UV detector 200-400 nm  
UV detector 200-800 nm (included in the UVextended pack)  
"DAD" technology  
Multi-wavelength and scan over a band of 200 nm (or 600 nm with the UVextended pack)  
Spectral visualization and confirmation of purity  
1.0 mm optical path cell  
*Integrated ELSD detector (included in the iELSD pack)*

#### Compatibility of columns and support

Particle sizes: 2.6 µm, 5 µm, 10 µm, 15 µm +  
Format: all Flash and preparative columns up to an internal diameter of 60 mm and the analytic columns with a diameter of 4.6 mm are compatible  
2 integrated column supports  
RFID technology: automatic detection of the columns during insertion

## Fraction collector

Content:

- 3 racks
- 132 tubes (18 x 150 mm)

Technology:

- Drainage system for the fraction collector
- Automatic cleaning of the fraction collector needle (to avoid cross-contamination with the previous purification)
- RFID technology: automatic detection of the racks installed in the collector

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## Proposed racks

Delivery includes 3 selected racks from the list below:

- Rack for 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 Schott laboratory bottles 250 mL
- Rack for funnels

Position of the numbered tubes (to facilitate identification of the tubes)

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## Software and control unit

Controlled by InterSoftX® software

Remote control

15" touchscreen

8 USB ports

"Flash & Go" technology: compatible with our smartphone app TLC to Flash & Prep

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## System optimization

Tubes with 0.75 mm internal diameter

Optical path length detection cell: 1.0 mm / 20 µL

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## Safety

Level detector for solvents

Retention tank for solvents on the pump and valves with leak detectors (pump, UV detector, valves and collector)

Collector with drainage system

"Fume Encloser" technology (allows use of the purification system without the extractor hood)

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## Communication

Network cable RJ45

Communication cable Sub-D9 male/female

Communication cable Sub-D9 female/female

8 USB ports

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## Dimensions

