



TEM-700 SERIES GAS FILTERS

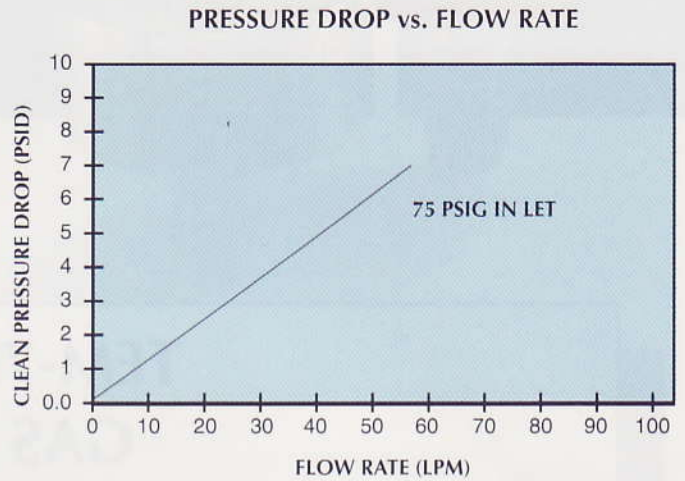
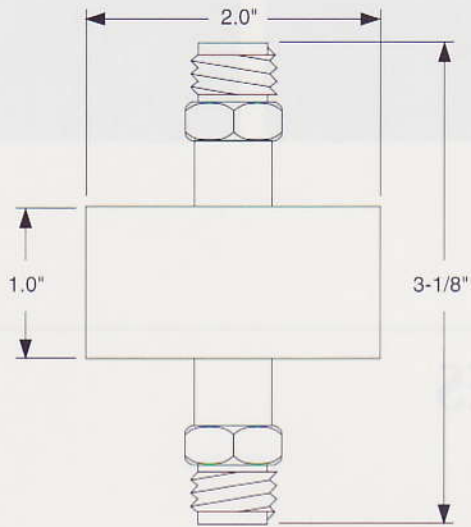
- ▶ For Precision Filtration of Semi Grade Gases
- ▶ 99.9999% Efficient @ 0.01 Microns
- ▶ Depth-type Unbindered Glass Fiber Supported by 316L Fiber Mesh
- ▶ Completely Free of Organic Materials
- ▶ 316L Electro-polished Construction
- ▶ 250 psi (17kg/cm²) @ 250°F
- ▶ 750°F (400°C) Maximum Operating Temperature
- ▶ Helium Leak Tested to 1 X 10⁻⁹ cc/sec

TEM 's-700 Series filters are designed specifically for precision filtration of reactive and halogenated gases used throughout the micro-electronics industry. This improved family of filters provide 99.9999% efficiency at .01 microns. Constructed exclusively of 316L stainless steel and 100% glass microfibers, there are no organic materials to interfere with semi-processes.

Glass fiber has long been a highly efficient filter media which eliminates common problems associated with membrane construction. It is inert and can therefore be used to filter most any gas. Glass fiber has a low Delta P and has no temperature limitations. Combined with depth-type construction which utilizes no binders or epoxies, it will not add particulate or chemical contaminants.

For added margin of safety, depth construction also provides a dirt holding capacity of 10-20 times that of membrane filters. Media migration and unloading due to pulsations is eliminated through the use of a porous sintered stainless steel filter. There are no fragile welds or glued joints as in membrane type filters, that can rupture with commonly occurring gas system pulsations.

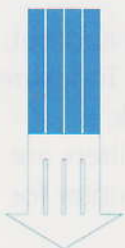
All TEM filters are electro-polished inside and out, and nitrogen purged for total cleanliness. To insure maximum safety, all filters are helium leak checked to not exceed 1x10⁻⁹cc/sec. All filters are also individually tested with a particle counter for guaranteed performance.



FILTER CHART

TEM Model	Fitting Description
TEM-711	1/4" Swagelok* Fittings
TEM-713	1/4" VCR* Female-Male Fittings
TEM-714	1/4" VCR* Female-Female Fittings
TEM-715	1/4" VCR* Male-Male Fittings
TEM-720	1/4" Parker Female-Male Fittings
TEM-723	1/4" VCO Female-Male Fittings
TEM-724	1/4" VCO Female-Female Fittings
TEM-725	1/4" VCO Male-Male Fittings

* VCR or Swagelok compatible face seals may be substituted.



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