

# Products for LC/MS and Evaporation

## NitroFlow Lab Self-Contained LC/MS Membrane Nitrogen Generator



Analytical Gas Systems

### Features

**Flow capacity up to 32 lpm**

**Less expensive and more convenient than nitrogen cylinders and Dewars**

**Ideal for all derivatives of ESI and APCi Modes**

**Includes state-of-the-art, oil-less compressor**

**8,000 hours compressor warranty**

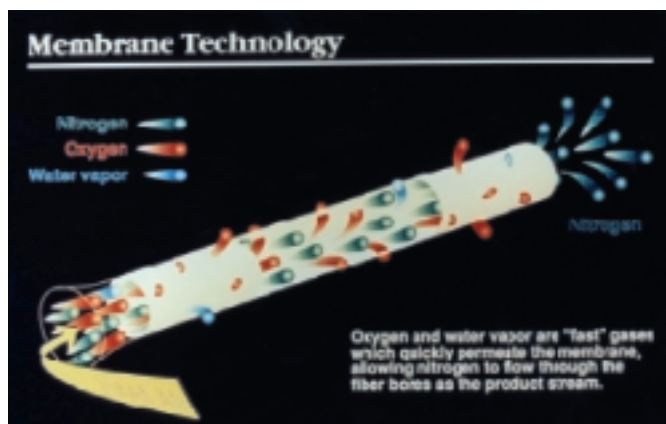
**Recommended and used by all major LC/MS manufacturers**

**Special design ensures quiet operation**

**Phthalate free nitrogen**



The **Parker Balston NitroFlow Lab** is a self-contained nitrogen generator that produces pure LC/MS grade nitrogen with pressures up to 8 barg. Nitrogen is produced by utilising a combination of compressor, filtration and membrane separation technologies. Oil-free compressed air is filtered by high efficiency coalescing filters remove all contaminants down to 0.01 micron. Hollow fibre membranes subsequently separate the clean air into a concentrated nitrogen stream and an oxygen enriched permeate stream, which is vented from the system. The NitroFlow Lab simply plugs into a standard electrical socket and it's ready to be connected to your instrument to start supplying nitrogen. There's nothing more to it. The NitroFlow Lab produces a continuous on-demand supply of pure nitrogen making it the smart alternative to cylinders. Additional applications include: nebuliser gas, chemical and solvent evaporation, instrument purge and supply, evaporative light scattering detector use and sparging.



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### Principal Specifications

#### Model NitroFlow Lab

Nitrogen flow rate up to	32 lpm (Phthalate free)
Maximum Outlet Pressure	8 barg
Hydrocarbon Content	<1ppm (excluding methane)
Atmospheric Dewpoint	-50°C
Outlet Port Female	1/4" NPT
Temperature Range	10°-35°C
Noise Level	<58 dB(A)
Electrical Requirements	230V/50Hz
Dimensions	700 x 900 x 310mm
Shipping Weight	93kg

### Ordering Information

Description	Model Number
NitroFlow Lab	159.003848
Annual Maintenance Kit	159.003754

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