VacPrep 061

micromeritics®

- Description
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Description

The VacPrep Degasser prepares samples for surface area and pore structure analysis. Like

Micromeritics' FlowPrep Degasser, the VacPrep provides a simple, easy-to-use method of preparing samples using the flowing gas method. In addition, the VacPrep offers a vacuum mode which prepares samples by heating and evacuation. The VacPrep thus offers two methods for removing contaminants such as water vapor and adsorbed gases from samples to avoid interference with surface area measurements. The VacPrep features six degassing stations, and a choice of vacuum or gas flow preparation on each of the six stations. This combination allows you to choose the preparation method that is best suited to your material and application. With the VacPrep, contamination of sample during transfer from the degas-to-analysis process is minimized. This greatly enhances reliability of operation and increases precision of results. The VacPrep lets you choose the temperature and preparation technique best suited to your sample

Features

- Choice of vacuum or flow preparation on each of six samples
- Provides flexibility; samples may be evacuated or backfilled independently.
- Vacuum/Temperature Status Display
- Keeps the operator informed of current status.
- Flexible Tubing
- Allows easy transfer of sample tubes to heating block or cooling rack.
- Simplicity of Operation
- Less operator involvement, which reduces errors. Instrument learning curve is short, resulting in lower start-up costs.
- Compact Size
- Conserves laboratory bench space.

Technical Specifications

Sample Tubes: Six, up to 1.9-cm (3/4-in.) OD

HEATING BLOCK
Temperature: Ambient to 400 deg C, with an accuracy of +/-5 deg C

ELECTRICAL
Voltage: 100, 120, 220, 240 VAC +/-10%
Frequency: 50/60 Hz
Power: 200 VA maximum

ENVIRONMENT
Temperature: 10 to 35 deg C operating, 0 to 50 deg C non-operating
Humidity: Up to 90% relative, non-condensing

GASES USED
Helium, nitrogen, argon, or any other gas that does not adsorb at room temperature

FLOW RATE
Up to 50 cm3/min

SAMPLE CAPACITY
Six heating stations and six cooling stations

VACUUM LEVEL
Depends on vacuum pump; typically < 20 µmHg with a high quality vacuum pump

PHYSICAL
Height: 43 cm (16.95 in.)
Width: 36 cm (14.3 in.)
Depth: 30 cm (11.87 in.)
Weight: 10 kg (22 lbs)