

NitroVap Gas Generators

NitroVap-1LV and NitroVap-2LV

GENERATORS

Description: Airgas® 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.

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 Airgas® NitroVap-1LV and NitroVap-2LV** eliminate cost of LN2 dewar and nitrogen cylinder.

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.



Design Features

- 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
- 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

Principal Specifications

Nitrogen Purity	Up to 90%
Nitrogen Dewpoint	Down to -20°F (-29°C) atmospheric
Maximum Nitrogen Flow Rate	NitroVap-1LV: up to 80 slpm @ 100 psig input up to 140 slpm @ 125 psig input NitroVap-2LV: up to 160 slpm @ 100 psig input up to 287 slpm @ 125 psig input
Electrical Requirements	None
Nitrogen Outlet Pressure	0-15 psig 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



This Technology
Features Advanced
HiFluxx Fiber!

GENERATORS

NitroVap-1LV and NitroVap-2LV

NitroVap Gas Generators Cont.

Ordering Information for assistance, call 1-800-939-5711, 8 to 5 Eastern Time

Model	Description
Y80-NITROVAP1LV and Y80-NITROVAP2LV	NitroVap Nitrogen Generators
Y80-MKNITROVAP	Maintenance Kit (Includes 1 each filter cartridge, and 1 each membrane cartridge)
Y80-NITROVAP1LVPM, Y80-NITROVAP2LVPM	Preventative Maintenance Contract
Y80-NITROVAPDN2	Extended Support with 24 Month Warranty

Available Options

Product Number	Description
*	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
*	Evaporex from Apricot

* Please call 1-800-939-5711 for quotation.

