

SOURCE LC/MS TriGas Generator Series

Model LCMS-5000NA

GENERATORS

Description: The Airgas® SOURCE LCMS-5000NA TriGas Generator is a completely engineered system designed to deliver pure nitrogen for curtain gas, pure zero grade air as gas-1/gas-2 source gases and dry -40°F dew point air as source exhaust. The system is designed to produce gases which meet and exceed the requirements of any LC/MS requiring three independent gases. The system consists of six functional technologies: Coalescing pre-filtration with timed solenoid drains, self regenerating compressed air dehydration membranes, a proprietary heated catalysis module, elegant self-regenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media. These technologies are integrated to a reliable scroll compressor.

The Airgas SOURCE LCMS-5000NA TriGas Generator will provide enough gas for a single LC/MS instrument on a continual basis.



The generator can be connected easily, be located in the lab, and features independent stainless steel output gas ports carefully matched to the instrument.

With a Airgas SOURCE LCMS-5000NA TriGas Generator, you control all your LC/MS gas supplies.

Design Features

- Generates pure nitrogen, zero air and source exhaust air from compressed air
- Prevents running out of gases during LC/MS instrument operation
- Preserves valuable laboratory space and maximizes LC/MS instrument uptime
- Reliable scroll compressor, quiet 49 dB(A) operation at a safe, low pressure
- Gas purity to 99.999% and no phthalates
- Turnkey system that eliminates stainless steel regulators and gas distribution panels
- Supplies pure nitrogen, zero grade air and source exhaust air
- Produced and manufactured by an ISO 9001 registered organization
- Operates continuously 24 hours a day, 7 days a week
- Minimal annual maintenance
- Easy installation and whisper quiet operation
- Floor standing on movable casters
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

Principal Specifications

Model	LCMS-5000NA
Curtain gas (nitrogen)	to 10 lpm and 80 psi
Source gas (uhp zero grade air)	to 23 lpm and 110 psi
Exhaust gas (dry air)	to 8 lpm and 60 psi
Compressor included	Yes - Scroll
Atmospheric dewpoint	-40°F
Hydrocarbons	<0.1 ppm measured as methane
Particles > 0.01 micron	None
Phthalates	None
Suspended liquids	None
Outlets	1/4" tube - stainless steel - 3 each
Dimensions	26"D x 45"W x 43"H
Pressure gauges	3 each
Electrical requirements	120vac, 60Hz, 15 amp and 230vac, 60Hz, 3 amp*
Noise level	< 49 dB(A)
Weight	564 lbs. (256 kgs)

*Please call 1-800-939-5711 for voltage and plug configurations outside North America.

Ordering Information

Product Number	Description
Y80-LCMS5000NAPM	Source LC/MS Trigas Generator
Y80-IKLCMS5000	Installation Kit
Y80-LCMS5000NAPM	Preventive Maintenance Plan
Y80-A030194	Voltage Booster
Y80-114001 (specify length)	3/8" Plastic Tubing for Remote Compressor Use