



# Nitrogen Generators



domnick hunter nitrogen generators are suitable for a wide range of laboratory applications, from purge gas for ICP-OES instruments to applications where purity is less critical such as ELSD, GC make-up gas, NMR sample spinning and Circular Dichroism.

All generators employ proven durability pressure swing adsorption (PSA) technology to deliver best in class life expectancy. The technology uses carbon

molecular sieve to remove oxygen, carbon dioxide and moisture from a compressed air supply to produce laboratory grade nitrogen.

An integrated oil-free compressor is optional, but all generators provide nitrogen at purities ranging from 98% to 99.999% (or better). Beneficially, a novel economy mode option also keeps operating costs to a minimum.

## Features

- Integral oil-free compressor (optional)
- Economy mode (optional)
- Fully regenerative, proven durability PSA technology
- Soundproofed compressor box
- Simple installation
- Compact
- CE, UL and CRN approved
- Global manufacturing support

## Benefits

- **Improved instrument performance**  
Guaranteed consistent nitrogen purity improves stability and ensures greater reproducibility of results
- **Low and stable gas supply costs**  
Economy option saves energy
- **Security of supply**  
An optional integral oil-free compressor removes the reliance on dedicated compressed air supplies
- **Reduced health and safety risks**  
No manual handling of high pressure gas bottles or storage issues
- **Space saving**  
Fits under bench
- **Peace of mind**  
Service contracts and extended warranty available
- **Expert advice**  
Over 20 years experience of PSA system design

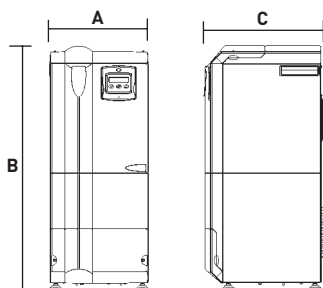


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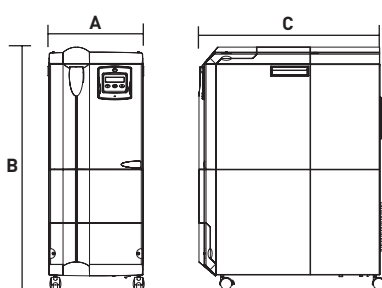
# Technical Specifications

Models	Flowrate L/min	Purity % O <sub>2</sub>	Connections BSP		Voltage Vac	Dimensions mm			Weight kg	
			air inlet	gas outlet		A	B	C	without compressor	with compressor
G1	0.55	10 ppm	1/8"	1/8"	110/230	345	842	413	52	56
	0.75	10 ppm								
G2	1.5	10 ppm	1/8"	1/8"	110/230	345	873	663	77	90
	3.0	10 ppm								
G3	2.5	100 ppm	1/8"	1/8"	110/230	345	873	663	71	83
	4.0	0.1								
	5.0	0.5								
	7.0	1								
G4	8.0	2	1/8"	1/8"	110/230	345	873	663	77	90
	5.0	100 ppm								
	6.0	0.1								
	10.0	0.5								
	12.5	1								
	14.0	2								

## G1 models



## G2-G4 models



## Nitrogen Generators for Larger Flowrates

To complement the smaller bench top laboratory nitrogen generators, domnick hunter also manufactures comprehensive ranges of MIDIGAS and MAXIGAS nitrogen generators. These provide flowrates from 10 L/min to 882 L/min at purities from 10ppm to 2% oxygen content. Higher flowrate generators can be provided if required.

The larger flowrates afforded by the domnick hunter MAXIGAS range, means the generators are ideally suited for use as the basis of centralised laboratory nitrogen supply systems, capable of supplying multiple instruments and applications. System modularity allows the capacity of the system to be easily increased as laboratory operations expand.

For more detailed information about this range please contact domnick hunter.



MIDIGAS nitrogen generator



MAXIGAS nitrogen generator

For more information on extended warranty and preventative maintenance contract availability, please contact your local domnick hunter sales office or log on to [www.domnickhunter.com/scientific](http://www.domnickhunter.com/scientific)



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