



High purity point of use nitrogen

Some instruments and applications require higher purity nitrogen. Where purity is critical, Parker generators offer security in a constant, high purity flow of nitrogen.

Our HPN2 and UHPZN2 generators provide gas with purities to suit collision and curtain gas, as well as other applications requiring 99.5% and above purity.



HPN2

The Parker 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.

UHPZN2

An industry leading dual gas generator, the UHP-ZN2 delivers nitrogen and zero air for make-up gas applications. Producing ultra high-purity nitrogen from standard compressed air, with <0.1 ppm hydrocarbon content, it will enable you to achieve the most accurate results.

- Continuous supply of ultra high-purity, organic free nitrogen
- Engineered to ensure maximum reliability and minimal operator attention
- Compact design – requires minimal space in your laboratory
- Noise reduction technology – a quieter working environment
- Integral heated catalyst – ensures carrier grade nitrogen
- Economy mode - significantly reduced running costs and increased compressor life
- Single plug & play unit – saves you valuable time
- With or without an integral compressor

Note: Also suitable for use as carrier gas

HPN2 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	
HPN2-5000C	5	>99.999	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 / ISO8573-1:2001 Class 2--.1
Supply Voltage Range	103 - 126V 60Hz / 207 - 253V 50/60Hz
Port Connections	Outlet / Inlet * 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	345	14	667	26	95	190	86	209

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

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