

NitroVap Gas Generators

- ▲ Ideal for any combination of sample evaporators up to 100 nozzle positions
- ▲ Produces clean, dry (to -20°F) dewpoint evaporator grade nitrogen from any standard laboratory compressed air source
- ▲ Accelerates evaporation by decreasing the partial vapor pressure above the solvent liquid
- ▲ Eliminates inconvenient and dangerous LN2 boil-off dewars and nitrogen gas cylinders from the laboratory
- ▲ Recommended and used by many sample concentrator and sample evaporator manufacturers
- ▲ Payback period of typically less than one year
- ▲ Sleep economy mode
- ▲ Silent operation and minimal operator attention required



NitroVap-1LV and NitroVap-2LV

Proven Technology

Parker Balston's NitroVap-1LV and NitroVap-2LV Nitrogen Generators can provide clean, ultra-dry nitrogen to sample evaporators. These systems offer high nitrogen output flows in a miniature cabinet. The user can activate the manual SLEEP economy mode to eliminate compressed air consumption when the sample concentrator is not in use.

Nitrogen Technology

Nitrogen is produced by utilizing a combination of filtration and membrane separation technologies. A high efficiency prefiltration system pretreats the compressed air to remove all contaminants down to 0.01 micron. Hollow fiber membranes subsequently separate the clean air into a concentrated nitrogen output stream and an oxygen enriched permeate stream, which is vented from the system. The combination of these technologies produces a continuous on demand supply of pure nitrogen.



This Technology Features Advanced HiFluxx Fiber!

Gas Generator Benefits

The NitroVap generators are complete systems with state-of-the-art, highly reliable components engineered for easy installation, operation, and long term performance. **The Parker Balston NitroVap-1LV and NitroVap-2LV** eliminate all the inconveniences and cost of LN2 dewar and nitrogen cylinder gas supplies and dependence on outside vendors. Uncontrollable price increases, dewar ice and condensation, contract negotiations, long term commitments, and tank rentals are no longer a concern. With a NitroVap generator, you control your gas supply.

Ease of Use

Since NitroVap generators incorporate unique membrane separation technology, nitrogen delivery is immediate to the sample concentrator. "Lock-it-and-leave-it" operation of the sample concentrator is maintained without downtime and without "running out of gas" mid blow-down.

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Principal Specifications - NitroVap Generators

Nitrogen Purity	Up to 95%
Nitrogen Dewpoint	Down to -20°F (-29°C) atmospheric
Maximum Nitrogen Flow Rate	NitroVap-1LV: 200 slpm NitroVap-2LV: 350 slpm
Electrical Requirements	None
Compressed Air Inlet Pressure	60-150 psig (100 psig suggested)
Nitrogen Outlet Pressure	0 to 125 psig (0 to 8.5 barg) (user controlled)
Dimensions	10.63" w x 14.1" d x 16.5" h (26.92cm x 35.81cm x 41.91cm)
Inlet Port/Outlet Port	1/4" NPT (female)
Shipping Weight	53 lbs/24 kg

Use with These and Other Blowdown Evaporators

TurboVap from Calper-Zymark

N-Evap from Organomation

RapidVap from LabConco

Reacti-Vap from Pierce Biotechnology

Duo-Vap from Jones Chromatography

DryVap from Horizon Technology

Ordering Information for assistance, call 800-343-4048, 8 to 5 Eastern Time

Model	Description
NitroVap-1LV and NitroVap-2LV	NitroVap Nitrogen Generators
MKNITROVAP	Maintenance Kit (Includes 1 each filter cartridge, and 1 each membrane cartridge)
NITROVAP-PM	Preventative Maintenance Contract
NITROVAP-DN2	Extended Support with 24 Month Warranty

