

## SOURCE LC/MS TriGas Generator Series

Model LCMS-5001NTNA

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 stainless steel output gas ports carefully matched to the instrument.

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
- Listed to U.S. & Canadian safety standards
- Carries CE Marking/Compliant to WEEE standard

### Principal Specifications

| Principal Specifications        |                                      |
|---------------------------------|--------------------------------------|
| Model                           | LCMS-5001NTNA                        |
| 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                  |
| Air pressure required           | 85-145 psi (> 100 psi suggested)     |
| Pressure dewpoint               | -40°F                                |
| Hydrocarbons                    | <0.1 ppm measured as methane         |
| Particles                       | > 0.01 micron None                   |
| Phthalates                      | None                                 |
| Suspended Liquids               | None                                 |
| Inlet                           | 3/8" tube (presto)                   |
| Outlets                         | 1/4" tube - stainless steel - 3 each |
| Dimensions                      | 16"D x 23"W x 41"H                   |
| Pressure gauges                 | 3 each                               |
| Electrical requirements         | 20vac, 60Hz, 3 amp*                  |
| Noise                           | Silent operation                     |
| Weight                          | 110 lbs. (50 kgs)                    |

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

### Ordering Information

| Model              | Description                             |
|--------------------|---|
| Y80-LCMS5001NTNA   | Source LC/MS Trigas Generator           |
| Y80-IKLCMS5000     | Installation Kit                        |
| Y80-LCMS5001NTNAPM | Preventive Maintenance Plan             |
| Y80-LCMS5001NTDN2  | Extended Support with 24 Month Warranty |