

FilterTEF



Product Information

- The FilterTEF filter cartridge is designed and optimized to filter high-purity air and liquids. It ensures end-product purity and biological stability.
- The FilterTEF is inherently hydrophobic and contains no added surfactants or wetting agents.
- The FilterTEF has high performance because it uses a PTFE (polytetrafluoroethylene) membrane with a narrow pore size.
- This membrane produces a cartridge with a high flow rate, a long operating life, and consistent removal of microorganisms and inorganic particles.
- The FilterTEF is available with a filtration rating of 0.2 μm and an efficiency of 99.98% ($\beta 5000$).
- The FilterTEF membrane is biologically inert and has low protein-binding properties.

Quality Standards

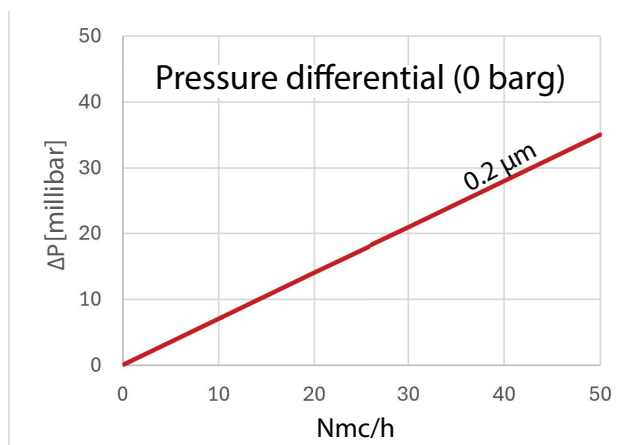
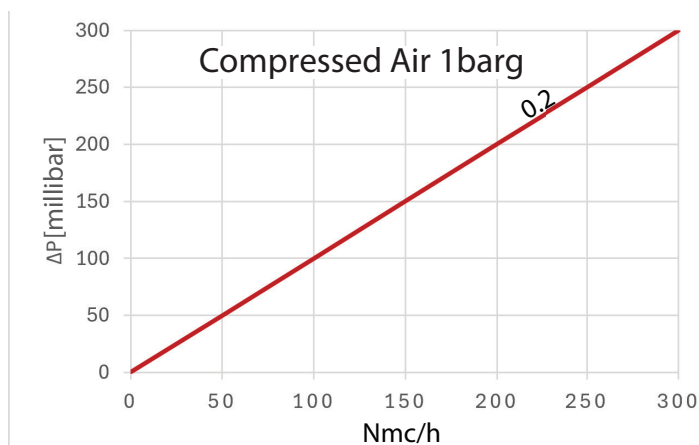
- The product is designed, developed, and manufactured to an ISO 9001-certified quality management system.
- The filters are validated as sterilizing-grade filters to current ASTM F-838 guidelines.
- Each element undergoes integrity testing by bubble point and diffusion tests.

Bio-Safety Standards

- The product is non-pyrogenic according to USP <85> Bacterial Endotoxins.
- The product passes the USP Plastic Class VI test and is non-fiber-releasing according to CFR21.

Typical Gas Flow Versus Differential Pressure

Water at 20 °C per 10" module



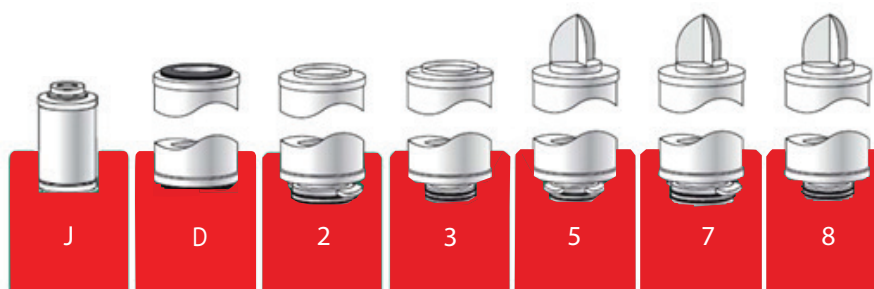
Technical Specifications

Materials of Construction		Microbial Retention Efficiency	
Filter Media	PTFE		
Support & Drainage Layers	Polypropylene		
Cage	Polypropylene	0.2 µm	Brevundimonas diminutia TR > 10 ⁷ / cm ²
Adapter Insert	AISI1316L		

Operating Conditions		Sterilisation	
Maximum Operating Temperature	Up to 70 °C		
Max Differential Pressure	5.0 bar at 24 °C	Steam / Autoclave	Up to 130 °C per 30 minutes
Max. Forward Flow Dp	1.8 bar at 50 °C		

Nominal Dimensions					Integrity Test Values
Junior					The Instructions for use on the cartridge packaging show the specification values for each filtration rate.
Length	62 mm	125 mm	Diameter	56 mm	
Standard					
Length	250 mm	500 mm	Diameter	70 mm	
	750 mm	1000 mm			

Order Information



Adapter Types						
PTEF	7	10	002	E	I	PH
Product ID	Adapter	Length	Filtration Rating	Gasket O-Ring Material	Insert	Version
PTEF	D = DOE (double open end) 2 = 226/2 bayonet/no fin 3 = 222/2 without fin 5 = 222/3 bayonet with fin 7 = 226/2 bayonet with fin 8 = 222/2 with fin	10" 250 mm 20" 500 mm 30" 750 mm 40" 1000 mm	002 = 0.2 µm	E = EPDM S = Silicone V = FPM X = FEP	I = with (*) 0 = without (*)When filter is to be sterilised with steam	PH = Pharma version
	J = JUNIOR	02" 62 mm 05" 125 mm				