

GasPro™ TEM-700

High Temperature Glass
Fibre 316-L In-Line Filter

GasPro™ TEM-700 series filters are specifically designed for the 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.

The un-bindered glass fibre depth media is supported by a 316L fibre mesh enclosed in a 316L stainless steel electro-polished welded housing, which has 10-20 times the dirt holding capacity of similar size membrane filters. Final assembly is purged with filtrated nitrogen for initial cleanliness.

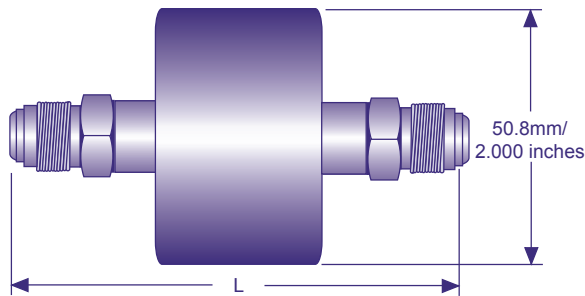
GasPro™ TEM-700 is also suited for high temperature applications to 400°C (750°F).

A variety of fitting types is offered for easy installation.

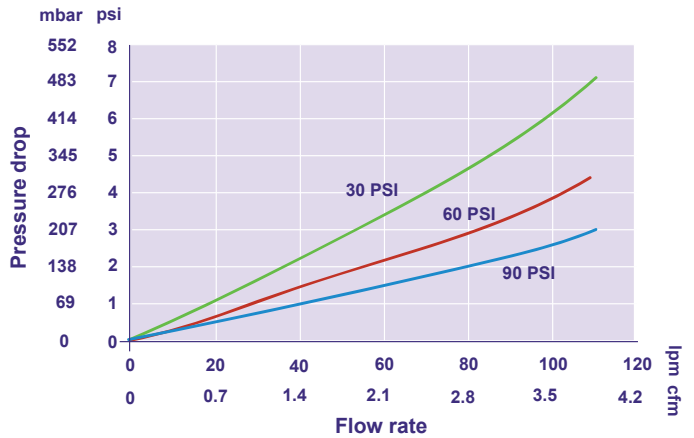


Features and Benefits

- **0.01 micron filter rating**
Up to 99.999% retention efficiency @ 0.01 microns
- **High flow**
See performance chart for GasPro™ TEM-700
- **Glass microfibre**
100% glass microfibre supported by 316-L SS mesh
- **Electro-polished 316L housing**
- **Maximum operating temperature**
400°C (750°F)
- **Maximum operating pressure**
17.2bar (250psig)
- **Cleanroom manufactured**
Our GasPro™ TEM-700 filters are manufactured in a cleanroom to ensure particle free, chemically clean, and organic-free handling and bagging to provide high out-of-package cleanliness.
- **100% helium**
100% helium leak tested to greater than 1x10⁻⁹ atm cc/second.



Gas flow rate Vs Pressure drop: TEM-715-8: 1/2 inch VCR



TEM-700 Part Numbers and Ordering Information

Part number	Inlet/outlet fittings	Filter media/housing	Length (L)
TEM-711	1/4" compression inlet/outlet	Glass fibre/316L stainless steel	79.4mm (3.125")
TEM-711-8	1/2" compression inlet/outlet		88.9mm (3.5")
TEM-712	1/4" male/female face seal		79.4mm (3.125")
TEM-713	1/4" female/male face seal		79.4mm (3.125")
TEM-713-6	1/2" female/male face seal		98.4mm (3.875")
TEM-714	1/4" female face seal inlet/outlet		79.4mm (3.125")
TEM-715	1/4" male face seal inlet/outlet		79.4mm (3.125")
TEM-721	1/4" male VCO inlet/outlet		66.3mm (2.61")
TEM-724	1/4" female VCO inlet/outlet		79.4mm (3.125")
TEM-725*	1/4" male VCO inlet/outlet		78.2mm (3.08")

*VCO is a trademark of the Swagelok company.

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



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