



# LC/MS Nitrogen Generators

for use with  
Varian LC/MS Instruments



domnick hunter's LC/MS nitrogen generators are specifically designed to meet the gas flow, purity and pressure requirements of the entire range of Varian LC/MS instruments including the 320-MS Single or Triple Quadrupole, as well as the 500 Ion Trap.

Flow rates range from 12 L/min to 40 L/min and provide complete flexibility allowing single or multiple instruments to be supplied by one generator. In addition, the domnick hunter LCMS12/2 is the only single system solution on the market suitable for use with both ionization modes of the Varian LC/MS instruments. The generator employs a pressure swing adsorption technique to deliver continuous streams of clean, dry nitrogen and air without the need for secondary purification.

When operating the LC/MS in positive ionization mode, nitrogen is used for drying, auxiliary and nebulizing gas. The

generator also produces clean dry air for use as nebulizing gas in the negative ionization mode.

Models featuring integral oil-free compressors give increased security of supply, completely removing the reliance on an external compressed air source.

All domnick hunter products are built with ease of use and reliability as the two most important criteria. We recognize that our generators are supporting critical applications and the goal of maximum uptime is of paramount importance. In pursuit of this goal, total support preventative maintenance agreements are available for purchase with any of our systems ensuring peace of mind while providing a fixed cost of ownership and automatic extension of the manufacturer's warranty for up to 10 years.

## Features

- Suitable for nebulizing, auxiliary and drying gas
- Fully regenerative, proven durability PSA technology
- Phthalate-free
- Integral oil-free compressor (optional)
- Soundproofed compressor box
- Digital Interface
- CE, UL and CRN approved
- Global manufacturing support

NOTICE: This document contains references to Varian. Please note that Varian, Inc. is now part of Agilent Technologies. For more information, go to [www.agilent.com/chem](http://www.agilent.com/chem).



Agilent Technologies

## Benefits

- **Improved instrument performance**  
Guaranteed consistent nitrogen purity improves stability and ensures greater reproducibility of results
- **Low and stable gas supply costs**  
Payback in less than 18 months
- **Single box solution**  
Fewer connections, less hassle
- **Security of supply**  
Integral oil-free compressors removes the reliance on dedicated compressed air supplies
- **Reduced Health and Safety risks**  
No manual handling or high pressure gas storage
- **Peace of mind**  
Service contracts and extended warranty available
- **Effortless operation**  
Nitrogen and air at the push of a button
- **Expert advice**  
Over 20 years experience of PSA system design

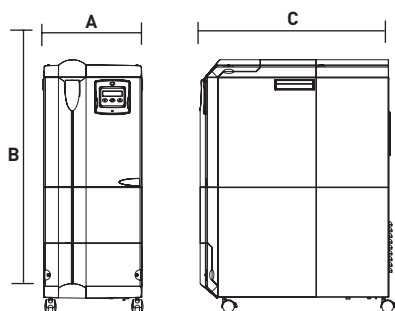
# Technical Specifications

Varian Instrument	domnick hunter Generator	Flowrate L/min		Purity %O <sub>2</sub>		Connections			Voltage AC	Dimensions ins			Weight lbs
		N <sub>2</sub>	Air	N <sub>2</sub>	Air	Air inlet	N <sub>2</sub> outlet	Air outlet		A	B	C	
320-MS or 500IT	G4-510W*	12	-	<0.5	-	-	¼" Swagelock	-	115	14	35	27	250
320-MS or 500IT	G4-510E*	12	-	<0.5	-	-	¼" Swagelock	-	230	14	35	27	250
320-MS or 500IT	G4-600W	18	-	<0.5	-	¼" Swagelock	¼" Swagelock	-	115	14	35	27	170
320-MS or 500IT	G4-600E	18	-	<0.5	-	¼" Swagelock	¼" Swagelock	-	230	14	35	27	170
320-MS or 500IT	LCMS12/2 -1W*	12	2	<0.5	-55C adp	-	¼" Swagelock	¼" Swagelock	115	21	28	33	315
320-MS or 500IT	LCMS12/2-1E*	12	2	<0.5	-55C adp	-	¼" Swagelock	¼" Swagelock	230	21	28	33	315
2x(320-MS or 500IT)	LCMS30-1W*	30	-	1	-	-	¼" Swagelock	-	115	21	28	33	285
2x(320-MS or 500IT)	LCMS30-1E*	30	-	1	-	-	¼" Swagelock	-	230	21	28	33	285
3x(320-MS or 500IT)	LCMS40-0W	40	-	1	-	¼" Swagelock	¼" Swagelock	-	115	21	28	30	298
3x(320-MS or 500IT)	LCMS40-0E	40	-	1	-	¼" Swagelock	¼" Swagelock	-	230	21	28	30	298

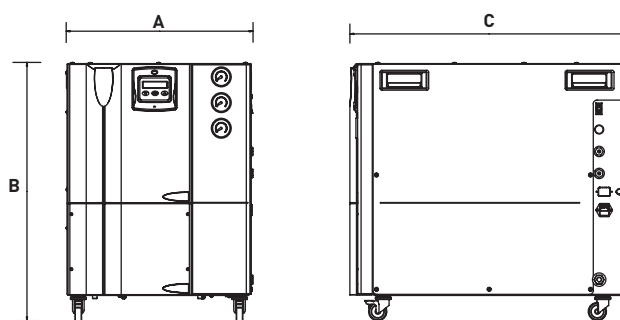
\* with integral compressor

The 320-MS is the new replacement instrument for the 1200L. The same gas generators that work for the 320-MS are also compatible with the 1200L instruments.

## G4-510 / G4-600



## LCMS 12/2 / LCMS 30/40



To ensure optimum performance and longevity of your LC/MS nitrogen/air generator, domnick hunter recommends the following service kits be used as part of a preventative maintenance program:

	Model	Filter Kit every 4000 hours	Compressor Kit every 8000 hours	Valve Kit every 24000 hours	Also required at 24000 hours if no compressor fitted
115 VAC Models	GC-510W*	60 627 2354	60 627 2339	60 627 2349	—
	G4-600W	60 627 2353	—	60 627 2347	N/A
	LCMS 12/2-1W*	60 627 2251	60 627 2261	60 627 2263	—
	LCMS 30-1W*	60 627 2251	60 627 2261	60 627 2263	—
	LCMS 40-0W	60 627 2251	—	60 627 2263	60 627 2265
230 VAC Models	GC-510E*	60 627 2354	60 627 2338	60 627 2344	—
	G4-600E	60 627 2353	—	60 627 2342	N/A
	LCMS 12/2-1E*	60 627 2251	60 627 2253	60 627 2255	—
	LCMS 30-1E*	60 627 2251	60 627 2253	60 627 2255	—
	LCMS 40-0E	60 627 2251	—	60 627 2255	60 627 2257

\* with integral compressor

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)

### dh Model Number

G4-510W  
G4-510E  
G4-600W  
G4-600E  
LCMS12/2-1W  
LCMS12/2-1E  
LCMS30-1W  
LCMS30-1E  
LCMS40-0W  
LCMS40-0E

### Varian Part Number

DH0HPLCMS12W  
DH0HPLCMS12E  
DH0HPLCMS18W  
DH0HPLCMS18E  
DHLCMS1221W  
DHLCMS1221E  
pass-thru  
pass-thru  
pass-thru  
pass-thru

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