

GasPro™

TEM-900

High Purity All-Fluoropolymer
316L In-Line Filter



GasPro™ TEM-900 series filters are designed for 3 nm particle retention up to flow rates of 30 slpm and temperatures up to 121°C (250°F)

Typical Applications

- Point-of-use semiconductor speciality gas filtration.
- Inert and speciality gas delivery.

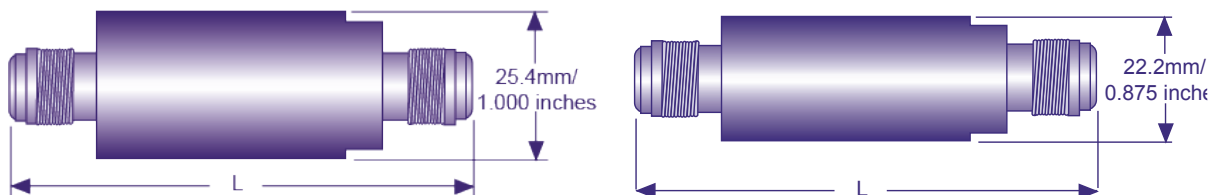
Specifications

- **Construction**
ePTFE membrane (9.82 cm² / 1.5 m²), with a PTFE support structure, within a 316L stainless steel housing. Various internal o-ring materials can be selected.
- **Filtration rating**
Our porous ePTFE filters provide efficient 3 nm particle retention.
- **Maximum operating temperature**
121°C (250°F) in inert gas.
- **Maximum operating pressure**
207 bar (3000 psig) at 20°C (68°F).

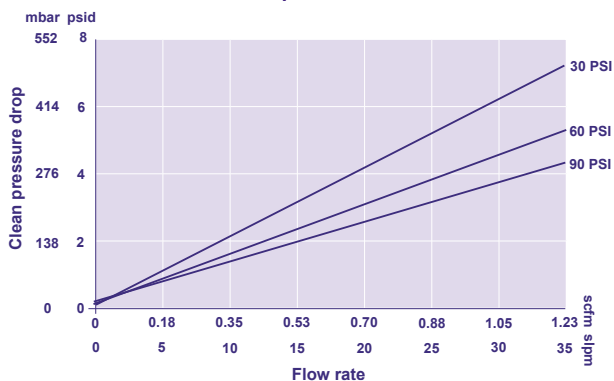
Features and Benefits

- **Electro-polished housing**
The filter assemblies have a 15Ra electro-polished 316L stainless steel housing to prevent corrosion and particle build-up on interior surfaces.
- **Out of package cleanliness**
Our GasPro™ TEM-900 filters are cleaned and packaged in a cleanroom with organic free handling for out-of-package, particle free, and chemical free cleanliness. Final assembly is purged with filtered nitrogen for initial cleanliness. Additional preconditioning is optional.
- **100% helium leak tested**
All units tested to 1x10⁻⁹ atm cc/second.

Specifications



Gas flow rate / Pressure drop



TEM-900 Part Numbers and Ordering Information

Part number	Inlet/outlet fittings	Filter media / housing	Other materials	Length (L)
TEM-911	1/4" compression inlet/outlet	PTFE / 316L stainless steel	PTFE / FEP / FKM	73.2 mm (2.88")
TEM-911s	1/4" compression inlet/outlet			73.2 mm (2.88")
TEM-911-6	3/8" compression inlet/outlet			89.4 mm (3.52")
TEM-912	1/4" male/female face seal			91.4 mm (3.60")
TEM-913	1/4" female/male face seal			87.8 mm (3.46")
TEM-914	1/4" female/female face seal			97.8 mm (3.85")
TEM-915	1/4" male face seal inlet/outlet			84.1 mm (3.31")
TEM-915s	1/4" male face seal inlet/outlet			84.1 mm (3.31")
TEM-915-8	1/2" male face seal inlet/outlet			84.1 mm (3.31")
TEM-925	1/4" male/male VCO**			76.2 mm (3.0")

**VCO is a trademark of the Swagelok company. VCO fitting seals are FKM.

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.