



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-HMW 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 Intersoft[®] X 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

