



# 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

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## Power supply

Voltage to ground : 100/240 AC voltage  
Outlet of choice : UK, Europe, USA

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## Dimensions & Weight

Weight: 15 kg | Weight: 32 kg

