

GasPro™ TEM-1700

Ultra-High Purity All 316L
In-Line Filter



GasPro™ TEM-1700 Series filters are designed for 3 nm particle retention up to flow rates of 200 slpm and temperatures of 200°C (392°F).

The all 316L steel welded filter offers excellent bake-out characteristics for fast dry downs and in-line qualification.

Standard semiconductor industry fittings are offered for easy installation.

Specifications

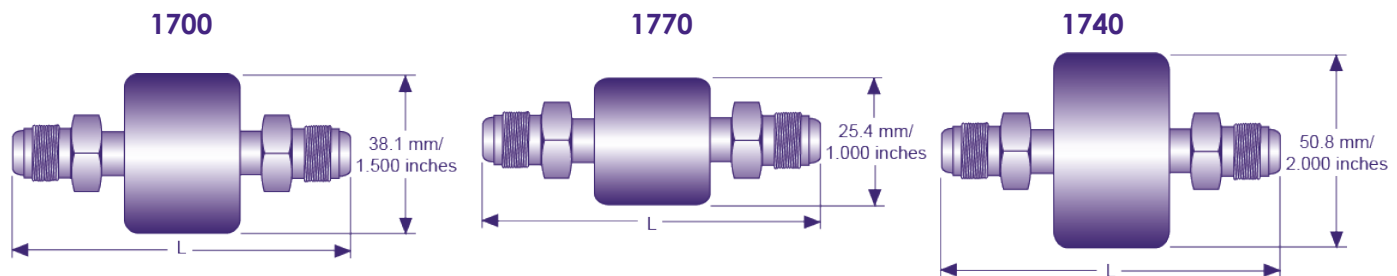
- **Filtration rating**
Efficient 3 nm particle retention.
- **Maximum operating temperature**
200°C (392°F) in inert gas.
- **Maximum operating pressure**
1700, 1740 and 1770 Series: 206.8 bar (3,000 psig) at 20°C (68°F).

Typical Applications

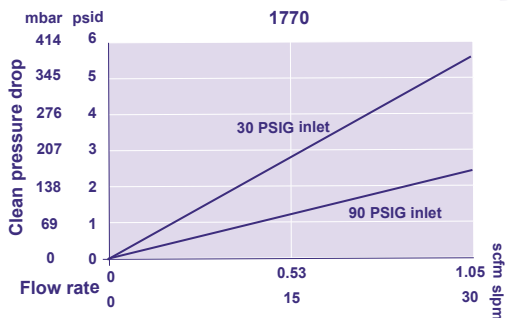
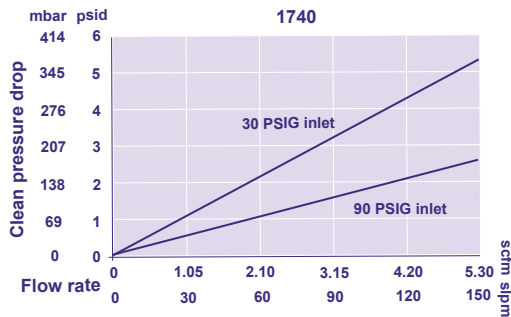
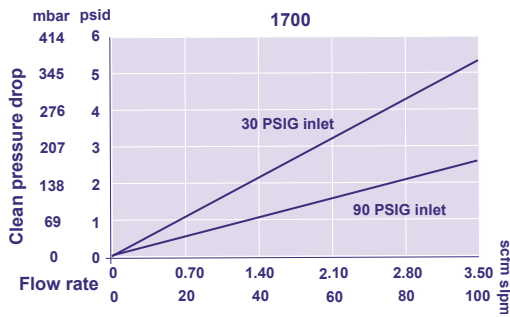
- Gas cabinet and stick specialty gas filtration.
- Gas panel point-of-use process gas filtration.

Features and Benefits

- **Construction**
All 316L stainless steel sintered fibre media and hardware.
- **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-1700 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 1×10^{-9} atm cc/second.



Specifications



TEM-1700 Part Numbers and Ordering Information

Part number	Rated flow	Description*	Filter media / housing	Filter housing OD	Length (L)
TEM-1771	30 slpm	1/4" compression	All 316L	25.4mm / 1.00"	73 mm (2.88")
TEM-1772		1/4" M/F face seal			84 mm (3.31")
TEM-1773		1/4" F/M face seal			84 mm (3.31")
TEM-1774		1/4" F/F face seal			84 mm (3.31")
TEM-1775		1/4" M/M face seal			84 mm (3.31")
TEM-1711	100 slpm	1/4" compression	All 316L	38.1 mm / 1.50"	73 mm (2.88")
TEM-1712		1/4" M/F face seal			84 mm (3.31")
TEM-1713		1/4" F/M face seal			84 mm (3.31")
TEM-1714		1/4" F/F face seal			84 mm (3.31")
TEM-1715		1/4" M/M face seal			84 mm (3.31")
TEM-1750		1/4" butt weld			50.8 mm (2.00")
TEM-1741	200 slpm	1/4" compression	All 316L	50.8 mm / 2.00"	73 mm (2.88")
TEM-1742		1/4" M/F face seal			84 mm (3.31")
TEM-1743		1/4" F/M face seal			84 mm (3.31")
TEM-1744		1/4" F/F face seal			84 mm (3.31")
TEM-1745		1/4" M/M face seal			84 mm (3.31")
TEM-17450		1/4" butt weld			44.5 mm (1.75")

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.