

GasPro™ TEM-1790

Ultra-High Purity All-316L In-Line Filter

GasPro™ TEM-1790 Series filters are specifically designed for higher flow filtration of UHP semiconductor gases when an all-metal design is required. This all-welded assembly will deliver 0.003 micron particle retention where a good flow rate and low pressure drop is required and space is limited. Standard semiconductor industry fittings are offered for easy installation.

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

Features and Benefits

- **3nm Filter Rating**
Efficient particle retention at $\geq 0.003\mu\text{m}$
- **High Flow**
Flow ratings to 708 lpm (25 scfm);
- **All welded sintered 316L stainless fiber media and hardware**
- **Electro-polished 316L housing**
The filter assemblies have a 7Ra electro-polished 316L stainless steel housing to prevent corrosion and particle formation.
- **Temperature and Pressure**
Maximum operating pressure rating of 207 bar (3,000 psig) at 121°C (250°F) in inert gases
- **Cleanroom manufactured**
Our GasPro™ TEM-1790 filters are manufactured in a cleanroom to insure particle free, chemically clean, and organic-free handling and bagging to provide high out-of-package cleanliness.
- **100% helium tested to greater than 1×10^{-9} atm cc/second.**

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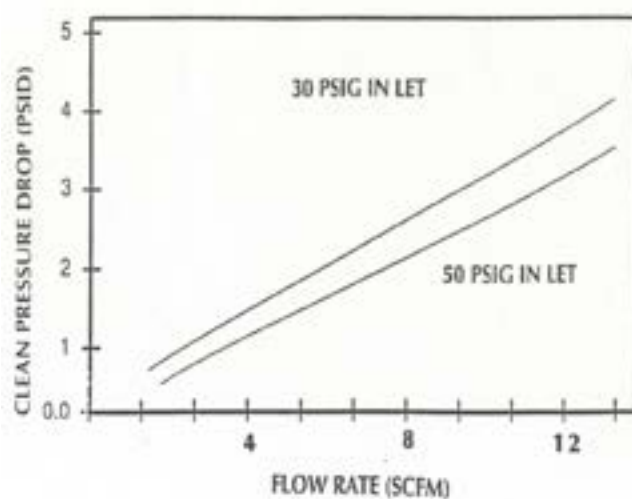
Specifications

Part Numbers / Ordering Information

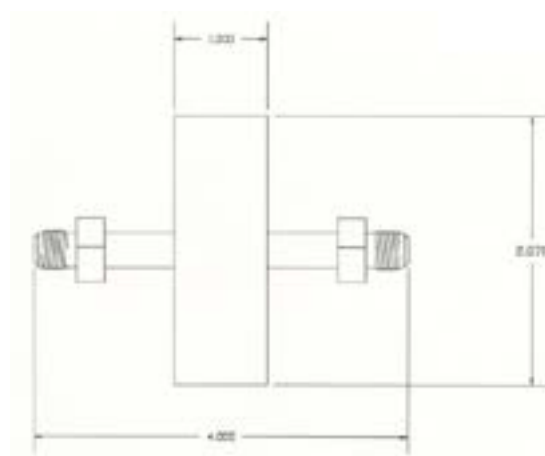
Part Number	Inlet/Outlet Fittings	Filter Media / Housing	Length (L)
TEM-1795-8	1/2" male face seal inlet/outlet	All 316L	4.0" (102mm)
TEM-17950-8	1/2" butt weld		4.0" (102mm)

* Consult your distributor or Porvair for additional fittings and sizes

Gas Flow Rate / Pressure Drop



Dimensions



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