

Nitrogen and Dry Air Generators

for 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 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.



Product Features:

- Complete 'Plug and Play' system specifically designed for LC/MS
- Produces a continuous supply of LC/MS grade nitrogen 24 hours a day
- Integral oil free compressor, with noise reduction technology
- Eliminate inconvenient and potentially dangerous nitrogen cylinders
- 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
	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)	L/min			
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

Note: Add suffix 'E' for 207-253V 50/60Hz ie. LCMS20/3-0-E
Add suffix 'W' for 103 -126V 60Hz ie. LCMS20/3-0-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 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

Preventative Maintenance

Preventative Maintenance Kit	Part Number	Change Frequency
Filter Kit	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