



puriFlash® 5.015-XL

Proven reliability & robustness

Optimized for your purifications on a grand scale



Flash
& Go



Boost
& Go



Flow rate
825 mL/min



Max. pressure
15 bar

Components

Control unit
Pump
UV detector
Fraction collector
Solvent tray with drainage system
Integrated column holder (included in the Pack-Process)
Integrated Dry-Load holder (included in the Pack-Process)

Pump

Flow rate range: 10 mL/min to 825 mL/min
Max. operational flow rate: 825 mL/min
Optimum flow rate for columns up to F3000 format
Flow rate accuracy: +/- 2 % over 100 to 750 mL/min & 5 to 12 bar
Flow rate repeatability: < 0.25
Flow rate linearity: 0.98 < linearity < 1
Pressure range: 0 to 15 bar
Max. operational pressure: 15 bar
Quaternary gradient valve
Gradient tolerance step: < 3.5%
Washing disks

Injection

Injection mode: liquid or solid
RFID technology: automatic detection of the Dry-Load (included in the Pack-Process)

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 / 80 µL

Column & holder compatibility

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

Format: all Flash columns up to F1600 format & Dry-Load up to F0330 format are compatible

Integrated column holder (included in the Pack-Process)
Integrated Dry-Load holder (included in the Pack-Process)

RFID technology: automatic detection of the columns (included in the Pack-Process)

Fraction collector	<p>Capacity:</p> <ul style="list-style-type: none"> • 3 racks • 42 tubes (29,5 x 200 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) • RFID: automatic detection of the racks installed in the fraction collector
Proposed racks	<p>Delivery includes a choice of 3 racks from the following list:</p> <ul style="list-style-type: none"> • Rack for test tubes: 16 x 150 mm 18 x 150 mm 18 x 180 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) <p>Position of the numbered tubes (to facilitate identification of tubes)</p>
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" 8 USB ports 2 RJ45 ports Bluetooth/Wi-Fi key</p>
System optimization	<p>Tubing after pump: 2.4 mm internal diameter Flow cell pathway: 0.3 mm / 80 µL</p>
Safety	<p>System light status Solvent tray with drainage system Level sensor for solvents and waste Retention tray for Dry-Load holder (included in the Pack-Process) Retention tray with leak detectors in the pump, UV detector & 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

Tubing with fitting & ferrules:

- Tygon tubing for solvent tray drainage
- Level sensor tubing (x5)
- Suction tubes (x4)
- ETFE tubing 1/8" mixing chamber to column C1 inlet (not included in the Pack-Process)
- ETFE tubing 1/8" mixing chamber outlet to Dry-Load inlet (only in the Pack-Process)
- ETFE tubing 1/8" Dry-Load outlet to column inlet (only in the Pack-Process)
- ETFE tubing 1/8" fraction collector outlet to waste
- ETFE tubing 1/8" draining for fraction collector

Cables:

- RFID cable (only in the Pack-Process)
- USB/USB cable- unit control to fraction collector
- Power cord - screen to fraction collector
- HDMI cable - screen to unit control
- USB/MINI USB cable - screen to unit control
- LED'S cable - unit control to fraction collector
- Communication cable Sub-D9 male/female (1 m) - unit control to fraction collector
- Communication cable Sub-D9 male/female (0.5 m) - unit control to pump
- Communication cable Sub-D9 female/female (1 m) - unit control to UV detector
- Power cord - pump to fraction collector + unit control to fraction collector (x2)
- General power cable (model according to the country of destination)

Support for C1 column base (only in the Pack-Process)

Solvent tray

Clips P

Screw CHC M4x8

Grower M4 (x3)

Stylus with its clip

UV cell test

Rear fastening (x2)

Screws BHC 4x10 (x2)

UV trapdoor

ELSD trapdoor

Racks (x3)

Compliance report

Communication

Communication cable Sub-D9 male/female (1 m) - unit control to fraction collector

Communication cable Sub-D9 male/female (0.5 m) - unit control to pump

Communication cable Sub-D9 female/female (1 m) - unit control to UV detector

Power supply

110 V or 220 V

Dimensions & Weight

Weight : 49 kg

