

## SOURCE LC/MS TriGas Generator Series

Model LCMS-5001TNA

GENERATORS

**Description:** The Airgas® SOURCE LCMS TriGas Generator is a completely engineered system designed to transform ordinary compressed air into 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 selfregenerating nitrogen retentate membranes, high capacity - high sensitivity carbon absorption modules and carefully matched final filtration membrane media.

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

The generator can connect easily to an existing compressed air supply line and features independent stain-



less steel output gas ports carefully matched to the instrument. Gas distribution, pressure and flow control are integral to each TriGas generator.

With a Airgas SOURCE LCMS 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, silent 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 silent operation
- Floor standing, includes internal economizer air receiver system
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

### Principal Specifications

<b>Curtain gas (nitrogen)</b>	to 10 lpm and 80 psi
<b>Source gas (uhp zero grade air)</b>	to 23 lpm and 110 psi
<b>Exhaust gas (dry air)</b>	to 8 lpm and 60 psi
<b>Air pressure required</b>	85-145 psi (>100 psi suggested)
<b>Pressure dewpoint</b>	-40°F
<b>Hydrocarbons</b>	<0.1 ppm measured as methane
<b>Particles</b>	> 0.01 micron None
<b>Phthalates</b>	None
<b>Suspended Liquids</b>	None
<b>Inlet</b>	3/8" tubing (presto)
<b>Outlets</b>	1/4" tube - stainless steel - 3 each
<b>Dimensions</b>	25"D x 20"W x 43"H
<b>Pressure gauges</b>	3 each
<b>Electrical requirements</b>	120vac, 60Hz, 3 amp*
<b>Noise</b>	Silent operation
<b>Weight</b>	224 lbs (102 kgs)

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

### Ordering Information

Model	Description
Y80-LCMS5001TNA	Source Trigas Generator
Y80-IKLCMS5000	Installation Kit
Y80-LCMS5001TNAPM	Preventive Maintenance Plan
Y80-LCMS5001TDN2	Extended Support with 24 Month Warranty