

Pharmsteri™ PTFE Cartridge Filter

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

PSTT series PTFE cartridge filters join our portfolio of filtration solutions that help ensure reliable product processing. Constructed 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.

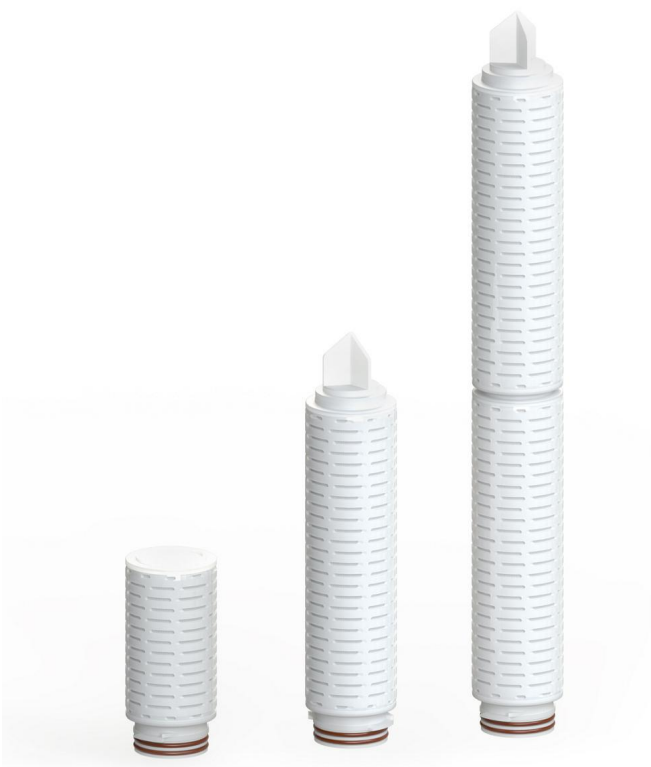
Our portfolio of Pharmsteri™ PTFE filters is 100% tested during manufacturing to ensuring high quality for sterility assurance. Various fitting sizes and types are available to provide design flexibility and versatility in a broad range of applications.

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

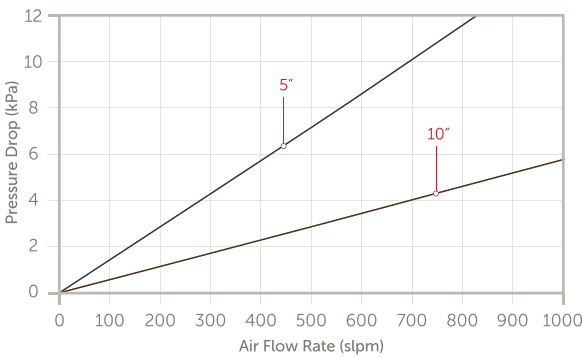


Air and gas filters.

SPECIFICATIONS

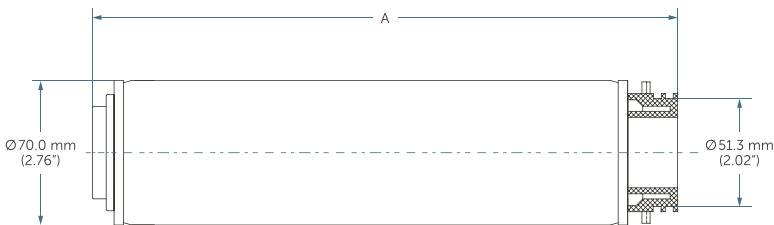
Retention rating	0.22 µm	
Materials	Media	Polytetrafluoroethylene (PTFE)
	Support	Polypropylene
	Sleeve, core, top, and end caps	Polypropylene
	O-ring	Silicone
Sealing technology	Thermal bonding without adhesives	
Filtration area	≥0.58 m ² @ 10", ≥0.28 m ² @ 5"	
Integrity test	Minimum bubble point at 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 <i>Brevundimonas diminuta</i> (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



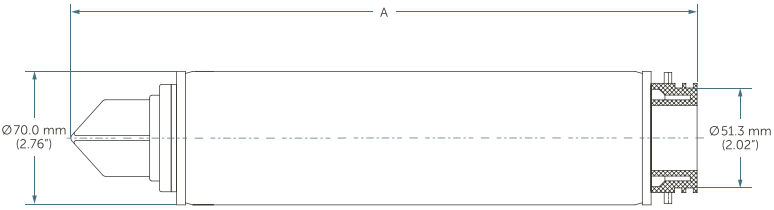
DIMENSIONS

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")

ORDERING INFORMATION

Part number	Connection	Length	O-ring	Retention rating
PSTT022605S1	Code 6	5"	Silicone	0.22 µm
PSTT022610S1	Code 6	10"	Silicone	0.22 µm
PSTT022620S1	Code 6	20"	Silicone	0.22 µm
PSTT022630S1	Code 6	30"	Silicone	0.22 µm
PSTT022710S1	Code 7	10"	Silicone	0.22 µm
PSTT022720S1	Code 7	20"	Silicone	0.22 µm
PSTT022730S1	Code 7	30"	Silicone	0.22 µm

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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