

# PSTS Series PES Cartridge Filter

*PSTS filters provide economical filtration for a variety of applications*

PSTS series cartridge filters are constructed of polypropylene components and a hydrophilic polyethersulphone (PES) membrane, 100% integrity tested during manufacturing to guarantee filter integrity and sterility assurance.

**Note:** These filters are not available for North America and Europe. Please reach out to our specialists for other product recommendation for your applications.

## APPLICATIONS

- Facility water
- LVP/SVP
- Ophthalmic solutions
- API

## FEATURES & BENEFITS

<b>Easily wetted for integrity test</b>	Short preparation time required to have higher efficiency
<b>High flow rate and long service life</b>	Lower cost of ownership
<b>Proven compatibility with diverse injections</b>	Easier management with less part numbers



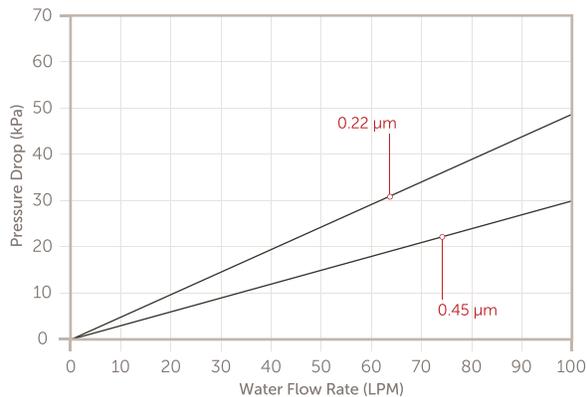
*Allows high flow and low pressure drop, lowering cost of ownership*

## SPECIFICATIONS

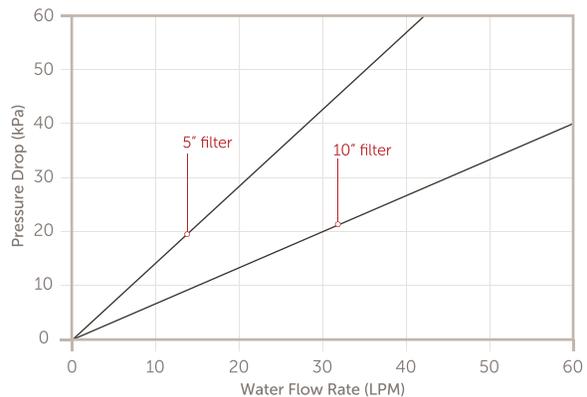
<b>Materials of construction</b>	Membrane	Hydrophilic PES
	Support	Polypropylene
	Core and Cage	Polypropylene
	End Caps	Polypropylene with stainless steel (SS) lining
	O-rings/Gasket	Silicone/EPDM
	Sealing technology	Thermal bonding, no adhesives
	<b>Dimensions</b>	Diameter
Length		5", 10", 20", 30", 40"
<b>Filtration area</b>	≥6.4 ft <sup>2</sup> per 10" cartridge	
<b>Retention rating</b>	0.1, 0.22, 0.45, 0.22+0.1, 0.22+0.22, 0.45+0.22 µm (Other retention rating on request)	
<b>Maximum differential pressure</b>	Forward:	4.2 bar @ 23°C (73°F), 1.0 bar @ 85°C (185°F)
<b>Integrity test-water bubble point at 23°C</b>	0.1 µm	≥3800 mbar
	0.22 µm	≥3400 mbar
	0.45 µm	≥2300 mbar
<b>Bacterial retention (for 0.1 µm &amp; 0.22 µm only)</b>	Passed the bacterial challenge testing using <i>Brevundimonas diminuta</i> (ATCC19146) at a minimum challenge concentration of 1 × 10 <sup>7</sup> CFU/cm <sup>2</sup>	
<b>Multiple sterilization cycles</b>	May be steam-in-place sterilization for maximum 20 cycles at 127°C (261°F), 30 min, ΔP≤300mbar	
	May be autoclaved for maximum 20 cycles at 123°C (253°F), 30 min	
	May be sanitized by hot water, maximum 30 cycles at 85°C (185°F)	
<b>Food contact material</b>	Meets the requirements of (EC) No 1935/2004	
<b>Indirect food additive</b>	Meets the FDA Indirect Food Additive requirements cited in 21 CFR 177-182	
<b>Quality</b>	Manufactured in accordance with ISO 9001 and ISO 13485 certified quality management system	

## PERFORMANCE DATA

10" Single-layer Cartridge Filter Flow Rate

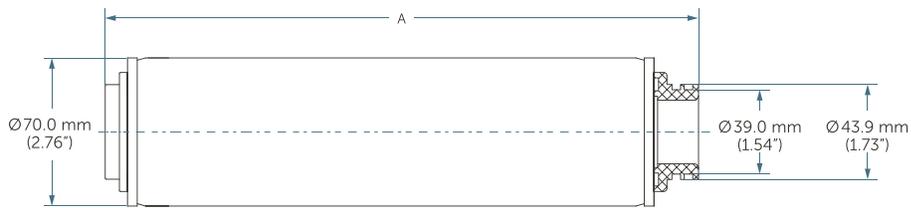


Dual-layer Cartridge Filter Flow Rate

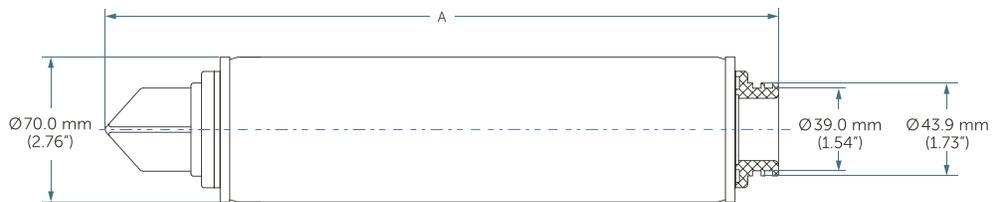


## DIMENSIONS

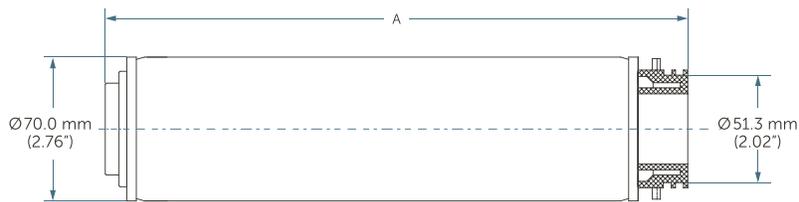
Ø70 mm Code 0 Filter



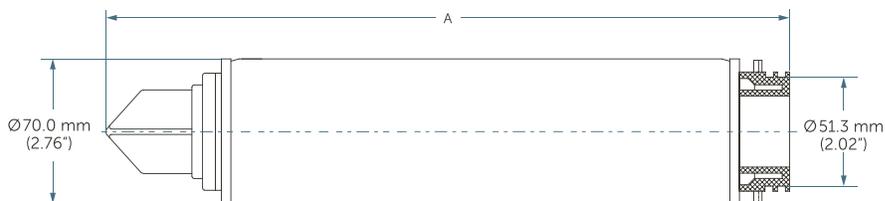
Ø70 mm Code 5 Filter



Ø70 mm Code 6 Filter



Ø70 mm Code 7 Filter

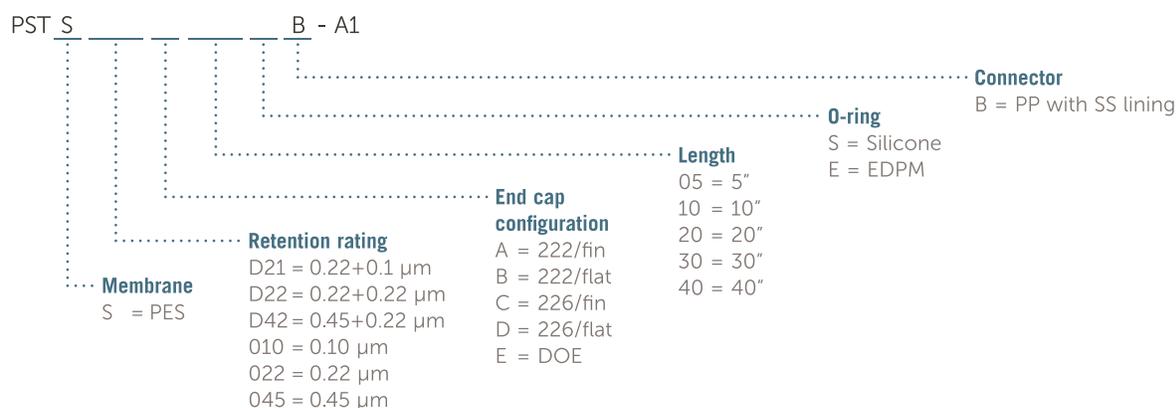


## DIMENSIONS

Length	Code 0 (A)	Code 5 (A)	Code 6 (A)	Code 7 (A)
5"	148.0 mm (5.8")	–	150.5 mm (5.9")	–
10"	273.0 mm (10.7")	314.0 mm (12.4")	276.0 mm (10.9")	316.5 mm (12.5")
20"	517.5 mm (20.4")	558.5 mm (22.0")	520.0 mm (20.5")	561.0 mm (22.1")
30"	762.0 mm (30.0")	803.0 mm (31.6")	764.5 mm (30.1")	805.5 mm (31.7")
40"	1006.5 mm (39.6")	1047.5 mm (41.2")	1009.0 mm (39.7")	1050.0 mm (41.3")

## ORDERING INFORMATION

PSTS Series PES Cartridge Filter: part number



Only B and D configurations for 5" filters.

## FOR MORE INFORMATION

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

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