

# NitroFlow Lab

for LC/MS



## 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 manufacturers.



## Contact Information:

Parker Hannifin Limited  
**Air and Gas**  
Hermitage Court, Hermitage Lane  
Maidstone, Kent ME16 9NT

**phone +44 (0)1622 723300**  
**fax +44 (0)1622 728703**  
**balstonukinfo@parker.com**

[www.parker.com/pag](http://www.parker.com/pag)

## Product Features:

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

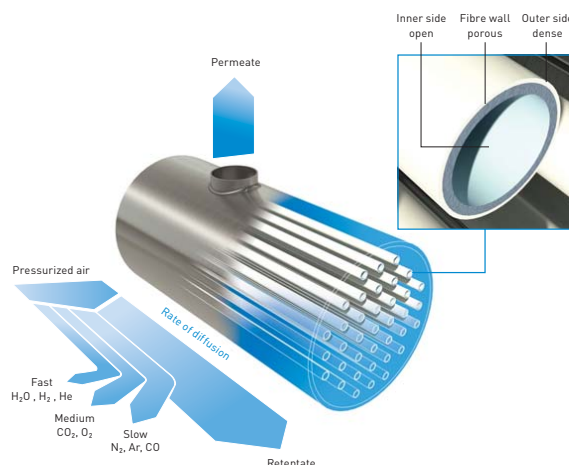
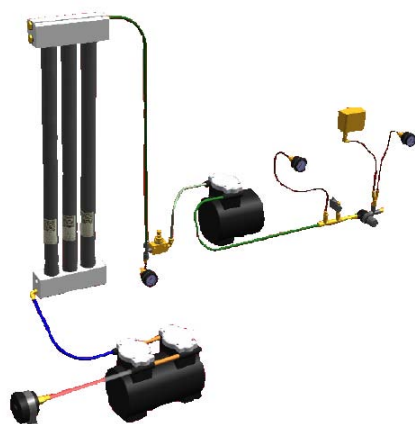


ENGINEERING YOUR SUCCESS.

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 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

Model	NitroFlow Lab
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

Description	Model Number	
NitroFlow Lab - UK plug	159.004627	
NitroFlow Lab - EU plug	159.003848	

Maintenance Items	Model Number	Change Frequency
Maintenance Kit	159.003754	12 Months