

Content Template

Balston Membrane Nitrogen Generation Systems

Eliminate all the inconveniences and costs of cylinder gas supplies and dependence on outside vendors

No need to buy and store excessive reserves to protect yourself from late deliveries, transportation interruptions, or periods of tight supplies

Offer long term cost stability by eliminating uncontrollable vendor price increases, contract negotiations, long term commitments, and tank rentals

Control your own supply by providing the volume and purity required

Utilizes the most advanced membrane technology available



Balston Membrane Nitrogen Generation Systems offer a less expensive, more efficient and reliable alternative to nitrogen gas cylinders, Dewars and bulk nitrogen. Balston Nitrogen Generation Systems utilize the most advanced hollow fiber membrane technology available.

Balston Membrane Nitrogen Generation Systems produce up to 99.5% pure, commercially sterile nitrogen at dewpoints to -58°F (-50°C) from a compressed air supply. All systems include a 0.01 micron membrane filter which ensures the nitrogen is completely free of suspended impurities. For applications requiring monitoring and controlling, models HFXO Series and all Nitrosource NS Series include an oxygen monitor which offers LED readouts and remote alarm or chart recorder capabilities. An audible alarm signals high or low oxygen concentrations (determined by the application). The oxygen monitor is supplied with alarm relay outputs which may be used to signal a remote alarm, open a backup supply or the process stream, or close the process flow.



® Parker Hannifin Corporation
Filtration and Separation Division
Balston Products
Haverhill, MA, 01835-0723
1-800-343-4048 or 1-978-858-0505 · Fax: 978-556-7501

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Applications:

Flow Rates for assistance, call 1-800-343-4048 EST

	Model #	Flow Rate (SCFH) @ 95% Purity, 100 psig	Flow Rate (SCFH) @ 98% Purity, 100 psig
Purging or testing of tanks and vessels			
Solvent blanketing	HFX-1	40	16
	HFX-3	148	70
Food processing and packaging	HFX-5	279	131
	HFX-7	452	209
Storage of perishables	HFX-9	752	330
	HFX-11	1201	572
Electronic component storage and manufacture	Nitrosorce Series		
	Main Unit	1200 570	570
Analytical equipment purge	NS-1	2401 1140	1140
	NS-2	3602 1711	1711
Carburizing, hardening, sintering, annealing	NS-3	4803 2281	2281
	NS-4	6003 2851	2851
	NS-5	7204 3422	3422
Sparging and mixing			



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