COFILTERS

PTFE Pleated Cartridge Filter

PTFE series filters provide safe, sterile filtration for pharmaceutical and food & beverage applications

PTFE cartridge filters join our portfolio of filtration solutions that help ensure reliable product processing. Con-structed of polypropylene components and a hydrophobic polytetrafluoroethylene (PTFE) membrane, Pharmsteri™ cartridge filters are economical and efficient for use in various air and gas, pharmaceutical and food and beverage applications.



Air and gas filters.

APPLICATIONS

- Sterile filtration for air and gas
- Vent filtration

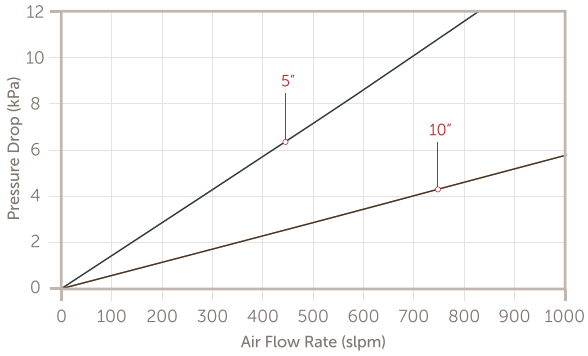
FEATURES & BENEFITS

All components meet USP <88> Class VI Plastics Test	Fits most stainless-steel housings, providing design flexibility and versatility in a broad range of applications
Sterilizing-grade materials meet Bacterial Challenge Test ASTM F838	Provides safe, sterile filtration for air and gas applications
100% integrity tested before release	Provides high quality for sterility assurance

SPECIFICATIONS

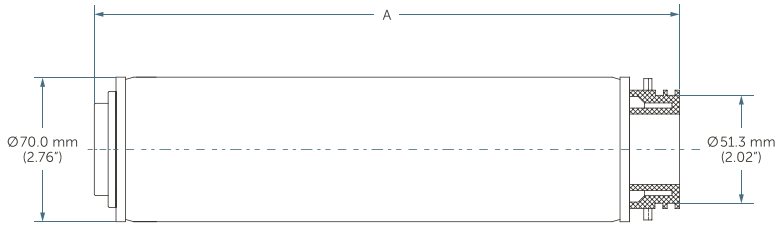
Retention rating	0.22 µm	
Materials	Media	Polytetrafluoroethylene (PTFE)
	Support	Polypropylene
	Sleeve, core, top, and end caps	Polypropylene
	O-ring	Silicone
Sealing technology	Thermal bonding without adhesives	
Filtration area	≥0.58 m^2 @ 10", ≥0.28 m^2 @ 5"	
Integrity test	Minimum bubble point at 60% isopropanol water, 25°C (77°F)	≥1155 mbar
	Minimum bubble point at 95% ethanol water, 25°C (77°F)	≥1100 mbar
	Water intrusion at 2620 mbar @ 25°C (77°F)	≤1.0 mL/min @ 5"
		≤1.4 mL/min @ 10"
Maximum operating conditions	Maximum forward differential pressure	4.2 bar @ 25°C (77°F), 2.0 bar @ 80°C (176°F)
Sterilization cycles	Maintained integrity after 100 cycles of forward steam-in-place (SIP) sterilization at 135°C (275°F) for 30 min, or 50 cycles of reverse SIP sterilization at 127°C (261°F) for 30 min,or 100 cycles of autoclave at 127°C (261°F) for 30 min	
Endotoxin releasing	<0.25 EU/mL according to the test methodology in USP	
TOC	<0.5 mg/L after a water flush of 5 L/10" cartridge	
Conductivity	≤1.3 µS/cm after water flush of 5 L/10" cartridge	
Particle release	Meets the requirements of WFI set by USP	
Non-fiber releasing	Meets the criteria for a non-fiber releasing filter defined in 21 CFR 210.3(b)(6)	
NVR	After autoclaving and 24-hours in 50% ethanol water with vibration (contact Entegris for details)	
Material toxicity	All components meet the requirements of the USP <88> Reactivity Test for Class VI Plastics	
	Filters meet the requirements of USP <87> Biological Reactivity Tests In Vitro Cytotoxicity	
Bacterial challenge test	Passed the bacterial challenge test using *Brevundimonas diminuta* (ATCC 19146) at a minimum challenge concentration $1x10^7$ CFU/cm^2 (0.22 µm) per ASTM F838	
Indirect food additive	Meets the FDA Indirect Food Additive requirements cited in 21 CFR 177-182	
Food contact material	(EU) No. 1935/2004, (EU) No. 10/2011	
Quality	Manufactured in accordance with ISO 9001 and ISO 13485 certified quality management system	

PERFORMANCE DATA



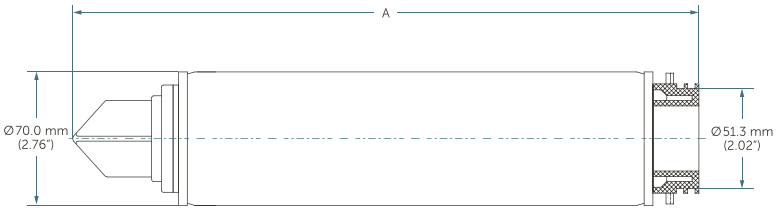
DIMENSIONS

Code 6



Length	Code 6 (A)
5"	150.5 mm (5.9")
10"	276.0 mm (10.9")
20"	520.0 mm (20.5")
30"	764.5 mm (30.1")

Code 7



Length	Code 7 (A)
5"	–
10"	316.5 mm (12.5")
20"	561.0 mm (22.1")
30"	805.5 mm (31.7")

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