

# NitroFlow Lab

for LC/MS

Distributed by:



**Carl Stuart Limited**

ADVANCED APPLIED TECHNOLOGIES

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## Nitrogen on Demand, up to 32 lpm

The Parker Balston 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 manufactures.



## Contact Information:

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## Product Features:

- Complete "Plug and Play" system recommended by all major LC/MS manufacturers
- Eliminates dangerous nitrogen cylinders from the laboratory
- Produces a continuous supply of nitrogen for all LC/MS applications
- 8,000 hours compressor warranty
- Phthalate-free, no organic vapours
- Internal acoustic dampening ensures quiet operation

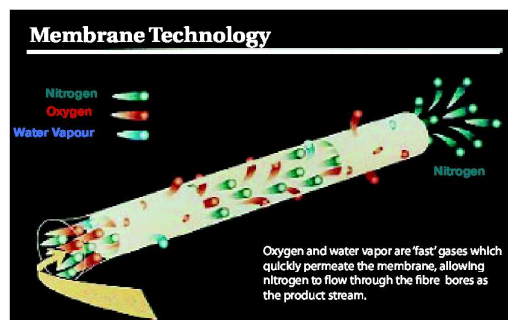
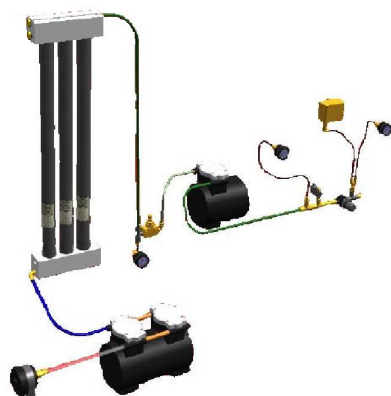
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The unique combination of the dual compressor technology ensures that the NitroFlow® Lab has several unique technical advantages over all other existing LC/MS Nitrogen Generators.

Nitrogen is produced at low pressure and then compressed to 8 bar. This ensures minimal maintenance of the system with no compressed air filter replacements or waste filter condensate.

The compressor life is guaranteed under the Parker Balston warranty for 8,000 continuous running hours, the longest currently available on the market.



## Principal Specification

<b>Model</b>	<b>NitroFlow Lab</b>
Purity	99.5%
Phthalate-free	Yes
Hydrocarbon-free	Yes
Flow Rates	Up to 32 lpm
Delivery Pressure	8 bar
Outlet Connection	1/4" G (optional 6 and 8mm push fit connectors included.)
Ambient Temperature	10 to 35°C
Electrical Requirements	230VAC- 50Hz
Power Consumption	1400 Watts
Noise Level	<58 dB (A)
Dimensions (H x W x D)	700 x 310 x 900 mm
Weight (Shipping)	93 Kg (98)

## Ordering Information

<b>Description</b>	<b>Model Number</b>	
NitroFlow Lab	159.003848	
<b>Maintenance Items</b>	<b>Model Number</b>	<b>Change Frequency</b>
Maintenance Kit	159.003754	12 Months