

# Nitrogen Generators

for LC/MS applications



The Parker domnick hunter LCMS nitrogen gas generators employ robust, field proven technology to meet the drying, sheath and nebulisation gas requirements of today's latest LC/MS instrumentation. Five models operate at flow rates from 15 L/min to 50 L/min.

The LCMS generators provide a continuous stream of 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*	Air Inlet @ 8.5 bar g (123.3 psi g)	Delivery Pressure		Integral Compressor
	L/min	%	L/min	bar g	psi g	
LCMS15-0	15	>99	70	7	101.5	NO
LCMS15-1	15	>99	n/a	7	101.5	YES
LCMS20-0	20	>99	70	7	101.5	NO
LCMS20-1	20	>99	n/a	7	101.5	YES
LCMS30-0	30	>99	130	7	101.5	NO
LCMS30-1	30	>99	n/a	7	101.5	YES
LCMS40-0	40	>99	130	7	101.5	NO
LCMS50-0	50	>98	130	7	101.5	NO

\*Purity with respect to oxygen

## Technical Data

Ambient Temperature Range	5 - 40°C 41 - 104°F
Inlet Air Quality †	Clean dry compressed air ISO8573-1:2001 Class 2.-.1
Supply Voltage Range	120 / 230V ±10% (60 / 50Hz)
Port Connections Nitrogen Outlet Air Inlet †	1/4" Compression Fitting 1/4" Compression Fitting

†Non compressor models only

## Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight (with compressor)	
	mm	in	mm	in	mm	in	kg	lb
LCMS 15-1	705	27.8	510	20.1	826	32.5	129	284
LCMS 20-1	705	27.8	510	20.1	826	32.5	129	284
LCMS 30-1	705	27.8	510	20.1	826	32.5	129	284

  

Model	Height (H)		Width (W)		Depth (D)		Weight (without compressor)	
	mm	in	mm	in	mm	in	kg	lb
LCMS 15-0	705	27.8	510	20.1	559	22.0	89	196
LCMS 20-0	705	27.8	510	20.1	559	22.0	89	196
LCMS 30-0	705	27.8	510	20.1	760	22.9	135	298
LCMS 40-0	705	27.8	510	20.1	760	22.9	135	298
LCMS 50-0	705	27.8	510	20.1	760	22.9	135	298

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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