

Vacuum and Flow Degasser

FloVac



The FloVac is a six-station vacuum and flow degassing instrument for preparing surface area and pore size analysis samples.

FIND OUT MORE



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Your way

A cost-effective solution for high-volume sample preparation. Your partner in gas, vapor, and high-pressure adsorption.

- Batteries
- MOFs
- Catalysts
- Hydrogen storage
- Biochar
- Direct air capture
- Carbon storage

Its dual-zone heating and cooling block enables you to degas up to six samples under consistent temperature, while cooling an additional six samples under vacuum or flow.

Highlights

- Sample stations accommodating 6 mm, 9 mm, and 12 mm sample cells (including most non-metric cell sizes)
- User-selectable backfill/purge gas (typically N₂ or He)
- Temperature range: ambient to 425 °C
- Separate valves controlling coarse and fine evacuation rates prevent powder elutriation
- Rapid cooling in the safe cooling zone; slower cooling in the heating zone
- Digital temperature controller and vacuum gauge
- Adjustable flow rates
- Constant-on or programmable ramp-and-hold modes

	FloVac
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Sample ports	6
Temperature zones	2 (ambient and heated)
Degassing methods	Vacuum and flow
Backfill/purge gas	User-selectable (typically N ₂ or He)
Evacuation rates	Coarse and fine to prevent powder elutriation
Flow rates	Independently adjustable for each port up to 100 mL/min
Cooling areas	6
Vacuum gauge	Digital
Temperature control	Digital
Temperature set point	±1 °C
Temperature accuracy	±5 °C (at thermocouple)
Height x width x depth	28 cm (11 in) to top of cabinet x 36 cm (14 in) x 25 cm (10 in) excluding connections at rear
Weight	5 kg (11 lbs)
Voltage	100 VAC to 240 VAC, 50 Hz/60 Hz
CE-compliant	Yes