



Non-contractual picture.
System delivered without pump door.

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 ClearPeak™ 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
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Power supply	110 V or 220 V
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Dimensions & Weight	Weight : 49 kg
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