GAS PURIFIERS-Model 8000A (high capacity units)

DESCRIPTION
The model 8000A replaceable cartridge gas purifier is similar to the Model 8010 but is designed for higher capacities and a lower working pressure. The Model 8000A is constructed of a machined aluminum shell that accepts a large capacity cartridge. This shell may be permanently mounted when installed in the gas line and can be serviced without disturbing the line connections. Spring pressure holds the replaceable cartridge tightly against the bottom gasket to prevent the gas to be purified from bypassing the cartridge. The side inlet is located at the bottom of the unit oriented 90° from the outlet located at the top of the unit.

The model 8000A purifier shell must be used in conjunction with specially designed replaceable cartridges (Model 8000-1, 8000-2, or 8000-3) filled with various adsorbents. These are described below. These cartridges are shipped in hermetically sealed cans with convenient pull-tab ends for easy opening. This improved packaging ensures full retention of capacity in storage until the time of use.

MATERIALS OF CONSTRUCTION
Shell body: anodized aluminum
Gaskets: buna-N
Cartridges:
- 8000-1 Molecular Sieve 13x
- 8000-2 Molecular Sieve 4A
- 8000-3 Activated Charcoal
- 8010-5 Molecular Sieve 3A
- 8010-6 Molecular Sieve 5A

SPECIFICATIONS
Max. Operating Pressure: 1500 psig
Operating Temperature: -40° to +200°F.
Inlet and Outlet Ports: 1/4" NPT female
Dimensions: 4 1/2" dia. x 15 9/16" long
Weight with Cartridge: 12.4 lbs.
Dew Point Achievable: -100°F.

HOW TO ORDER

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Absorption Capacity</th>
<th>General Application</th>
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<tbody>
<tr>
<td>8000A</td>
<td>Purifier Shell Only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8000-1</td>
<td>Molecular Sieve 13x</td>
<td>126 grams water</td>
<td>Removal of oil and water from inert gases and saturated hydrocarbons</td>
</tr>
<tr>
<td>8000-2</td>
<td>Molecular Sieve 4A</td>
<td>134 grams water</td>
<td>Removal of water</td>
</tr>
<tr>
<td>8000-3</td>
<td>Activated Charcoal</td>
<td></td>
<td>Removal of heavy hydrocarbons acetone level control in acetylene used for atomic absorption (Warning: Do not use with oxygen concentrations in excess of 21%)</td>
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<tr>
<td>8000-5</td>
<td>Molecular Sieve 3A</td>
<td></td>
<td>Removal of water from unsaturated hydrocarbons such as acetylene</td>
</tr>
<tr>
<td>8000-6</td>
<td>Molecular Sieve 5A</td>
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