

SPECIFICATIONS

FlowSorb III



APPLICABILITY

Surface Area	0.1 m ² (minimum); 280 m ² (maximum)
Specific Surface Area	Approximately 0.01 m ² /g (minimum)

ACCURACY/REPRODUCIBILITY

Low Specific Surfaces	Typically better than ±3% (single point method) ±2% (multipoint method) reproducibility within ±0.5%
Moderate-to-High Specific surfaces	Typically better than ±2% (single point method) ±1.5% (multipoint method) reproducibility within ±0.5%

SYSTEM CAPACITY

Sample Holder Volume	4.8cm ³ ; other sizes available
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PHYSICAL

Dimensions	46.5W x 53H x 30.5D cm (18.3W x 20.9H x 12D in)
FlowSorb III 2305	Weight: 18 kg (40 lbs)
FlowSorb III 2310	Weight: 20 kg (44 lbs)

DEGAS SYSTEM

Temperature Range	Ambient to 350 °C
Selection	Digitally set, 1 °C increments
Accuracy	Deviation less than ±10°C of set point at thermocouple

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ENVIRONMENT

Temperature	15-30°C (59-90°F) operating; 0-50°C (32-122°F) storing and shipping
Humidity	20-80% relative (non-condensing)

ELECTRICAL

Voltage	100,115,230 VAC ±10%
Frequency	50/60Hz
Power	240 VA, operating (maximum)

GASES

Mixtures of helium with nitrogen, argon, krypton, carbon dioxide, ethane, n-butane, and other noncorrosive gases. A mixture of 30% N₂ and 70% He is recommended for singlepoint analysis. Mixtures of He and approximately 5, 12, 18, and 24% N₂ are suggested for multipoint BET use.

**Due to continuous improvements, specifications are subject to change without notice.*