

Ultra High Purity Zero Nitrogen Generators

for GC makeup gas and carrier gas applications



The Parker domnick hunter zero nitrogen generators employ robust, field proven technology to produce ultra high purity nitrogen for GC makeup and carrier gas applications. An integral heated platinum catalyst ensures carrier grade nitrogen free from organic impurities to <math><0.1\text{ ppm}</math>.

The generators provide a continuous stream of ultra 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:

- **Ultra high purity, organic free, nitrogen**
- **Economy mode as standard, increases compressor life**
- **Ideal for GC make-up and carrier gas applications including ECD**
- **Integral oil free compressor, with advanced noise reduction technology**
- **Eliminate inconvenient and potentially dangerous nitrogen cylinders**
- **Compact, reliable with minimal operator attention and maintenance**

Product Selection

Model	Flow Rate	Purity*		Inlet Air @ 9 to 9.9 bar (131 to 143 psi)	Delivery Pressure		Integral Compressor
	L/min	ppm organic impurity	%	L/min	bar g	psi g	
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 2.-.1
Supply Voltage Range	103 - 126V 60Hz 207 - 253V 50/60Hz
Port Connections	Inlet† Outlet
	1/4" Compression Fitting 1/8" 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 (which ever comes first)
Compressor Kit 120V	606272583	4,000 hours or 12 months (which ever comes first)

Optional Extra's

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