

SPECIFICATIONS

Selective Adsorption Analyzer (SAA) 8100



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Gas Inlets:	Up to 6 on standard system, expandable to 12 max.
Gas Compatibility:	Carriers and most analyte and reactive gases, inquire about corrosive gases.
Mass flow Controllers:	Selectable from 1 to 6 MFCs (expandable to 12).
Vapour Source:	Optional.
Gas flow rates:	Typical flow rates 1, 10, 100 ml/min (other configurations available upon request)
Column capacity:	From typical 50mgm to 5 grams on standard columns; expandable.
Columns:	Typically, ¼" standard columns, SS (other configurations available upon request)
Column Temperature:	Ambient temperature to 1050°C +/- 1°C for separations or preparation. Other temperature ranges available upon request.
Pressure Range:	Atmospheric to 30 bar.
System Temperatures:	All blend valves and flow tubing located inside a temperature controlled zone (Hot Box) at up to 200°C, Stability +/- 1°C.
Detectors:	Column outlets can be conveniently sampled by a Mass Spectrometer, Infra-Red or other detectors. MKS Mass. Spec. options available with delivery.
Base unit physical:	79cm (H) 75cm (W) 58cm (D) and 120 Kg weight.
Electrics:	220 VAC standard, frequency 50/60 Hz.

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Environmental:	Operates at 0°C to 40°C and up to 60% Humidity.
Operation:	PC control of all functions, touch screen.
Data analysis:	MicroActive software is included for reviewing the breakthrough curves and calculating quantities adsorbed. This platform also gives users the ability to enter their own data reduction routines with a Python interface.
Compatibility:	Works with MKS software, PID Effi software and Micromeritics MicroActive software on Windows 10 platforms and similar.