

# HiQ® specialty gas generators.

## Nitrogen LC/MS Plus series.

The nitrogen LC/MS Plus gas generator works with PSA technique. Including integral oil-free air compressors as standard, the generator deliver a continuous stream of 99%+ pure nitrogen gas with a residual oxygen content of less than 1% at a flow rate of up to 35 liters per minute. The nitrogen LC/MS Plus gas generator is ideal for laboratory applications like all LC/MS techniques and other inert gas demanded applications.

The LC/MS Plus gas generators use a pressure swing adsorption (PSA) system that removes oxygen, carbon dioxide and water from compressed air. The standard PSA technology is combined with a dual step pressure management. This allows to get high flow, high purity and high pressure all together in a very economical way without stressing the components.

The nitrogen LC/MS Plus gas generators are designed and manufactured within a rigorous ISO9001 quality system.

### Advantages:

- Nitrogen produced at low pressure and ambient temperature removes the need for high pressure cylinders or liquid dewars
- A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required
- Up to 99%+ pure nitrogen gas produced as standard. No need for costly downstream secondary filtration
- Integral oil-free air compressor guarantees continuous gas supply, independent of inhouse compressed air supply
- The gas generator can easily be installed in the laboratory

Technical data		
Max. N <sub>2</sub> flow rate (at 20°C, 1 bar and 99% purity)	35 l/min	
Delivery pressure	8 bar	120 psi
N <sub>2</sub> purity	>99%	
Oxygen content	<1%	
Index of protection	IP2x (acc. IEC 60529, rev 2.1)	
Temperature range	10–40 °C	50–104 °F
Noise level	<58 dB(A)	
Display	Microprocessor controlled graphic display, 128 x 64 pixels	
Power	230V/50Hz	110V/60Hz
Fuse	10A/230V	14A/110V
Dimensions (W/D/H)	48/83.5/64 cm	19/33/25.2"
Weight	110 kg	242.5 lbs

Model	Description	HiQ® code
LCMS-Plus-230	LC/MS N <sub>2</sub> , 35 l/min, 230V	6007
LCMS-Plus-110	LC/MS N <sub>2</sub> , 35 l/min, 110V	6008

### Maintenance

LCMS-Plus-4000K	4000 hours maintenance kit	5986
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Certification:





HiQ® LC/MS Plus nitrogen generator.

HiQ® LC/MS Plus nitrogen generator in principal.

