

Zero Nitrogen Generators

for GC makeup gas and carrier gas applications



The Parker domnick hunter G5 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.

The G5 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 and technology facilitate maximum instrument uptime, attractive return on investment and proven analytical performance, eliminating the need for other modes of supply.

A range of tailored service contracts, extended warranties and global manufacturing capabilities provide comprehensive aftermarket support.



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Features:

- **Phthalate-free componentry**
- **Integral oil free compressor option**
- **Robust Platinum catalyst ensures organic impurity removal**
- **Continuous automatic operation, 24/7**
- **Noise reduction technology**
- **Compact and robust design**
- **Simple installation and operation**
- **Global manufacturing support**

Benefits:

- **Proven instrument performance**
Robust technology, tested and fully approved for use
- **Low life cycle costs, excellent return on investment**
Payback typically less than 24 months
- **Safe and sustainable**
Eliminates the need to use and handle high pressure cylinders
- **Increased instrument uptime and productivity**
Gas at the push of a button, 24/7, without interruptions
- **Convenient**
Compact, low maintenance design allows easy installation next to instrument
- **Optimum analysis**
Improved stability and greater reproducibility with guaranteed purity
- **Reliable**
Field proven Pressure Swing Adsorption (PSA) technology



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Product Selection

Model	Flow Rate	Purity*		Inlet Air @ 7 bar g (101.5 psi g)	Delivery Pressure		Integral Compressor
	L/min	ppm organic impurity	%	L/min	bar g	psi g	
G5000	1	<0.1	>99.999	12	5	72.5	NO
G5010	1	<0.1	>99.999	n/a	5	72.5	YES

*Purity with respect to oxygen

Technical Data

Ambient Temperature Range	5 - 45°C 41 - 113°F
Inlet Air Quality†	Clean dry compressed air ISO8573-1:2001 Class 2.-.1
Supply Voltage Range	120 / 230V ±10% (60 / 50Hz)
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
G5 range	842	33.1	345	13.6	413	16.3	55	121.3	51	112.4

Also available, a range of hydrogen and air (organic impurity free) generators for Life Science, Chemical Analysis and Spectroscopy applications

For information on extended warranty and preventative maintenance contract availability, please contact your local sales office or visit www.domnickhunter.com

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