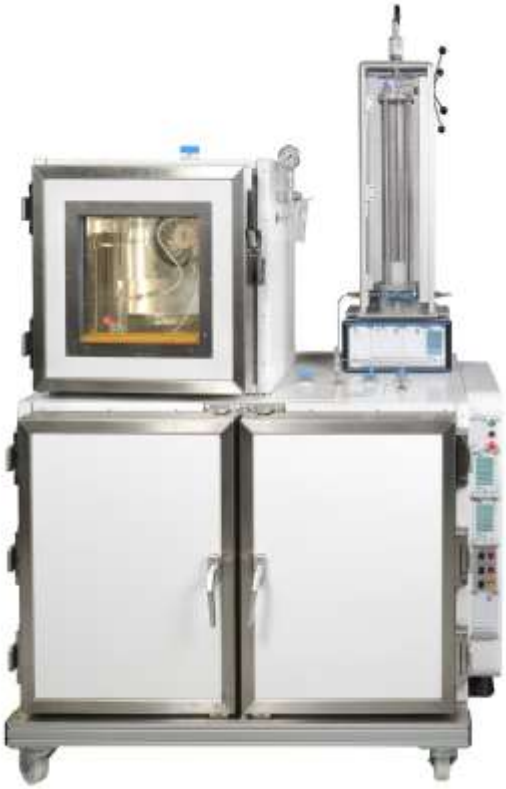
Mercury Free Spike Flash



General Features

The Spikeflash instrument is designed to allow for the safe flashing of pressurized samples to atmospheric pressure at elevated temperature whilst allowing the collection of both the liquid and gaseous phases for further evaluation. The Spikeflash unit consists of two temperature controlled Air baths (a Separation Oven and a Coil Oven), a temperature controller Enclosure, a Spikeflash flask (for the collection of the liquid phase), stainless steel and copper tubing, various stainless steel valves and a Gasometer.

Specifications	
Double oven: **Separation oven** **Gas storage oven**	Ambient to 100°C
Manual gasmeter	4 litres Vacuum to 2 bar
Buffer coil tubing	12 m, approx. 550 ml
Copper tubing	70 m, approx. 7 500 ml
Micrometric valve	15 000 psi
Flask	50 ml 100 ml

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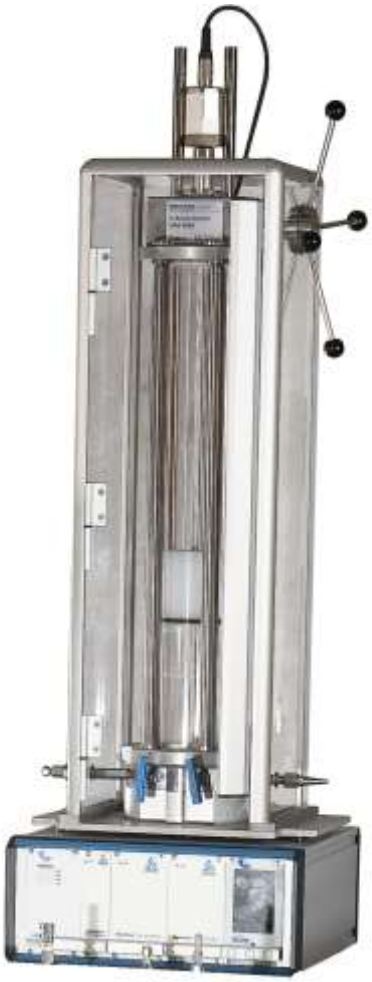
Control board

General Features of the gasmeter

Specifications	
Volume	4000 ml
Pressure	Vacuum to 2 bar
Temperature	Ambient
Volume Accuracy	± 0.1 ml
Pressure Accuracy	± 0.1 mbar
Temperature Accuracy	± 0.1°C



This equipment is composed of following elements :

- Absolute Linear Encoder
- Automatic Moving Piston under 0.2 bar over pressure
- 2 Manual Valves
- Handle Adjusting Piston Position at standard pressure
- Calibrated Glass Tube
- Absolute Pressure sensors

All wetted parts are made of Stainless Steel (ref SS316)
except the tube (Glass) and the piston (Gas Resistant Plastic)

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