

# 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

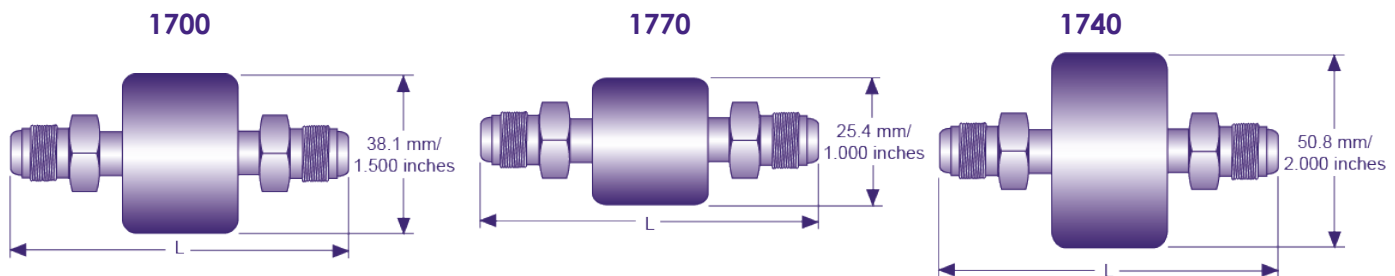
- **Filtration rating**  
Efficient 3 nm particle retention.
- **Maximum operating temperature**  
200°C (392°F) in inert gas.
- **Maximum operating pressure**  
1700, 1740 and 1770 Series: 206.8 bar (3,000 psig) at 20°C (68°F).

## Typical Applications

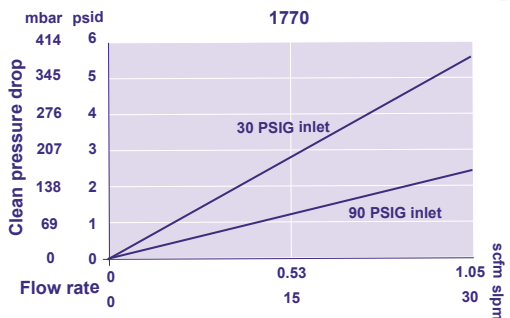
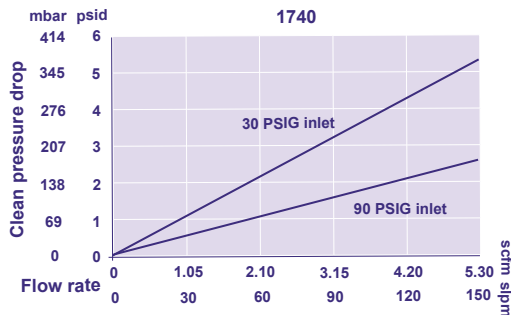
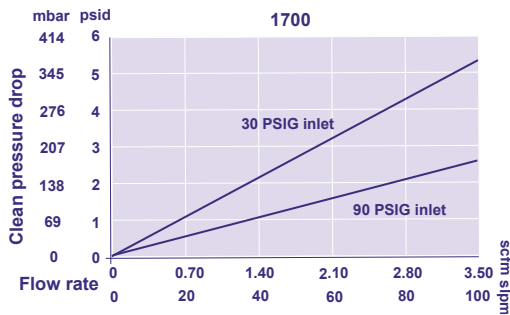
- Gas cabinet and stick specialty gas filtration.
- Gas panel point-of-use process gas filtration.

## 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  $1 \times 10^{-9}$  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			

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.