



## Point of use nitrogen

The interface between HPLC and Mass Spectrometry requires a constant flow of nitrogen gas. Parker understands that a point of use, constant supply of nitrogen is essential in any lab to increase uptime and sample throughput.

We provide nitrogen gas generators for drying, sheath and nebulizing gas use giving you a dry, high purity nitrogen for use in LC/MS and other applications, that is both consistently available and cost-efficient.

### PSA LC/MS NITROGEN GENERATOR

The Parker nitrogen gas generators employ robust, field proven technology to meet the drying, sheath and nebulisation gas requirements of today's latest LC/MS instrumentation. Four models operate at flow rates from 20 L/min to 50 L/min.

The LC/MS generators provide a continuous stream of high purity nitrogen from a single 'plug & play' unit. Models are available with and without an integral oil free compressor, are extremely quiet in operation and are fully approved for use by major instrumentation manufacturers.

Innovative design and technology facilitate maximum instrument uptime, attractive return on investment and proven analytical performance, eliminating the need for other modes of supply.

### NITROFLOW LAB

NitroFlow Lab is a self contained generator that produces up to 32 lpm of pure LC/MS grade nitrogen at pressures up to 8 bar. Nitrogen is produced by utilising a combination of compressor and membrane separation technologies. High and low pressure compressors are carefully matched to the hollow fibre membranes to ensure quiet and reliable operation. Oil free compressed air is passed through the unique proprietary hollow fibre membranes which separate the air into a concentrated nitrogen stream.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. The NitroFlow Lab has been tried and tested by all the major LC/MS manufacturers.

### MEMBRANE LC/MS NITROGEN GENERATOR

The Parker membrane nitrogen generators can produce up to 228 lpm of pure LC/MS grade nitrogen at pressures up to 8 bar. Generators are complete systems engineered to transform standard compressed air into a safe regulated nitrogen supply with minimal operator attention.

Typical applications include LC/MS, LC/MS/MS, nebuliser gases for APCI and ESI, ELSD, Turbo Vaps and chemical solvent evaporation. The membrane nitrogen generators have been tried and tested by all the major LC/MS manufactures.



## NitroFlow Lab Nitrogen Generator Product Selection

Model	Flow Rate	Purity*
	L/min	%
NitroFlow Lab	32	Up to 99.5 %

\*Purity with respect to oxygen and is based on flow. Higher flow results in lower purity. EU and UK chord model number 159.0003848

### Technical Data

Ambient Temperature Range	10 - 35°C 50 - 95°F
Electrical Requirements	230VAC- 50Hz
Port Connections      Outlet / Inlet	1/4" G

### Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
NitroFlow Lab	700	28	310	12	900	35	93	205

### Preventative Maintenance

Maintenance Kit Carbon Adsorber	Part Number as is	Frequency as is
Oxygen Sensor	159.005574	36 Months
Compressor 230v/50Hz	159.005575	8000H

# THIS IS INCREASED EFFICIENCY

#### LC/MS Nitrogen Gas Generator

Produces a continuous supply of LC/MS grade nitrogen  
Integral oil free compressor, with noise reduction technology  
Compact, reliable with minimal operator attention



Parker enables its partners to achieve their gas requirements for drying, sheath and nebulisation of today's latest LC/MS instrumentation. With flow rates from 20 L/min to 50 L/min. The LC/MS generators provide a continuous stream of high purity nitrogen from a single 'plug & play' unit.

This reflect Parker's commitment to our partners by offering innovative design and technology facilitating maximum instrument uptime, attractive return on investment and proven analytical performance.

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