

# Accessories

# FILTERS & VALVES

## MOLECULAR SIEVE FILTER

The 580-1700 Series Filters are designed for use in high pressure, high purity laser gas systems to prevent the possible introduction of moisture into lasing and purge gas streams.



5801701 shown

## Materials & Specifications

### Housing

Brass barstock

### Seals

Buna-N®

### Inlet and Outlet Fittings

Brass 1/4" FPT

### Pressure Drop

2.4 PSIG (0.16 BAR) at 3 SCFM (85 lpm) Air

### Efficiency

99% original

### Maximum Inlet Pressure

3000 PSIG (210 BAR)

500 PSIG (34 BAR)

### Weight

4.4 lbs. (2 kg)

## Ordering Information

Part Number	Catalyst	Removal Capacity
5801701	Housing	N/A
5801723	13X Mole Sieve (removes CO <sub>2</sub> and water)	5.4 grams H <sub>2</sub> O
5801733	4A Mole Sieve (removes water)	6.5 grams H <sub>2</sub> O
5801753	Activated Carbon (removes C <sub>2</sub> and up)	7.2 grams C <sub>3</sub>
5801743	Sintered Bronze (removes 5µm particle)	99.5% efficiency

## MOLECULAR SIEVE FILTER

5021002-01-001  
Straight Purge



5022003-01-320 Tee Purge

The 502 Series Purges are designed for use with laser purity gases to ensure system integrity during the breakdown of components or during gas source changes. By preventing the release of gases into the workplace and by preventing air from infiltrating high purity systems, purges ensure safety and gas quality.

The Tee Purge, installed at a regulator inlet connection, is an effective method for purging a regulator and the downstream system.

The Straight Purge, best suited for pressure cycling or dilution purging, connects to a regulator body through an auxiliary high pressure port. The purged gas is vented through the regulator body to a safe location downstream.

## Materials & Specifications

### Seat

PCTFE

### Diaphragms (Purge and Center Valves)

Elgiloy®

### Check Valve Seat

Viton®

### Cv

0.27

### Maximum Pressure

3000 PSIG (210 BAR)

## Ordering Information

Part Number	Material	Purge Type	Weight
5021002-01-001	Brass barstock	Straight Purge	1.2 lbs. (0.54 kg)
5022003-01-CON	Brass barstock	Tee Purge	2.5 lbs. (1.12 kg)
5022010-01-000	Brass barstock	Right Manifold Tee Purge	2.5 lbs. (1.12 kg)
5022011-01-000	Brass barstock	Left Manifold Tee Purge	2.5 lbs. (1.12 kg)