

High Capacity High Flow Purifier

Description: The Airgas high capacity high flow purifier is constructed of a machined aluminum shell that accepts a large capacity cartridge. The aluminum shell can be permanently mounted when installed in the gas line and can be serviced without disturbing the line connections. Spring pressure holds the cartridge tightly against the bottom gasket to prevent the gas to be purified from bypassing the cartridge. The inlet is located at the bottom side of the purifier and the outlet is located at the top.

This Airgas purifier shell must be used in conjunction with specially designed replacement cartridges. These cartridges are supplied in a hermetically sealed can with convenient pull-tab ends for easy opening.

Specifications	
Maximum Operating Pressure	1500 psig
Operating Temperature	-40°F to 200°F
Inlet and Outlet Ports	¼" NPT female
Dimensions	4-1/2" dia x 15-9/16" long
Dew Point Achievable	-100°F
Weight with Cartridge	12.6 lbs

Materials	
Shell Body	Aluminum
Gasket	Buna-N
Cartridges	See below

Ordering Information			
Product Number	Description	Absorption Capacity	Application
Y40-HFPS8000	Purifier Shell Only		
Y40-HF13X8001	Molecular Sieve 13X	126 grams of water	Removal of oil & water from inert gases and saturated hydrocarbons
Y40-HF4A8002	Molecular Sieve 4A	134 grams of water	Removal of water
Y40-HFAC8003	Activated Charcoal (Do not use with oxygen concentrations in excess of 21%)		Removal of heavy hydrocarbons acetone level control in acetylene used for atomic absorption
Y40-HF3A8004	Molecular Sieve 3A		Removal of water from unsaturated hydrocarbons such as acetylene
Y40-HF5A8002	Molecular Sieve 5A		

This purifier is not suitable for oxygen service

High Capacity High Flow

PURIFIER



Design Features

- Handles large flow rates up to 15 SCFM
- Hermetically sealed replacement materials