BSD-VD12
Vacuum Degassing Station

BSD INSTRUMENT
FOCUS ON SORPTION

The VD 12 is a high-performance vacuum degassing system featuring two independent stations with 12 total positions for simultaneous degassing of different sample types. It offers precise temperature control, with a standard setting of 400°C and an accuracy of ±0.1°C, and a user-friendly 32-segment programmable touch-screen controller for easy operation. The system includes both **air-cooled and water-cooled positions** for optimal temperature regulation and utilizes **automatic pressure-controlled pumping** to ensure efficient high-vacuum degassing without sample loss. A built-in pressure sensor monitors degassing completion. An optional cold trap protects both sensitive samples (e.g., MOF, COF) and the vacuum system from contamination by organic reagents. The VD 12 is ideal for precise, simultaneous degassing of multiple samples.

KEY FEATURE

Dual Independent Stations
2 stations, 12 total positions for simultaneous degassing.

Flexible Temperature Settings
Adjustable temps for different sample types.

Precise Control
Standard 400°C, ±0.1°C accuracy.

Automatic Pumping Speed
Pressure-controlled, prevents sample loss, ensures high vacuum.

Touch-Screen Controller
32-segment programmable, visual temperature control.

Cooling Options
Air-cooled & water-cooled degassing positions.

Completion Monitoring
Pressure-based detection of degassing completion.

Cold Trap
Protects samples (MOF, COF) & vacuum system from contamination.

Degas Curve Log
Screen check, record and search of degas curve log

SPECIFICATIONS

Specifications	Details
Stations	2 with independent temperature setting
Sample capacity	12 ports, 6 ports per station
Backfill gas	Helium, nitrogen, argon, or any other pure gas that does not adsorb at room temperature
Heating	-400℃ ±0.1℃ , visual 32 step programmed heating
Cooling	12 air cooling positions
Vacuum system	Mechanical Pump Vaccum Leve 1Pa
Cold trap	Optional
Suitable Analyzers	BSD-660 Series； BSD-PH Series

Comprehensive Solutions of Sorption Characterization