



Mass spectrometers puriFlash® MS; MS-HWM & MS Splitter

Our multifunctional and compact mass spectrometers
& our MS Splitter for perfecting your purification platform

Characteristics

Source ESI, APCI or APCI/ASAP (Optional)
A single analysis for positive and negative ion mode
Flow ESI: 10 µL/min to 1 mL/min
Flow APCI: 10 µL/min to 2 mL/min
Flow ASAP: 10 µL/min to 2 mL/min
puriFlash® MS range: 10 to 1200 m/z
puriFlash® MS-HWM range: 10 to 2000 m/z
Acquisition frequency per second 10,000 m/z
Sensitivity (ESI) 10 pg reserpin (FIA – injection of 5 µL to 100 µL/min) S/N: 100/1 (RMS)
with SIM of m/z 609.3
Accuracy +/- 0.1 m/z for the entire acquisition range
Stability +/- 0.1 m/z for a period of 12h (18°C -24°C)
Polarity-change speed: 50 ms

Injection

Direct injection (FIA) or ASAP source
The injection valve on the front side allows direct introduction of the diluted compounds before purification
The target masses are automatically transferred into the purification method for the purpose of collection
Liquid or solid samples can be introduced directly into the source using the ASAP source

Required for the functioning of the system

Nitrogen 60 psi >98 % purity
Gas consumption <10 L/min
Solvent grade LC/MS

MS Splitter

Interchim® Concept
Combined "Split and Dilution" Technology
Compatible with all column sizes
Even with a high flow, no counterpressure is generated
Dilution after split to adjust the quantity entering the source and to avoid system saturation

Software

Entirely controlled via the ClearPeak™ Software
Automatic and standardized scale for every signal (MS, UV, DEDL) up to 6 detection channels
Real-time mass spectrum
Mass spectrum at a given time

Communication	Mass : connection to puriFlash® via USB MS Splitter : connection to puriFlash® via RS-232 cable
Power supply	Voltage to ground : 100/240 AC voltage Outlet of choice : UK, Europe, USA
Dimensions & Weight	Weight: 15 kg Weight: 32 kg

