

# ProcessGard® PES Cartridge Filters

*PES filters for weak acids, bases, and DI water filtration*

ProcessGard® PES cartridge filters are high-flow, longer-lifetime filters that are ideally suited for filtration of weak acids, bases, and ultrapure DI water for the electronics industry.

## APPLICATIONS

- Flat panel display; all rinsing application after wet etching and stripping
- Facility system – ultrapure DI water that requires high retention and longer lifetime

## FEATURES & BENEFITS

- Asymmetric PES structure provides longer lifetime and high flow rate
- Various retention ratings, fitting sizes, and types to meet various requirements
- Hydrophilic PES media eliminates prewetting treatment, reduces filter changeout time, and increases equipment uptime



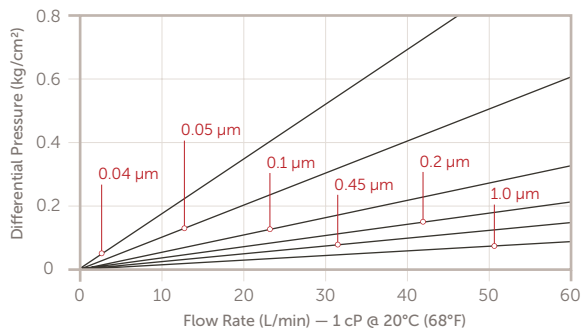
## SPECIFICATIONS

<b>Materials of construction</b>	Membrane,	Hydrophilic polyethersulfone
	Supports, core, sleeve	Polypropylene
	O-rings (AS568-222)	EPDM, FKM, E-FKM
<b>Dimensions (nominal)</b>	Length: 263 mm (10.35") Diameter: 70 mm (2.75")	
<b>Retention rating</b>	0.04, 0.05, 0.1, 0.2, 0.45, 1.0 $\mu\text{m}$	
<b>Operating conditions</b>	Maximum forward differential pressure: 0.5 MPa (5.0 bar, 73 psi) @ 20°C (68°F) 0.25 MPa (2.5 bar, 36 psi) @ 50°C (122°F) 0.2 MPa (2.0 bar, 29 psi) @ 90°C (194°F)  Maximum reverse differential pressure: 0.3 MPa (3.0 bar, 44 psi) @ 20°C (68°F)  Maximum operating temperature: 90°C (194°F)	

*Note: ProcessGard PES cartridge filters can be sterilized by autoclaving up to 25 cycles at 125°C or sterilized by steam-in-place up to 10 cycles at 135°C for 30 minutes at less than 0.3 bar differential pressure.*

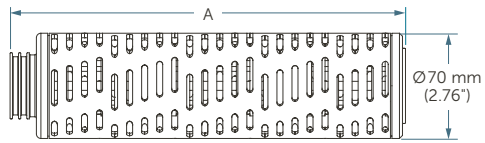
## PERFORMANCE DATA

ProcessGard PES Cartridge Filters



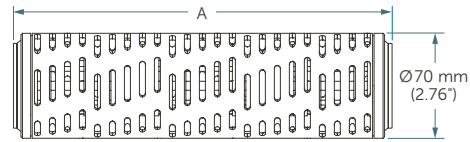
## DIMENSIONS

Ø70 mm Code 0 Filter



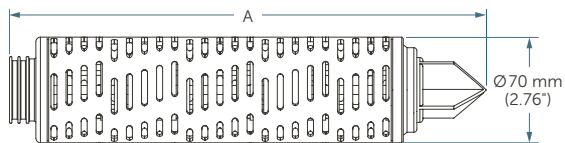
Length	A
4"	123.5 mm (4.9")
5"	145.5 mm (5.7")
10"	263 mm (10.4")
20"	506.5 mm (19.9")
30"	750.5 mm (29.5")
40"	994.5 mm (39.2")

Ø70 mm Code F Filter



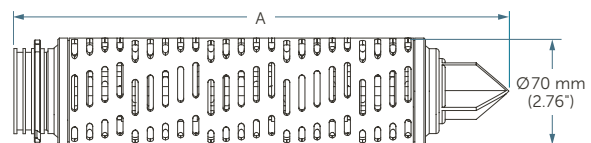
Length	A
10"	247 mm (9.7")
20"	491 mm (19.3")
30"	735 mm (28.9")
40"	979 mm (38.5")

Ø70 mm Code 5 Filter



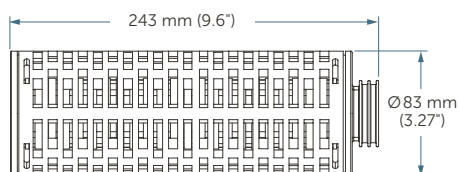
Length	A
10"	312.5 mm (12.3")
20"	556 mm (21.9")
30"	800 mm (31.5")
40"	1044 mm (41.1")

Ø70 mm Code 7 Filter



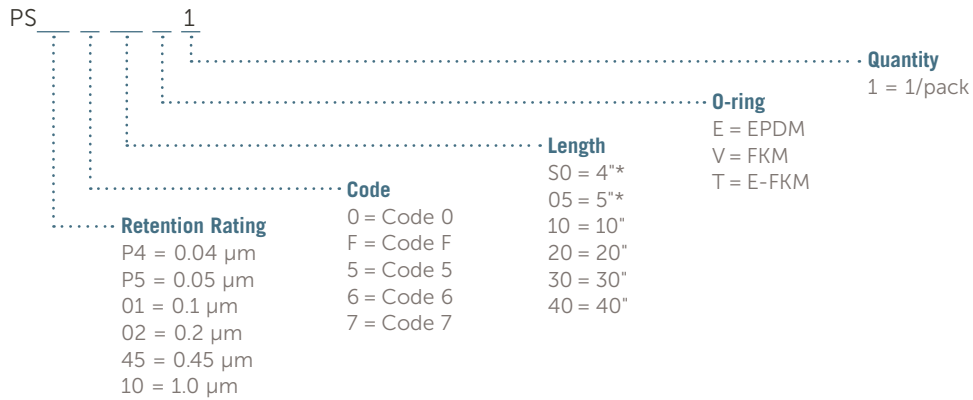
Length	A
10"	315 mm (12.4")
20"	558.5 mm (22.0")
30"	802 mm (31.6")
40"	1045.5 mm (41.2")

Ø83 mm Code 6 Filter



## ORDERING INFORMATION

ProcessGard PES Cartridge Filters: part number



\*For Code-0 Only

## 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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