

# Nitrogen Generators

for LC/MS applications - with optional economy mode



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.



## Contact Information:

**Parker Hannifin Manufacturing Limited**  
domnick hunter Filtration and Separation Division  
Dukesway, Team Valley Trading Estate  
Gateshead, Tyne and Wear  
England NE11 0PZ

**Tel: +44 (0)191 402 9000**

**Fax: +44 (0)191 482 6296**

**Email: [gasgen@parker.com](mailto:gasgen@parker.com)**

**[www.parker.com/dhfn](http://www.parker.com/dhfn)**

## Product Features:

- Ultra high purity, organic free, nitrogen
- Produces a continuous supply of LC/MS grade nitrogen 24 hours a day
- Integral oil free compressor, with noise reduction technology
- Optional ECOMax economy module to increase compressor life
- Compact, reliable with minimal operator attention and maintenance
- Phthalate-free componentry

## 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	>98	130	7	101.5	NO
LCMS30-1	30	>98	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

Note: Add suffix 'E' for 207-253V 50/60Hz ie LCMS15-0-E Add suffix 'W' for 103 -126V 60Hz ie LCMS15-0-W

## Technical Data

Ambient Temperature Range	5 - 40°C 41 - 104°F
Inlet Air Quality †	Clean dry compressed air ISO8573-1:2010 Class 3.2.1
Supply Voltage Range	103 - 126V 60Hz 207 - 253V 50/60Hz
Port Connections Nitrogen Outlet / Air Inlet †	1/4" Compression Fitting

†Non compressor models only

## LCMS-ECOMax Add-on-Module (Optional Extra)

Product	Description	Compatibility	Installation	Height (H)		Width (W)		Depth (D)		Weight	
				mm	in	mm	in	mm	in	Kg	lb
LCMS-ECOMax-230V	Enables economy mode cycle supplying nitrogen gas only when required, whilst maintaining constant purity	LCMS15-50 models with and without integral compressor	All required fittings supplied with ECOMax module	103	4.06	303	11.93	408	16.06	7.8	17.2

## 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

## Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit - all models	606272251	12 Months
Compressor Kit 230V - Option 1 models	606272253	12 Months
Compressor Kit 120V - Option 1 models	606272261	12 Months

## Optional Extra's

Description	Part Number	Required for
Installation kit	IK7572	Suitable for all LCMS nitrogen generators