

# GasPro™ TEM-1200

## Ultra-High Flow All-Fluoropolymer-316L In-Line Filter

GasPro™ TEM-1200 Series filters are specifically designed for filtration of UHP semiconductor gases when flow rates to 5,663 lpm (200 scfm) are required. This all-welded assembly will deliver 0.003 micron particle retention where a high flow rate is required and space is limited. A variety of fitting types is offered for easy installation.

A PTFE Membrane and all-fluoropolymer support structure is enclosed in a 316L stainless steel electro-polished welded housing. Final assembly is purged with filtered nitrogen for initial cleanliness.



### Features and Benefits

- **3nm Filter Rating**  
Our porous PTFE filters provide efficient particle retention efficiency at  $\geq 0.003\mu\text{m}$
- **High Flow**  
GasPro™ TEM-1200 is rated to 5,663 lpm (200 scfm)
- **PTFE Media / All fluoropolymer Support Structure**  
1.3 m<sup>2</sup> (14 ft<sup>2</sup>) PTFE filter media provides excellent flow and chemical resistance.
- **Electro-polished 316L housing**  
The filter assemblies have a 10Ra electro-polished 316L stainless steel housing to prevent corrosion and particle formation.
- **Temperature and Pressure**  
Operating temperature rating of 150°C (302°F) and Operating pressure rating of 17.2 bar (250 psig)
- **Cleanroom manufactured**  
Our GasPro™ TEM-1200 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. Additional preconditioning is optional.
- **100% helium tested to greater than 1x10<sup>-9</sup> atm cc/second.**

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# Specifications

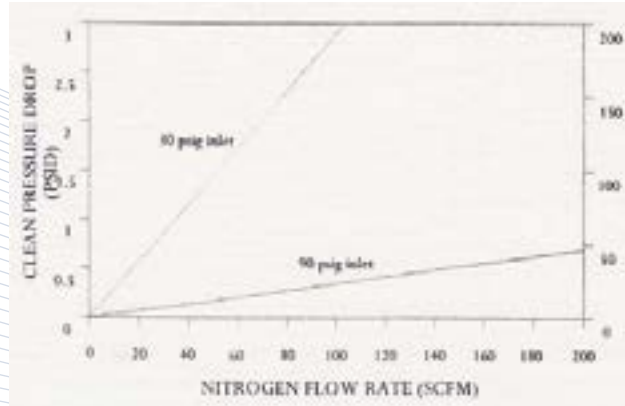
## Part Numbers / Ordering Information

Part Number	Inlet/Outlet Fittings	Filter Media / Housing	Other Material*	Length(L)
TEM-211-16	1.0" compression inlet/outlet	PFTE / 316L Stainless Steel	All Fluoropolymer / FEP encapsulated Viton	35.0" (889mm)
TEM-211-24	1.5" compression inlet/outlet			35.0" (889mm)
TEM-250-16	1.0" tube stub inlet/outlet			35.0" (889mm)
TEM-250-24	1.5" tube stub inlet/outlet			35.0" (889mm)
TEM-215-16	1.0" male gasket seal inlet/outlet			35.0" (889mm)
TEM-125-24	1.5" male gasket seal inlet/outlet			35.0" (889mm)

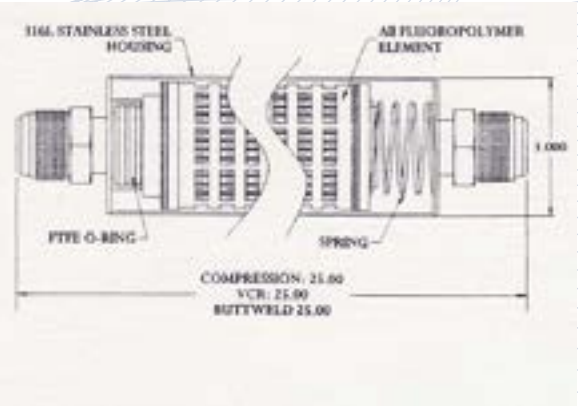
\* FEP encapsulated FKM O-rings are available upon request

\* 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.

## Gas flow Rate / Pressure Drop



## Dimensions



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