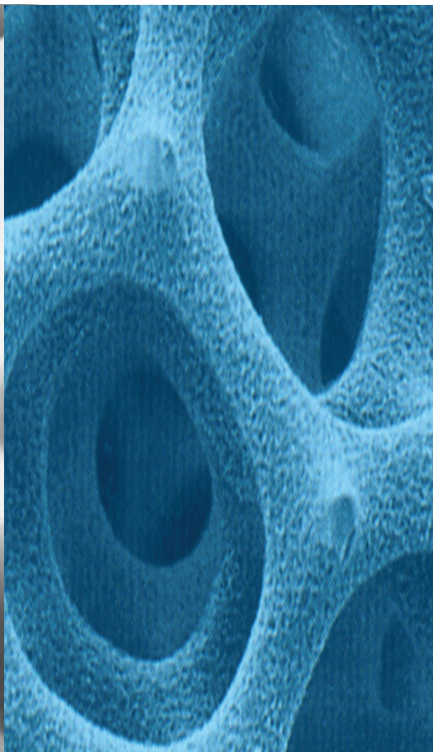
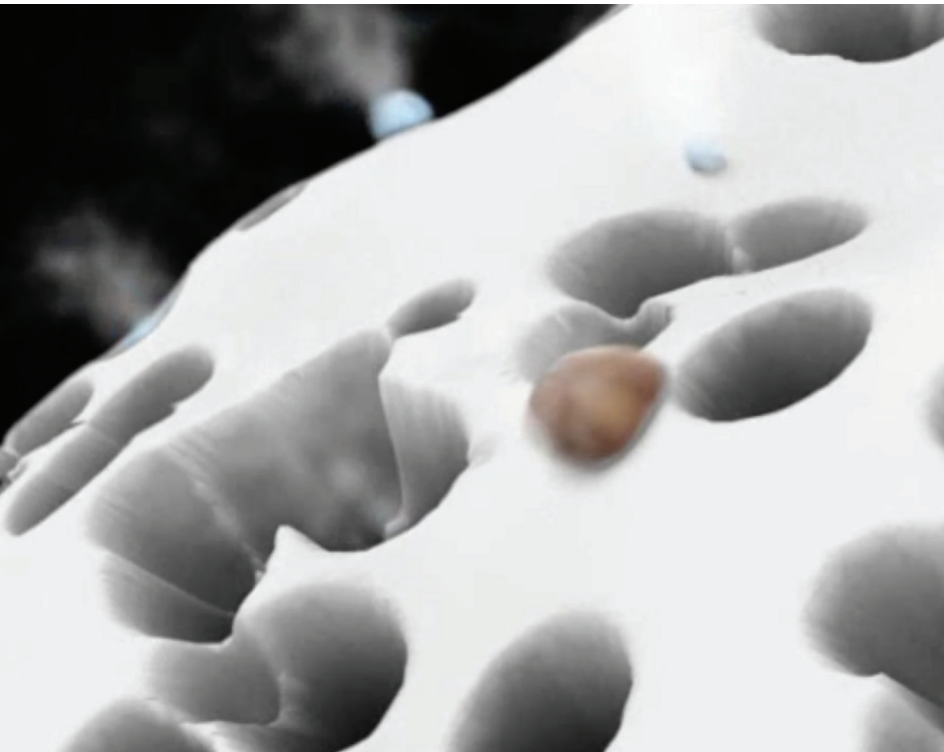


MasterPrep

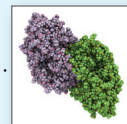
Vacuum and Flow Degasser



DEGASSER



Catalysts



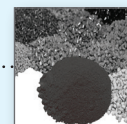
Ceramics



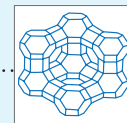
Energy



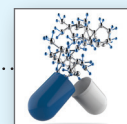
Carbons



Zeolites



Pharma



MasterPrep

Vacuum and Flow Degasser

Specifications:

MasterPrep - Six-Port, Vacuum and Flow Degasser for Surface Area and Pore Size Analysis Sample Preparation.

The **MasterPrep** is designed to provide users of the AUTOSORB, QUADRASORB, NOVA^{touch} and NOVAe Series surface area and pore size analyzers with high-throughput sample preparation capabilities. Each of the six sample preparation ports features an independent furnace and digital temperature control allowing many samples to be simultaneously prepared under different conditions. Operating in either flow or vacuum mode, the **MasterPrep** provides the right sample preparation method for any type of material. Flow and evacuation rates are operator selectable. A six-channel digital temperature controller allows for independent temperature programming (up to 20 steps) on each sample preparation port. Programming may be performed via a Windows® PC interface or directly at the controller. Six separate cooling stations hold samples under flow or vacuum conditions after preparation.

Performance

- Six sample preparation ports.
- Temperature range: ambient to 425°C.
- Flow or vacuum degas modes.
- Independent temperature control for each port.
- Back-fill/purge gas user selectable (typically N₂ or He).
- Automatic trigger between coarse to fine evacuation rates at user specified pressure to prevent powder elutriation.
- Flow rates independently adjusted for each port up to 100 ml/min.
- Six cooling ports.
- Sample ports accommodate 6, 9 and 12 mm sample cell stem diameters for wide range of samples.
- Digital vacuum gauge.

Temperature

- Six-channel temperature controller.
- Temperature programming from Controller or via Windows® PC software.
- User selectable ramp rates and hold times (up to 20 segment profile for each sample port).

- Four-digit display of temperature.
- Password protection.
- Temperature setting +/- 1 °C.
- Accuracy +/- 5 °C.

Environmental

- Ambient temperature: 15 to 40 °C.
- Maximum relative humidity: 80% non-condensing.

Safety

- CE compliant.
- Independent thermal cut-out switch for each port for over-temperature protection.
- Built-in cooling fan.

Electrical

- Voltage 100 - 240 VAC, 50/60 Hz.
- Power 600 VA (excluding vacuum pump).

Utilities Required

- Dry nitrogen (99.99 %) or helium (99.99 %) regulated to 7-10 psig.
- Vacuum pump able to produce 20 milliTorr.

Physical

- Height: 28.6 cm (11.3 in).
- Width: 64.8 cm (25.5 in).
- Depth: 43.2 cm (17.0 in).
- Weight: 20.7 kg (45.5 lb).

Corporate Headquarters-USA
Quantachrome Instruments
a brand of **Anton-Paar**
1900 Corporate Drive
Boynton Beach, FL 33426
www.quantachrome.com

Serving Porous
Materials and Powder
Characterization Needs
Since 1968



Trademarks and registered trade mark are the property of their respective owners.

© 2018 Quantachrome Corporation I09IP002EN-A