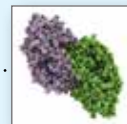


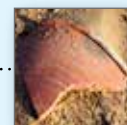
DEGASSER



Catalysts



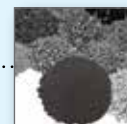
Ceramics



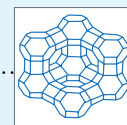
Energy



Carbons



Zeolites



Pharma



## Specifications:

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

The **FloVac™** is designed to provide users of the AUTOSORB, QUADRASORB, NOVA<sup>touch</sup> and NOVAe Series surface area and pore size analyzers with high-throughput sample preparation capabilities. All of the six sample preparation ports share a large heating mantle with a single digital temperature control allowing samples to be simultaneously prepared under similar temperature conditions. Operating in either flow or vacuum mode, the **FloVac™** provides the right sample preparation method for any type of material. Flow and evacuation rates are operator selectable. The digital temperature controller allows for temperature programming (up to 20 steps). 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 350°C (with standard borosilicate sample cells or 400°C with optional quartz sample cells).
- Flow or vacuum degas modes.
- Back-fill/purge gas user selectable (typically N<sub>2</sub> or He).
- Separate valves controlling coarse and fine evacuation rates prevent powder elutriation.
- User adjustable flow rates via needle valve.
- Six cooling ports.
- Sample ports accommodate 6, 9 and 12 mm sample cell stem diameters for wide range of samples.
- Digital vacuum gauge.

### Temperature

- Temperature programming from Controller or via Windows® PC software.
- User selectable ramp rates and hold times (up to 20 segment profile).
- Four-digit display of temperature.
- Password protection.

### Environmental

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

### 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 milli Torr.

### Physical

- Height: 28 cm (11 in) (to top of cabinet).
- Width: 36 cm (14 in).
- Depth: 25 cm (10 in) (excluding connections at rear).
- Weight: 5 kg (11 lb).

Bench space allocation for complete instrument with vacuum pump is 61cm (24in)/51cm (20in).



Renowned innovator for today's porous materials community. The quality of Quantachrome's after sales service support is the reason we are proud to maintain life time relationships with our customers.



### Field Service

Our global service staff assure you that Quantachrome Instruments will continue to be the reliable engines of material characterization laboratories. We offer you the flexibility of choosing from service contracts tailored to provide you with the response time, service package, and spare parts discounts that best fit your needs.



### Spare Parts

Quantachrome spare parts are certified to work with our instruments. We provide rapid response spare parts orders, and keep large inventories of replacement parts and hardware available.



### Application Lab

Our fully equipped, state-of-the-art powder characterization laboratory, LabQMC ([www.labqmc.quantachrome.com](http://www.labqmc.quantachrome.com), or email: [application.qt@anton-paar.com](mailto:application.qt@anton-paar.com)), provides the option of contracting for expert testing services. Laboratory services are also available to validate the applicability of our products prior to your purchase using your actual samples.



### Lifetime Application Support

We view the field support of our instruments as an essential component of our business strategy. Our expert scientists are always available to answer questions on applications, or the use of our instruments. We do this as a standard service regardless of whether you have a service contract with us or not.



### Partners in Science

Quantachrome has a scientific research department consisting of world renowned experts in material characterization. Our staff, led by Dr. Matthias Thommes, conducts collaborative research projects with leading material research labs around the world. They regularly publish articles in leading peer reviewed journals, and speak at technical symposiums around the world.

For almost half a century Quantachrome's scientists and engineers have revolutionized measurement techniques and designed instrumentation to enable the accurate, precise, and reliable characterization of powdered and porous materials. We have an unwavering commitment to providing state of the art technology, along with superior and unparalleled customer service and support.

Our commitment to customers is to support you before, during, and after the sale throughout the lifetime of our instruments. This is a big commitment because our products are so robust and reliable that we regularly find many still in use for decades.

**Corporate Headquarters-USA**  
**Quantachrome Instruments**  
1900 Corporate Drive  
Boynton Beach, FL 33426

[www.quantachrome.com](http://www.quantachrome.com)

Your Local Representative:

Serving Porous  
Materials and Powder  
Characterization Needs  
Since 1968



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