

Nitrogen and Dry Air Generators

for Varian LC/MS instruments



The Parker domnick hunter LCMS20/3 dual flow nitrogen and dry air generators employ robust, field proven technology to meet the nebulisation requirements of Varian LC/MS instruments, both in positive and negative ionisation mode.

The LCMS20/3 generators provide two continuous streams of high purity nitrogen and dry air 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
	Nebulisation Nitrogen (positive ionisation mode)	Nebulisation Dry Air (negative ionisation mode)	Nebulisation Nitrogen (positive ionisation mode)	Nebulisation Dry Air (negative ionisation mode)		bar g	psi g	
	L/min	L/min	%	°C (dew point)				
LCMS20/3-0	20	3	>99	-40	85	7	101.5	NO
LCMS20/3-1	20	3	>99	-40	n/a	7	101.5	YES

*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	Outlet Inlet †
	1/4" Compression Fitting 1/4" Compression Fitting

†Non compressor models only

Weights and Dimensions

Model	Height (H)		Width (W)		Depth (D)		Weight	
	mm	in	mm	in	mm	in	kg	lb
LCMS20/3-0	705	27.8	510	20.1	559	22	103	227
LCMS20/3-1	705	27.8	510	20.1	826	32.5	143	315

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

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