



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

UHPZN2 Product Selection

Model	Flow Rate	Purity*		Inlet Air @ 9.0 - 9.9 bar (131 - 143 psi)	Delivery Pressure		Integral Compressor
		L/min	ppm organic impurity		%	L/min	
UHPZN2-1000	1	<0.1 Total Hydrocarbons	>99.9995%	42	5	72.5	No
UHPZN2-1000C	1	<0.1 Total Hydrocarbons	>99.9995%	n/a	5	72.5	Yes
UHPZN2-3000	3	<0.1 Total Hydrocarbons	>99.9995%	52	5	72.5	No
UHPZN2-3000C	3	<0.1 Total Hydrocarbons	>99.9995%	n/a	5	72.5	Yes

*Purity with respect to oxygen

Note: Add suffix 'E' for 207-253V 50/60Hz ie. UHPZN2 - 1000 - E
Add suffix 'W' for 103 - 126V 60Hz ie. UHPZN2 - 1000 - W

Technical Data

Ambient Temperature Range	15-25°C 59-77°F
Inlet Air Quality*	Clean dry compressed air ISO8573-1:2010 Class 1.-.1
Supply Voltage Range	104 - 127V 60Hz / 207 - 253V 50/60Hz
Port Connections	Outlet / Inlet
	1/8" 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
UHPZN2 range	869	34.2	345	13.6	667	26.3	96	211.6	86	189.5

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit - non compressor option	606272561	12 months
Filter Kit - compressor option	606272563	12 months
Compressor Kit 230V	606272581	4,000 hours or 12 months (whichever comes first)
Compressor Kit 115V	606272583	4,000 hours or 12 months (whichever comes first)
Valve Kit - non compressor option	606272575	36 months
Valve Kit - compressor option	606272589	36 months
Catalyst Kit 230V - 3.0 L/min model	606272583	36 months
Catalyst Kit 115V - 3.0 L/min model	606272591	36 months
Fan Kit - non compressor option	606272595	36 months
Fan Kit - compressor option	606272605	36 months

Optional Extras

Description	Part Number	Required for
Installation Kit	IK7694	Suitable for all zero nitrogen generators