

GasProTMTEM-1500

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

GasPro^{IM}TEM-1500 Series filters are specifically designed for filtration of UHP semiconductor gases when flow rates to 991 lpm (35 scfm) are required. This all-welded assemply 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 filtrated nitrogen for initial cleanliness.



Features and Benefits

• 3nm Filter Rating

Our porous PTFE filters provide efficient particle retention efficiency at $\geq 0.003 \mu m$

High Flow GasProTM TEM -1500 is rated to 991 lpm(35 scfm)

PTFE Media / All fluoropolymer Support Structure 0.19 m2(2 ft2) 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-1500 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 1x10-9 atm cc/second.

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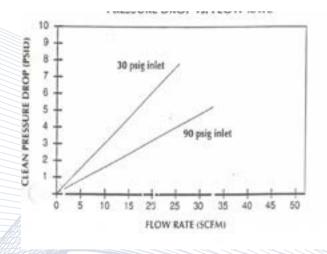


Part Numbers / Ordering Information

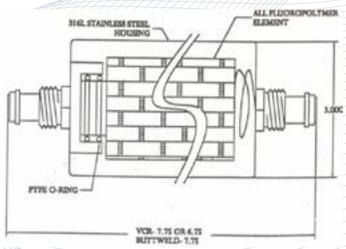
Part Number	Inlet/Outlet Fittings	Filter Media / Housing	Other Material*	Length(L) (in/mm)
TEM-1515-8	3/8" male face seal inlet/outlet	PTFE / 316L Stainless Steel	All Fluoropolymer / FEP encapsulated Viton	6.75/172
TEM-1515-8	1/2" male face seal inlet/outlet			7.75/197
TEM-1550-8	1/2" butt weld			7.75/197

^{*} FEP encapulated FKM O-rings are available upon request

Gass Flow Rate / Pressure Drop



Dimensions



filtration group

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^{*} 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.