

Electrical-Heated Regulator

**PRESSURE REGULATOR**

## Nitrogen Generators for LC/MS

### Flow Capacities up to 60 lpm Nitrogen On Demand, Up to 60 slpm

**Description:** The Airgas NitroFlow 60 is a self contained generator that produces up to 60 slpm of pure LC/MS grade nitrogen at pressures of up to 110 psig. Nitrogen is produced utilizing a combination of a scroll compressor and nitrogen membrane separation technologies. This combination of technologies yields the highest performing, most reliable and quietest integrated nitrogen generation system available.

The NitroFlow 60 is also available with an integrated membrane dryer for use with instruments that require dry air, including the chip cube interface from Agilent Technologies.

Typical applications include LC/MS, nebulizer gases for APCI and ESI, Jet Stream, I Funnel, ELSD, Turbo Vaps and chemical solvent evaporation.



### Proven Technology

The unique combination of a rotary scroll compressor and high efficiency membrane ensures that the NitroFlow 60 has many unique advantages over all other existing LC/MS nitrogen generators. Rotary scroll compressors operate at low temperatures, have less moving parts and are significantly quieter than piston compressors used by other Nitrogen Generator manufacturers.

### The safe, convenient and cost effective method of providing high purity nitrogen for your LC/MS

#### Design Features

- Complete “plug and play” system recommended for all major LC/MS instruments
- Phthalate-free, no organic vapors
- Produces a continuous supply of nitrogen for all LC/MS applications
- Eliminate dangerous nitrogen cylinders from the laboratory
- Nearly silent operation; operates at less than 49 dB(A)

Specifications	NitroFlow 60	NitroFlow 60D
Nitrogen	Up to 60 slpm	Up to 60 slpm
Dry Air Flow	N/A	5 slpm
Dry Air Dewpoint	N/A	-40°F (-40°C)
Hydrocarbon Free	Yes	Yes
Phthalate Free	Yes	Yes
Maximum Outlet Pressure	100 psig	100 psig
Atmospheric Dewpoint	-58°F (-50°C)	-58°F (-50°C)
Outlet Port	Female 1/4" NPT	Female 1/4" NPT
Min/Max Ambient Temperature	50°F/95°F (10°C/35°C)	50°F/95°F (10°C/35°C)
Electrical Requirements	230 VAC, 60 Hz, 1 Phase, 14A*† 230 VAC, 50 Hz, 1 Phase, 13A*†	195-254 VAC, 60 Hz, 1 Phase, 14A* 230 VAC, 50 Hz, 1 Phase, 13A*
Dimensions	43"H x 21"W x 34"D (109cm H x 53cm W x 86cm D)	43"H x 21"W x 34"D (109cm H x 53cm W x 86cm D)
Shipping Weight	643 lbs. (292 kg)	643 lbs. (292 kg)

\*During operation, 30A at startup

†Main supply voltage fluctuations not to exceed +10%/-15% of nominal voltage.

#### Ordering Information for assistance, please call 1-800-343-4048 8AM to 5PM Eastern Standard Time

Model Number	Description
Y80-NITROFLOW60	Nitrogen Generator with Integrated Compressor
Y80-NITROFLOW60D	Nitrogen Generator with Dryer Option and Integrated Compressor