

# Nitrogen Generators

for life science, chemical analysis and spectroscopy applications



The Parker domnick hunter G3 and G4 nitrogen gas generators employ robust, field proven technology to produce ultra high purity nitrogen for life science, chemical analysis and spectroscopy applications. Flow rates range from 4 L/min to 14 L/min, with purities from >98% to >99.99%.

The G3 and G4 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 for 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	
G3100	4.0		>99.9	22	5	72.5	NO
G3110	4.0		>99.9	n/a	5	72.5	YES
G3200	5.0		>99.5	22	5	72.5	NO
G3210	5.0		>99.5	n/a	5	72.5	YES
G3300	7.0		>99	22	5	72.5	NO
G3310	7.0		>99	n/a	5	72.5	YES
G4000	5.0		>99.99	22	5	72.5	NO
G4010	5.0		>99.99	n/a	5	72.5	YES
G4400	14.0		>98	40	5	72.5	NO
G4410	14.0		>98	n/a	5	72.5	YES
G4510	12.0		>99.5	n/a	7	101.5	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	1/4" Compression Fitting
Outlet Inlet †	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
G3 range	874	34.4	345	13.6	663	26.1	84	185.2	71	156.5
G4 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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