



## Model 460

### Low Pressure / High Capacity Gas Purifier

#### Description

The Model 460 Gas Purifier is similar in operation to the Model 450B; however, this purifier is specifically designed for higher capacities of contaminant removal and lower working line pressure. The Model 460 is constructed of an aluminum housing that accepts large capacity cartridges. The housing may be permanently installed in the line and may be serviced without disturbing the line connections (assure 12" clearance space under flanged end). Spring pressure seats the replaceable cartridge tightly against the top gasket to prevent gas from bypassing the cartridge. The inlet is on the side and the outlet is on the top.



The Model 460 purifier must be used with replaceable cartridges 461, 462, or 463. Cartridges are shipped in hermetically sealed cans.

#### Specifications

Maximum Operating Pressure:	350 psig
Temperature Range:	-40 to 200°F (-40 to 93°C)
Maximum Flow Rate	10 scfm for short periods (<15 mins)
	1 to 3 scfm for extended use
Pressure Drop:	0.12 psi for 3 scfm
	1 psi for 7.5 scfm
Capacity:	461: 134 grams H <sub>2</sub> O
	462: 126 grams H <sub>2</sub> O
Dew Point Achieved:	-100°F (-73°C) (1.5 ppm)
Dimensions:	4-3/4" dia. x 16-3/4"L
Inlet & Outlet:	1/4" MPT, stainless steel (non-removable)
Shipping Weight:	7 lbs

#### Materials of Construction

Shell Body:	Aluminum
Strainer Assembly:	Monel & brass
Gaskets:	Neoprene (P/N GSK-0026-NB)
Cartridge:	461: 4A Molecular sieve
	462: 13X Molecular sieve
	463: Activated charcoal*

#### Ordering Information

Model No. (Housing)	Description
460	Purifier Housing (without cartridge)
Model No. (Cartridge)	Description
461	For Removal of Water
462	For Removal of Oil and Water
463	For Removal of Oil and Heavy Hydrocarbons

*This series is not suitable for acetylene*