

High Purity Nitrogen Generators

For Analytical Instruments Including ICP



The Parker domnick hunter nitrogen gas generators employ robust, field proven technology to produce high purity nitrogen for life science, chemical analysis and spectroscopy applications. Flow rates range from 5 to 12.5 lpm, with purities from 99.8 to 99.999%.

The generators provide a continuous stream of high purity nitrogen from a single 'plug & play' unit. Models are available with and without an integral oil free compressor, are extremely quiet in operation and are fully approved for use by major instrumentation manufacturers.

Innovative design features include economy mode as standard which extends compressor life and significantly reduces on going running costs.



Product Features:

- Complete 'Plug and Play' system for laboratory applications
- Produces a continuous supply of nitrogen from 99.8% to 99.999% purity
- Integral oil free compressor, with advanced noise reduction technology
- Eliminate inconvenient and potentially dangerous nitrogen cylinders
- Compact, reliable with minimal operator attention and maintenance
- Economy mode as standard, increases compressor life

Product Selection

Model	Flow Rate		Purity*	Inlet air @ 8 to 9.9 bar (116 to 143 psi) **	Outlet Pressure		Integral Compressor
	L/min				bar g	psi g	
HPN2-5000	5	>99.999	110	5	72.5	No	
HPN2-5000C	5	>99.999	n/a	5	72.5	Yes	
HPN2-7000	7	>99.9	110	5	72.5	No	
HPN2-7000C	7	>99.9	n/a	5	72.5	Yes	
HPN2-10000	10	>99.8	110	5	72.5	No	
HPN2-10000C	10	>99.8	n/a	5	72.5	Yes	
HPN2-12500	12.5	>99.5%	129	5	72.5	No	
HPN2-12500C	12.5	>99.5%	n/a	5	72.5	Yes	

*Purity with respect to oxygen

** Model HPN2-12500 min inlet 9 bar (130 psi)

Note: Add suffix 'E' for 207-253V 50/60Hz ie. HPN2-7000-E

Add suffix 'W' for 103 -126V 60Hz ie. HPN2-7000-W

Technical Data

Ambient Temperature Range	15 - 25°C / 55 - 77°F
Inlet Air Quality †	Clean dry compressed air / ISO8573-1:2010 Class 3.2.1
Supply Voltage Range	103 - 126V 60Hz / 207 - 253V 50/60Hz
Port Connections Outlet Inlet †	1/4" Compression Fitting 1/4" Compression Fitting

†Non compressor models only

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight (with compressor)		Weight (without compressor)	
	mm	in	mm	in	mm	in	kg	lb	kg	lb
HPN2 range	869	34.2	345	13.6	667	26.3	95	189.6	86	209.4

Preventative Maintenance

Preventative Maintenance Kit - all models	Part Number	Change Frequency
Filter kit - non compressor models	606272557	12 Months
Filter kits - compressor models	606272559	12 Months
Compressor Kit 230V models	606272581	8,000 hours or 24 months (which ever comes first)
Compressor Kit 120V models	606272583	8,000 hours or 24 months (which ever comes first)

Optional Extra's

Description	Part Number	Required for
Installation kit	IK7694	Suitable for all HP nitrogen generators