

GasPro™ TEM-1900

High Purity All-Fluoropolymer
316L In-Line Filter



GasPro™ TEM-1900 Series filters are designed for 3 nm particle retention up to flow rates of 100 slpm and temperatures of 121°C (250°F).

A variety of fitting types are offered for easy installation.

Applications

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

Specifications

- **Filtration rating**
Our porous PTFE 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).

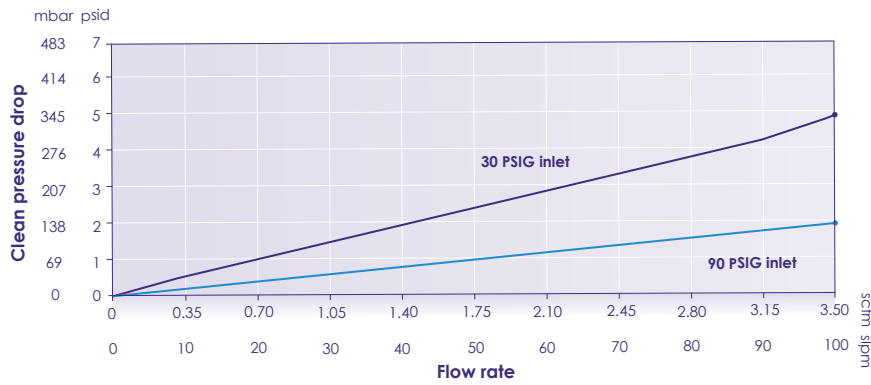
Features and benefits

- **Electro-polished housing**
The filter assemblies have a <10Ra electro-polished 316L stainless steel housing to prevent corrosion and particle build-up on interior surfaces.
- **Out of package cleanliness**
Our GasPro™ TEM-1900 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 vs 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 FKM	116.8 mm (4.6")
TEM-1911-6	3/8" compression inlet/outlet			122.2 mm (4.81")
TEM-1911-8	1/2" compression inlet/outlet			122.7 mm (4.83")
TEM-1915	1/4" male face seal inlet/outlet			127 mm (5.00")
TEM-1915-6	3/8" male face seal inlet/outlet			133.4 mm (5.25")
TEM-1915-8	1/2" male face seal inlet/outlet			133.4 mm (5.25")
TEM-1950-8	1/2" butt weld inlet/outlet			130.3 mm (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.