**SOURCE LC/MS TriGas Generator Series**

*Model LCMS-5001NTNA*

### 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

<table>
<thead>
<tr>
<th>Model</th>
<th>LCMS-5001NTNA</th>
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</thead>
<tbody>
<tr>
<td>Curtain gas (nitrogen)</td>
<td>to 10 lpm and 80 psi</td>
</tr>
<tr>
<td>Source gas (uhp zero grade air)</td>
<td>to 23 lpm and 110 psi</td>
</tr>
<tr>
<td>Exhaust gas (dry air)</td>
<td>to 8 lpm and 60 psi</td>
</tr>
<tr>
<td>Air pressure required</td>
<td>85-145 psi (&gt; 100 psi suggested)</td>
</tr>
<tr>
<td>Pressure dewpoint</td>
<td>-40°F</td>
</tr>
<tr>
<td>Hydrocarbons</td>
<td>&lt;0.1 ppm measured as methane</td>
</tr>
<tr>
<td>Particles</td>
<td>&gt; 0.01 micron None</td>
</tr>
<tr>
<td>Phthalates</td>
<td>None</td>
</tr>
<tr>
<td>Suspended Liquids</td>
<td>None</td>
</tr>
<tr>
<td>Inlet</td>
<td>3/8” tube (presto)</td>
</tr>
<tr>
<td>Outlets</td>
<td>1/4” tube - stainless steel - 3 each</td>
</tr>
<tr>
<td>Dimensions</td>
<td>16”D x 23”W x 41”H</td>
</tr>
<tr>
<td>Pressure gauges</td>
<td>3 each</td>
</tr>
<tr>
<td>Electrical requirements</td>
<td>20vac, 60Hz, 3 amp*</td>
</tr>
<tr>
<td>Noise</td>
<td>Silent operation</td>
</tr>
<tr>
<td>Weight</td>
<td>110 lbs. (50 kgs)</td>
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</tbody>
</table>

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

### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y80-LCMS5001NTNA</td>
<td>Source LC/MS Trigas Generator</td>
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<tr>
<td>Y80-IKCMS5000</td>
<td>Installation Kit</td>
</tr>
<tr>
<td>Y80-LCMS5001NTNAPM</td>
<td>Preventive Maintenance Plan</td>
</tr>
<tr>
<td>Y80-LCMS5001NTDN2</td>
<td>Extended Support with 24 Month Warranty</td>
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</tbody>
</table>