

GAS PURIFIERS-Model 8000 (high capacity units)

DESCRIPTION

The model 8000 replaceable cartridge gas purifier is similar to the Model 8010 but is designed for higher capacities and a lower working pressure. The Model 8000 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 8000 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.



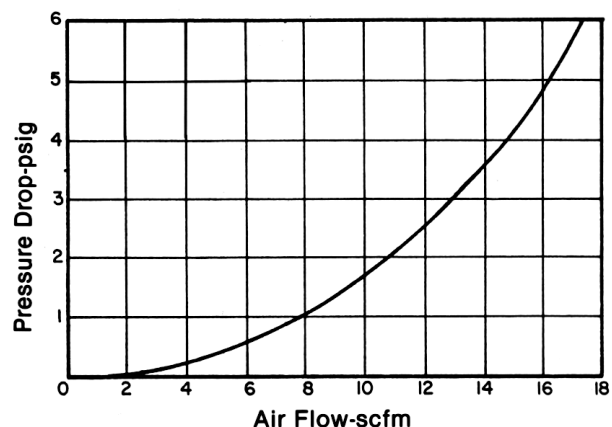
MATERIALS OF CONSTRUCTION Shell body: anodized aluminum Gaskets: buna-N

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: 12.6 lbs.
Dew Point Achievable: -100°F.

PRESSURE DROP VS. FLOW



HOW TO ORDER

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