

# 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

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

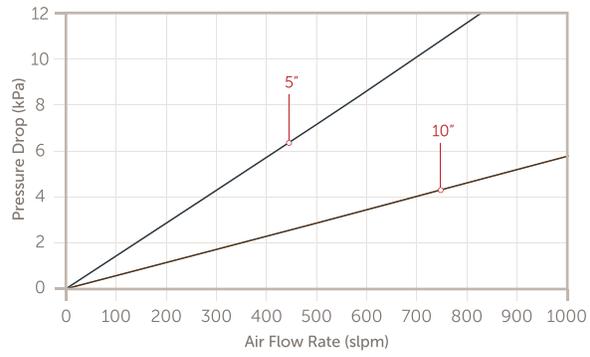


*Air and gas filters.*

## SPECIFICATIONS

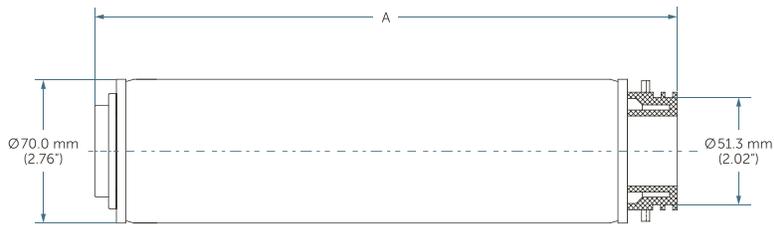
<b>Retention rating</b>	0.22 µm	
<b>Materials</b>	Media	Polytetrafluoroethylene (PTFE)
	Support	Polypropylene
	Sleeve, core, top, and end caps	Polypropylene
	O-ring	Silicone
<b>Sealing technology</b>	Thermal bonding without adhesives	
<b>Filtration area</b>	≥0.58 m <sup>2</sup> @ 10", ≥0.28 m <sup>2</sup> @ 5"	
<b>Integrity test</b>	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"
<b>Maximum operating conditions</b>	Maximum forward differential pressure	4.2 bar @ 25°C (77°F), 2.0 bar @ 80°C (176°F)
<b>Sterilization cycles</b>	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	
<b>Endotoxin releasing</b>	<0.25 EU/mL according to the test methodology in USP	
<b>TOC</b>	<0.5 mg/L after a water flush of 5 L/10" cartridge	
<b>Conductivity</b>	≤1.3 µS/cm after water flush of 5 L/10" cartridge	
<b>Particle release</b>	Meets the requirements of WFI set by USP	
<b>Non-fiber releasing</b>	Meets the criteria for a non-fiber releasing filter defined in 21 CFR 210.3(b)(6)	
<b>NVR</b>	After autoclaving and 24-hours in 50% ethanol water with vibration (contact Entegris for details)	
<b>Material toxicity</b>	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	
<b>Bacterial challenge test</b>	Passed the bacterial challenge test using <i>Brevundimonas diminuta</i> (ATCC 19146) at a minimum challenge concentration 1x10 <sup>7</sup> CFU/cm <sup>2</sup> (0.22 µm) per ASTM F838	
<b>Indirect food additive</b>	Meets the FDA Indirect Food Additive requirements cited in 21 CFR 177-182	
<b>Food contact material</b>	(EU) No. 1935/2004, (EU) No. 10/2011	
<b>Quality</b>	Manufactured in accordance with ISO 9001 and ISO 13485 certified quality management system	

## PERFORMANCE DATA



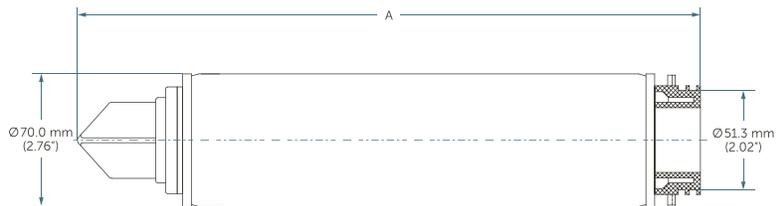
## DIMENSIONS

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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