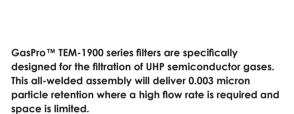
GasPro™ TEM-1900

High Purity All Fluoropolymer 316L In-Line Filter



A PTFE membrane and all fluoropolymer support structure is enclosed in a 316L stainless steel electropolished welded housing.

Final assembly is purged with filtrated nitrogen for initial cleanliness.

A variety of fitting types is offered for easy installation.

Applications

- Point-of-use filtration of process speciality gases.
- Low pressure to vacuum delivery of silicon precusors via vapor or inert carrier gas.



Specifications

- · 3nm filter rating
 - Our porous PTFE filters provide efficient particle retention efficiency at 0.003µm.
- Maximum operating temperature 121°C (250°F).
- Maximum operating pressure
 207 bar (3000 psig) at 20°C (68°F).

Features and benefits

 PTFE media / all fluoropolymer support structure

PTFE filter media provides excellent flow and chemical resistance.

• Electro-polished 316L housing

The filter assemblies have a 10Ra electropolished 316L stainless steel housing to prevent corrosion and particle formation.

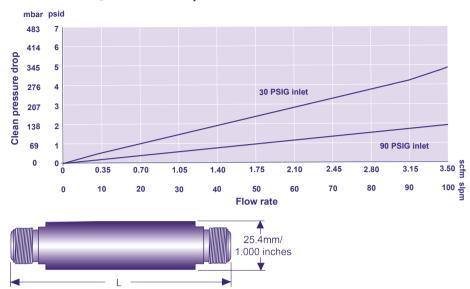
Cleanroom manufactured

Our GasPro™ TEM-1900 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. Additional preconditioning is optional.

• 100% Helium tested

100% Helium tested to greater than 1x10-9 atm cc/second.

Gas flow rate / Pressure drop



TEM-1900 Part Numbers and Ordering Information

Part Number	Inlet/Outlet Fittings	Filter Media / Housing	Other Materials	Length (L)
TEM-1911	1/4" compression inlet/outlet	PTFE / 316L stainless steel	All fluoropolymer / FEP encapsulated Viton®	116.8mm (4.6")
TEM-1911-6	3/8" compression inlet/outlet			122.2mm (4.81")
TEM-1911-8	1/2" compression inlet/outlet			122.7mm (4.83")
TEM-1915	1/4" male face seal inlet/outlet			127mm (5.00")
TEM-1915-6	3/8" male face seal inlet/outlet			133.4mm (5.25")
TEM-1915-8	1/4" butt weld inlet/outlet			133.4mm (5.25")
TEM-1950-8	1/2" butt weld inlet/outlet			130.3mm (5.13")

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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