



## Make-up gas

Used to enhance the movement of carbon ions through the detector to improve the signal, make-up gases can also improve the sensitivity of detection in gas chromatography.

At Parker, we know that a constant flow of an inert make-up gas is crucial to maintaining the best analytical conditions. Nitrogen makes an ideal make-up gas, thanks to its cost effectiveness at large volumes, and our generators can supply you with an unlimited source of high-purity nitrogen, on-demand.



## UHP-ZN2

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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

## G6010 & G7010

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The Parker domnick hunter nitrogen and dry air generators employ robust, field proven technology to produce ultra high-purity nitrogen and dry air suitable for make-up gas applications. This model combines innovative technology, compact design and functionality to provide a continuous stream of nitrogen which guarantees to improve analysis and reproducibility.

- Continuous supply of nitrogen at 99.999% purity and dry air
  - Proven analytical performance – peace of mind
  - Compact design – save space in your laboratory
  - Minimal operator attention and maintenance – maximised up-time and reduced running costs
  - Noise reduction technology – quieter working environment
  - Lowest lifetime cost – payback typically less than 24 months
  - With or without integral oil free compressor
  - Single plug & play unit – saves you valuable time
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## Product Selection

Model	Flow Rate	Purity*		Inlet Air @ 9 to 9.9 bar (131 to 143 psi) L/min	Delivery Pressure		Integral Compressor
	L/min	ppm organic impurity	%		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 1.-.1
Supply Voltage Range	104 - 127V 60Hz 207 - 253V 50/60Hz
Port Connections	Inlet* 1/4" Compression Fitting Outlet 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 (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