

NitroSource Lab

for LC/MS

Distributed by:



Carl Stuart Limited

ADVANCED APPLIED TECHNOLOGIES

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Nitrogen on Demand, up to 500 lpm

The Parker Balston NitroSource Lab nitrogen generator can produce up to 500 lpm of pure LC/MS grade nitrogen at pressures up to 10 bar. The generator is engineered to transform standard compressed air into a safe regulated supply of nitrogen with minimal operator attention. Pressure flow rates and purities are specifically designed to match the stringent requirements of all the latest LC/MS instruments.

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



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Product Features:

- Recommended and used by all major LC/MS manufacturers
- Eliminate dangerous nitrogen cylinders or dewars from the laboratory
- No electrical requirements, no noise, no moving parts
- Phthalate-Free, no organic vapours
- Can supply up to 16 LC/MS from one generator
- Utilises Parker's propriety membrane technology

Parker **BALSTON**
Analytical Gas Systems

ENGINEERING YOUR SUCCESS.

Nitrogen is produced by utilising a combination of filtration and membrane separation technologies. A supply of compressed air is filtered by high efficiency coalescing filters to remove all contaminants

down to 0.01 micron. Patented propriety hollow fibre membranes then separate the air into a concentrated pure nitrogen stream. Membrane technology offers some unique performance benefits for LC/MS

users including phthalate free nitrogen, silent operation, no moving parts and no electrical requirements. There are 10,000's systems installed worldwide.

Principal Specification

Model	NitroSource Lab
Purity	Up to 99%
Phthalate-Free	Yes
Hydrocarbon-Free	Yes
Flow Rates	Up to 500 lpm
Inlet Pressure	4 to 10 bar
Inlet Connection	G1 - 1/4" Female
Outlet Connection	G1 - 1/4" Female
Ambient Temperature	10 to 35°C
Electrical Requirements	90-250VAC / 50-60 Hz
Power Consumption	35 Watts
Dimensions (H x W x D)	1928 x 725 x 490 mm
Weight (Shipping)	165 Kg (180)

Ordering Information

Description	Model Number
Nitrosorce Lab for up to 16 LC/MS	159.003847

Maintenance Items	Model Number	Change Frequency
Maintenance Kit	159.003569	12 Months