

Nitrogen Generators

Low- and Mid-Level Flow Capacities

Parker Balston® Nitrogen Generators

- Produce a continuous supply of high purity nitrogen gas from existing compressed air.
- Eliminate the need for costly, dangerous, inconvenient cylinders in the laboratory.
- Ideal for all combustion, UV persulfate, or wet oxidation sampling techniques.
- Compact design frees valuable laboratory floor space.
- Offer long-term cost stability—uncontrollable vendor price increases, contract negotiations, long-term commitments, and tank rentals are no longer a concern.



Parker Balston® Model HPN2-1100 and UHPN2-1100 UHP nitrogen generators are engineered to transform standard compressed air into 99.9999% nitrogen, exceeding the specification of UHP cylinder gas, at up to 1.1 lpm.

Nitrogen is produced by a combination of state-of-the-art purification technologies and high efficiency filtration. Model HPN2-2000 can produce up to 2 lpm of 99.99% pure nitrogen gas from standard compressed air. Pressure swing adsorption removes O₂, CO₂, and water vapor. A catalyst module is incorporated in Model UHPN2-1100 to oxidize hydrocarbons from the inlet air supply.* The generators also have high efficiency coalescing prefilters and a 0.01 micron (absolute) membrane filter. Models HPN2-1100 and UHPN2-1100 are ideal for TOC carrier gas and purge applications.

Parker Balston® UHP nitrogen generators are packaged in a small cabinet, to fit nearly any benchtop.

*Models HPN2-1100 and HPN2-2000 do not remove hydrocarbons.

**Flow Table for Models
HPN2-2000, HPN2-1100, and UHPN2-1100**

Inlet Air Pressure	Maximum Outlet Flow (cc/min.) Models HPN2-1100 and UHPN2-1100	Maximum Outlet Pressure
125 psig (862kPa)	1100	85 psig (586kPa)
110 psig (758kPa)	1000	75 psig (517kPa)
100 psig (689kPa)	900	65 psig (448kPa)
90 psig (621kPa)	800	60 psig (414kPa)
80 psig (552kPa)	700	50 psig (345kPa)
70 psig (483kPa)	600	45 psig (310kPa)
60 psig (414kPa)	500	35 psig (241kPa)
Model HPN2-2000		
75-120 psig (517-827kPa)	2000	90 psig (621kPa)

Visit www.restek.com/gas for a complete product listing

Parker Balston® Nitrogen Gas Generators



21654



Parker Balston® Nitrogen Gas Generators

- Produces ultra-pure nitrogen (up to 99.9999%).
- Require only a compressed air source and 110 volt AC power.
- Typical applications include GC carrier gas, make-up gas, and low flow sample concentrators.
- Maintenance kits include replacement filters.

Specifications	Model HPN2-1100 or UHPN2-1100	Model HPN2-2000
Maximum Nitrogen Flow Rate:	See Flow Table	2 lpm
Nitrogen Purity:	99.9999%	99.99%
Minimum/Maximum Inlet Pressure:	60 psig/125 psig (414/862kPa)	75 psig/120 psig (517/827kPa)
Electrical Requirements ¹ :	120 VAC/60 Hz	120 VAC/60 Hz
Dimensions:	35"h x 12"w x 16"d (89cm x 30cm x 41cm)	35"h x 12"w x 16"d (89cm x 30cm x 41cm)
Shipping Weight:	115 lbs. (52 kg)	115 lbs. (52 kg)

Note:
Models HPN2-1100 and HPN2-2000 do not remove hydrocarbons.

¹Power consumption is:
Model HPN2-1100 = 25 Watts
Model UHPN2-1100 = 700 Watts
Model HPN2-2000 = 25 Watts

Nitrogen Generators	Model #	qty.	cat.#
Nitrogen Generator	HPN2-2000 (high purity)	ea.	21654
Nitrogen Generator	HPN2-1100 (ultra-high purity)	ea.	21653
Nitrogen Generator	HPN2-1100 with European Cord Set	ea.	21653-551
Nitrogen Generator	HPN2-1100 with IEC Connector Only	ea.	21653-552
Nitrogen Generator	UHPN2-1100 (ultra-high purity zero grade)	ea.	20697
Maintenance Kits	Model #	qty.	cat.#
Maintenance Kit	for HPN2-1100, HPN2-2000, 76-96, 76-92	kit	21649
Maintenance Kit	for UHPN2-1100, 76-94	kit	21655

ordering note

For international orders, please add the appropriate power cord suffix from the table below.

International Power Cord Sets

Just add the proper suffix to the catalog number for the gas generator you are ordering.

Location	qty.	cat.# suffix
United Kingdom (230VAC, 50/50Hz)	ea.	-550
European (230VAC, 50/60Hz)	ea.	-551
IEC Connector Only (230VAC, 50/60Hz)	ea.	-552
Japanese (200VAC, 50/60Hz)	ea.	-556
Japanese for Zero Air (100VAC, 50/60Hz)	ea.	-553
Japanese for Hydrogen (100VAC, 50/60Hz)	ea.	-554
Japanese for Nitrogen (100VAC, 50/60Hz)	ea.	-555

Contact your Restek representative and order yours today!

Visit www.restek.com/Contact-Us to find a distributor or representative.

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