

# Nitrogen Generators

for ultra high purity critical applications



The Parker domnick hunter G1 and G2 nitrogen gas generators employ robust, field proven technology to produce ultra high purity nitrogen for critical life science, chemical analysis and spectroscopy applications. Flow rates range from 0.55 L/min to 3 L/min, with purities >99.999%.

The G1 and G2 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**
- **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)	Outlet Pressure		Integral Compressor
	L/min				bar g	psi g	
G1000	0.55		>99.999	7	5	72.5	NO
G1010	0.55		>99.999	n/a	5	72.5	YES
G1100	0.75		>99.999	9	5	72.5	NO
G1110	0.75		>99.999	n/a	5	72.5	YES
G2000	1.5		>99.999	18	5	72.5	NO
G2010	1.5		>99.999	n/a	5	72.5	YES
G2100	3.0		>99.999	36	5	72.5	NO
G2110	3.0		>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† 1/4" Compression Fitting Outlet (G1 range) 1/8" Compression Fitting Outlet (G2 range) 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
G1 range	842	33.1	345	13.6	413	16.3	57	125.7	53	116.8
G2 range	874	34.4	345	13.6	663	26.1	90	198.4	77	169.7

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](http://www.domnickhunter.com)

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