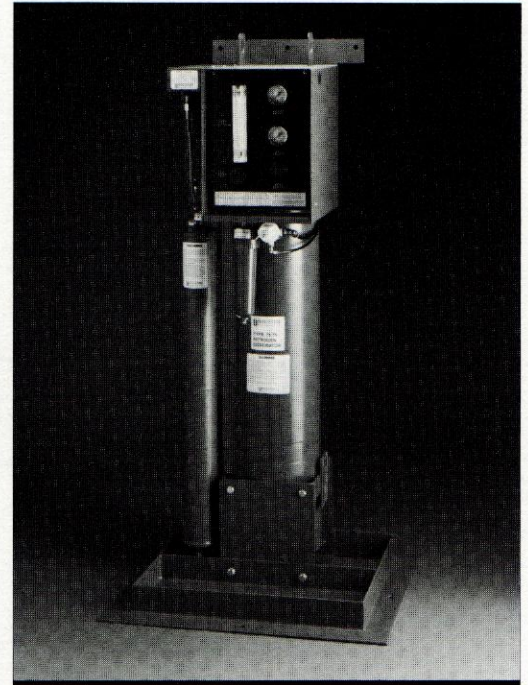


Balston® Nitrogen Generation System



Produce Compressed Nitrogen from Compressed Air

Balston Nitrogen Generators allow you to produce compressed nitrogen on-site, in the 95.0-99.5% purity range, from your existing compressed air supply, eliminating the requirement to purchase merchant nitrogen. For applications where these purities are adequate, the expense and inconvenience of liquid nitrogen dewars or nitrogen gas cylinders can be a thing of the past.

For Industrial and Laboratory Requirements

- Purging or testing of tanks and vessels
- Solvent blanketing
- Food processing and packaging
- Storage of perishables
- Electronic component manufacture and storage
- Analytical equipment
- Chemical transferring

To the Cleanliness Level You Require

- Nitrogen purity to 99.5%
- Pressure to 145 psig
- No suspended liquids
- No particles larger than 0.01 μm
- No bacteria or other viable organisms
- Atmospheric Dewpoint to -58°F
- CO_2 levels < 10 ppm

This bulletin provides all the information you need to select, order and install the right Nitrogen Generation System. If you need technical assistance, please call or write. Balston, Inc., 260 Neck Road, Box 8223, Haverhill, MA 01835-0723. Toll Free 800-343-4048 or 508-374-7400.

Generate nitrogen from your own compressed air supply

Balston Nitrogen Generators deliver up to 575 SCFH or over 14000 cubic feet per day of high purity, commercially sterile nitrogen, at dewpoints to -58°F from any compressed air supply, regardless of its quality. A 0.01 µm membrane final filter ensures the nitrogen is completely free of suspended impurities. To install, simply attach the inlet to a 1/2" compressed air supply line (minimum pressure 60 psig) and the outlet to a 1/2" nitrogen line - no electrical connections required - and the unit is ready for trouble-free operation. Standard features include oil and solids removal prefilters, a 0.01 µm membrane final filter, automatic drains, and moisture indicator. A two years supply of prefilter cartridges is furnished free with each Nitrogen Generator. Nitrogen Generators are ideal when a reliable source of compressed air is available.

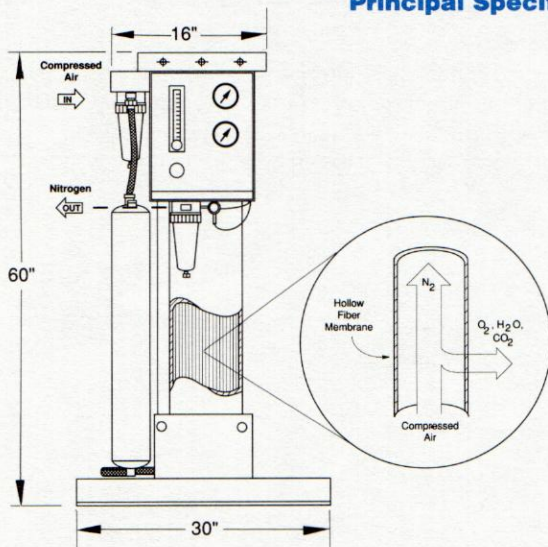
Nitrogen Purity/Flow Chart

* Flow SCFH, at indicated Operating Pressure, PSIG

Purity %N ₂	145 psig		125 psig		110 psig		100 psig		90 psig		80 psig		60 psig	
	Type 75-73	Type 75-75	Type 75-73	Type 75-75	Type 75-73	Type 75-75	Type 75-73	Type 75-75	Type 75-73	Type 75-75	Type 75-73	Type 75-75	Type 75-73	Type 75-75
99.5	80	160	68	135	55	110	50	100	43	85	35	70		
99	132	265	110	220	90	180	82	165	67	135	60	120		
98	200	400	167	335	140	280	125	250	102	205	90	180	55	110
97	250	500	212	425	180	360	155	310	127	255	115	230	70	140
96	292	585	245	490	205	410	175	350	142	285	125	250	80	150
95	327	655	285	575	245	490	210	420	172	345	152	305	92	185

* At 77°F

Principal Specifications



Note: 17" Deep at Top
27" Deep at Base

Ordering Information

Order by Type Number. The Type Number designates a Nitrogen Generator which will provide pure, compressed nitrogen to the specifications shown in the performance tables.

Type Number	75-73	75-75
Suspended Liquids	None	None
Atmospheric Dewpoint	-58°F (1)	-58°F (1)
Commercially Sterile	Yes	Yes
Particles > 0.01µm	None	None
Electrical Requirements	None	None
Maximum Flow Rate (SCFH)	285	575
Operating Pressure Range (PSIG)	60-145	60-145
Pressure Drop (PSIG)	<10	<10
Recommended Inlet Temperature	≤78°F	≤78°F
Ambient Operating Temperature	≤100°F	≤100°F
Air Consumption (SCFH) at Max. Flow Rate and 95% Purity	615	1230
Purity (% Nitrogen)	95.0-99.5	95.0-99.5
Shipping Weight (lbs)	360	360

* Please refer to Bulletin P-660 for other accessory items.
1 -40°F to -100°F pressure dewpoint available. Consult factory.

For assistance, call 800-343-4048

Nitrogen Generator Complete	Type 75-73	Type 75-75
Replacement Filter Tubes		
Filter Tubes, 1st Stage (box of 10)	100-18-DX	100-18-DX
Filter Tubes, 2nd Stage (box of 10)	100-18-BX	100-18-BX
Filter Tubes, 3rd Stage (box of 10)	100-25-BX	100-25-BX
Final Membrane Filter	GS-100-25-95	GS-100-25-95
Activated Carbon Filter	75303	75303

