

GasPro™ TEM-700

High-Temperature Glass Fiber- 316L In-Line Filter

GasPro™ TEM-700 Series filters are specifically designed for filtration of reactive and halogenated microelectronics gases. This all-welded assembly will deliver highly efficient 0.01 micron filtration where a high flow rate and low delta P is required and space is limited. A variety of fitting types is offered for easy installation. The unbindered glass fiber depth media is supported by a 316L fiber mesh enclosed in a 316L stainless steel electro-polished welded housing has 10-20 times the dirt holding capacity of similar size membrane filters.

Final assembly is purged with filtrated nitrogen for initial cleanliness. GasPro™ TEM-700 is also suited for high temperature applications to 400C/ 750F.



Features and Benefits

- **0.01 micron Filter Rating**
Up to 99.9999% retention efficiency at ≥ 0.01 microns
- **High Flow**
See performance chart for GasPro™ TEM-700
- **PTFE Media / Polypropylene / Viton construction**
0.11 m² (1.2 ft²) PTFE filter media provides excellent flow and chemical resistance.
- **100% Glass Microfiber supported by 316L SS Mesh**
- **Electro-polished 316L housing**
The filter assemblies have a 10Ra electro-polished 316L stainless steel housing to prevent corrosion and particle formation.
- **Temperature and Pressure**
Operating pressure rating of 17.2 bar (250 psig) at 121°C (250°F) .
Maximum temperature rating of 400°C (750°F) .
- **Cleanroom manufactured**
Our GasPro™ TEM-700 filters are manufactured in a cleanroom to insure particle free, chemically clean, and organic-free handling and bagging to provide high out-of-package cleanliness. Additional preconditioning is optional.
- **100% helium tested to greater than 1x10⁻⁹ atm cc/second.**

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Specifications

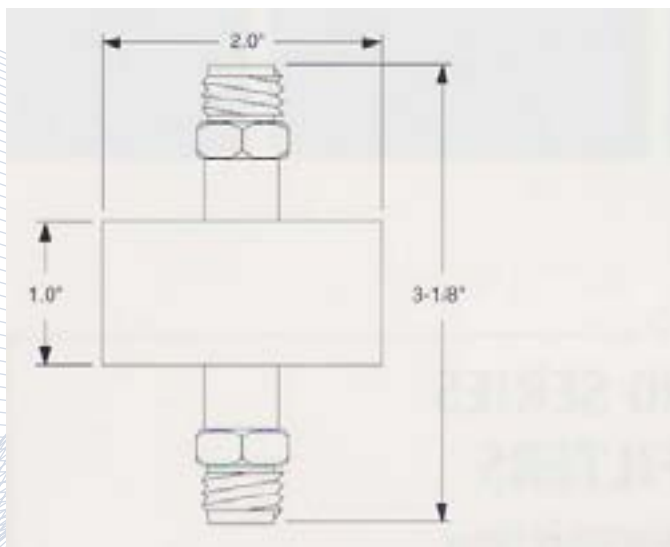
Part Numbers / Ordering Information

Part Number	Inlet / Outlet Fittings	Filter Media / Housing	Length (L)
TEM-711	1/4" compression inlet/outlet	Glass fiber / 316L Stainless Steel	3.125" (79.4mm)
TEM-711-6	3/8" compression inlet/outlet		3.125" (79.4mm)
TEM-711-8	1/2" compression inlet/outlet		3.125" (79.4mm)
TEM-713	1/4" female-male face seal		3.125" (79.4mm)
TEM-714	1/4" female face seal inlet/outlet		3.125" (79.4mm)
TEM-715	1/4" male face seal inlet/outlet		3.125" (79.4mm)
TEM-723	1/4" female-male VCO*		3.125" (79.4mm)
TEM-724	1/4" female-female VCO*		3.125" (79.4mm)
TEM-725*	1/4" Male-male VCO*		3.125" (79.4mm)

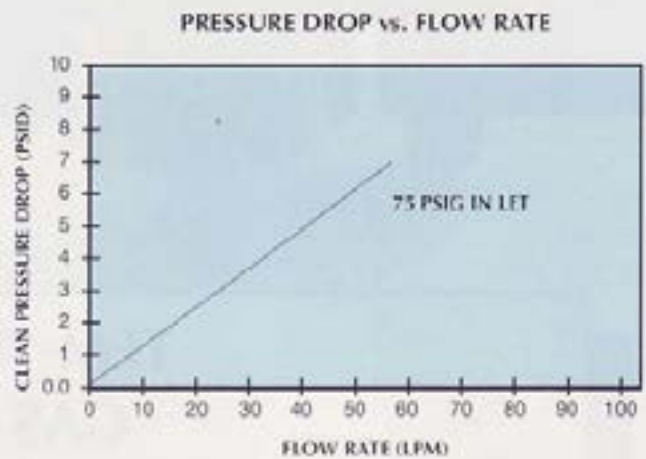
* FEP encapsulated FKM O-rings are available upon request.

* Not all fittings, lengths, and part numbers are shown on the chart. Please contact your Porvair or an approved Porvair distributor for special length and fitting options.

Dimensions



Gas Flow Rate / Pressure Drop



porvair
filtration group

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