

D62 Parker/Balston® Nitrogen Generator System for LC/MS

Features:

- Eliminates the need for costly, dangerous, inconvenient nitrogen cylinders in the laboratory
- Nitrogen Purity up to 99.95%
- Ideal for LC/MS as a curtain, nebulizer or shield gas, and ICP purge
- Compact design frees up valuable laboratory floor space
- Model 75-720 includes Oxygen Analyzer
- Offers long term cost stability - uncontrollable vendor price increases, contract negotiations, long term commitments and tank rentals are no longer a concern.



Model N2-14

The Parker/Balston N2-14 Nitrogen Generation System produces up to 60 SLPM of compressed nitrogen, on-site. The purity level of the nitrogen stream is defined by the user, for the application, and may range from 95% to 99.95%.

Parker/Balston Nitrogen Generators are complete systems engineered to transform standard compressed air into nitrogen at safe, regulated pressures, on demand, without the need for operator attention. The systems eliminate the need for costly, dangerous dewars and cylinders in the laboratory.

Nitrogen is produced by utilizing a combination of filtration and membrane separation technologies. A high efficiency prefiltration system pretreats the compressed air to remove all contaminant's down to 0.01 micron. Hollow fiber membranes subsequently separate the clean air into a concentrated nitrogen output stream and an oxygen enriched permeate stream, which is vented from the system. The combination of these technologies produces a continuous on demand supply of pure nitrogen. Typical applications include: chemical and solvent blanketing, nebulizer gas, chemical and solvent evaporation, instrument purge and supply, evaporative light scattering detector use (HPLC), and sparging.

Nitrogen Purity/Flow Chart

Flow measured in SLPM at indicated Operating Pressure,psig

N2 Purity - Models N2-14

%	145	125	110	100	90	80	70	60
99.5	11	10	9	8	7	6	5	4
99	18	16	15	13	11	10	8	7
98	29	25	25	20	18	16	13	11
97	40	34	33	27	25	21	18	15
96	40	43	42	34	31	26	22	19
95	60	52	51	42	37	32	28	24

Specifications

	Model N2-14
Nitrogen Purity	99.5%
Atmospheric Dewpoint	-58°F(-50°C)
Suspended Liquids	None
Particles > 0.01µm	None
Commercially Sterile	Yes
Phthalate Free	Yes
Hydrocarbon Free	Yes
Min./Max. Operating Pressure	60/145 psig
Max. Pressure Drop @99% N2 Purity, 125 psig	10 psig
Max. Recommended Inlet Temp.	77°F (25°C)
Max. Ambient Operating Temp.	110°F (43°C)
Air Consumption	216 scfh (102 lpm)
Inlet/Outlet Ports	1/4" NPT
Electrical Requirements	None
Shipping Weight	75 lbs (34 kg)
Oxygen Analyzer	Not Included
Dimensions	50"h x 16"w x 16"d

Part No.	Description	Price
N214	Nitrogen Generator	