



**PROCESSGARD® PES CARTRIDGE
AND DISPOSABLE FILTERS**

PES filters for weak acids, bases and DI water filtration



for high particle loading applications

Overview

ProcessGard® PES cartridge and disposable 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 and Benefits

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

ProcessGard PES Cartridge Filters

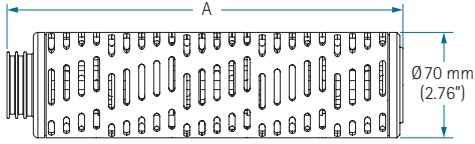
Specifications

Materials:	Membrane	Hydrophilic polyethersulfone
	Supports, core, sleeve	Polypropylene
	O-rings (AS568-222)	EPDM, fluoroelastomer, E-FKM (encapsulated fluoroelastomer)
Dimensions: (nominal)	Length	263 mm (10.35")
	Diameter	70 mm (2.75")
Operating conditions:	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)
Retention rating:	0.04, 0.05, 0.1, 0.2, 0.45 and 1.0 µm	

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.

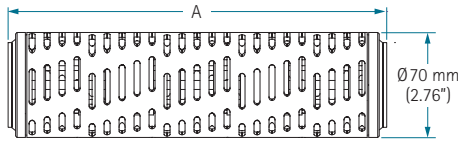
Dimensions

Ø70 MM CODE 0 FILTER



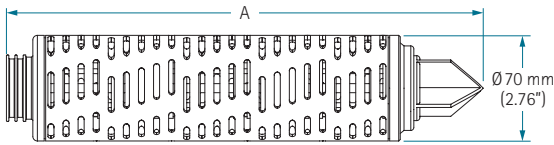
Length	A
5"	143 mm (5.63")
10"	263 mm (10.35")
20"	509 mm (20.04")
30"	756 mm (29.76")
40"	1002 mm (39.45")

Ø70 MM CODE F FILTER



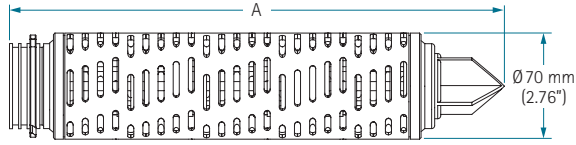
Length	A
5"	132 mm (5.20")
10"	253 mm (9.96")
20"	497 mm (19.57")
30"	745 mm (29.33")
40"	988 mm (38.90")

Ø70 MM CODE 5 FILTER



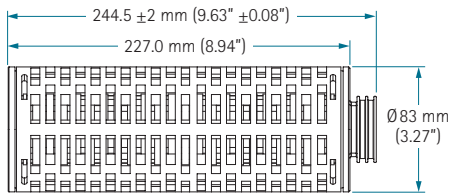
Length	A
5"	196 mm (7.72")
10"	316 mm (12.44")
20"	562 mm (22.13")
30"	809 mm (31.85")
40"	1055 mm (41.54")

Ø70 MM CODE 7 FILTER

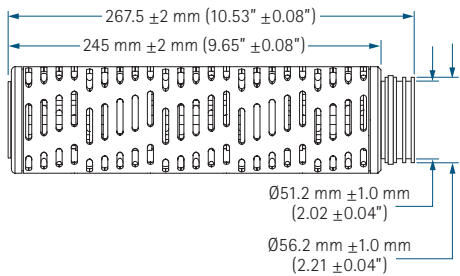


Length	A
5"	200 mm (7.87")
10"	318 mm (12.52")
20"	566 mm (22.28")
30"	815 mm (32.09")
40"	1060 mm (41.73")

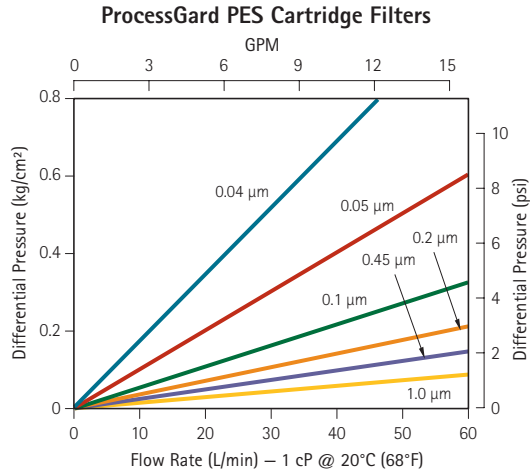
Ø83 MM CODE 6 FILTER



Ø70 MM CODE 8 FILTER



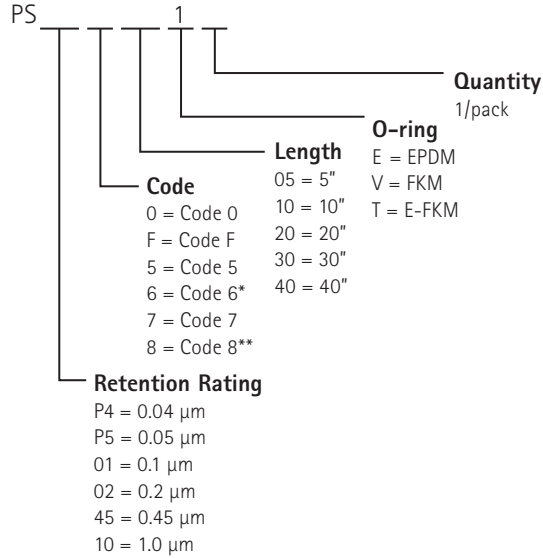
Performance Data



Ordering Information

ProcessGard PES Cartridge Filters

Part Number



* 222 with 83 mm/247 mm

** 226 with 70 mm/263 mm

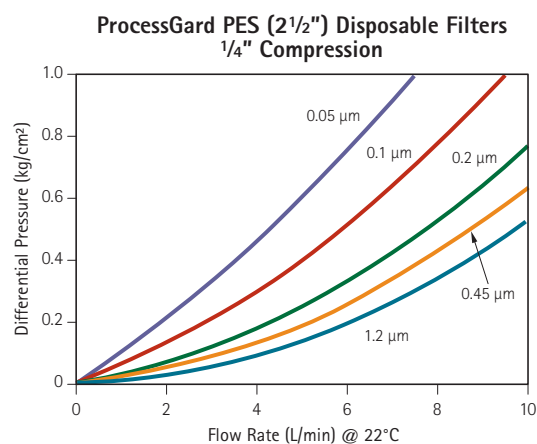
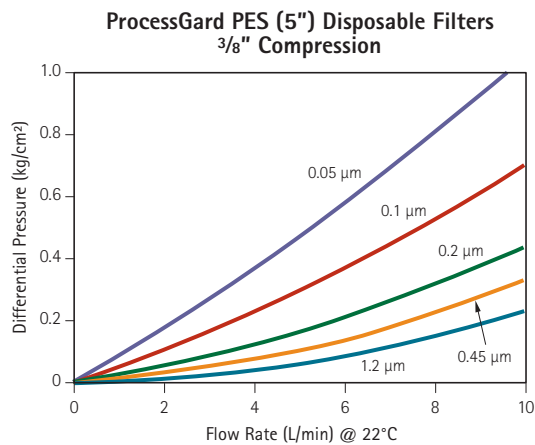
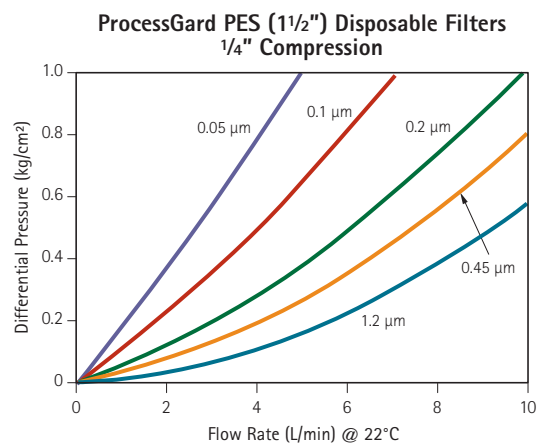
ProcessGard PES Disposable Filters

Specifications

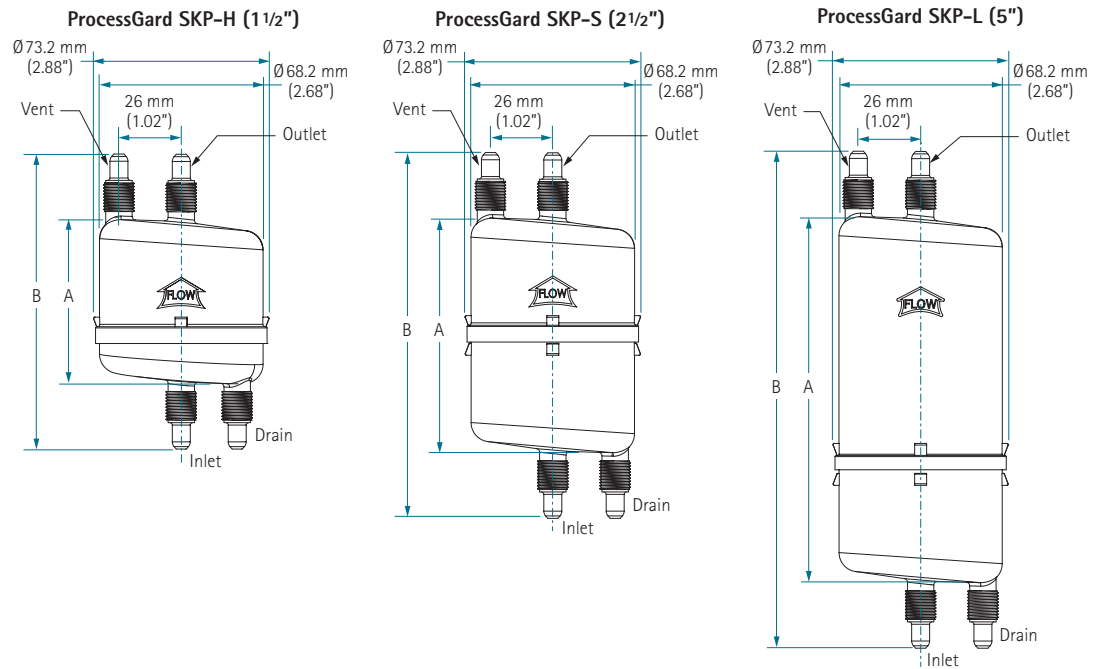
Materials:	Membrane	Hydrophilic polyethersulfone
	Supports, core, sleeve	Polypropylene
	Fitting connections	Flare, MNPT, FNPT, compression
Operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psi) @ 20°C (68°F)
	Maximum reverse differential pressure	0.2 MPa (2.0 bar, 29 psi) @ 20°C (68°F)
	Maximum operating temperature	60°C (140°F)
Retention rating:	0.05, 0.1, 0.2, 0.45 and 1.2 μm	

Note: ProcessGard PES disposable filters can be sterilized by autoclaving up to 25 cycles at 125°C for 30 minutes. It cannot be in-situ steam sterilized.

Performance Data



Dimensions



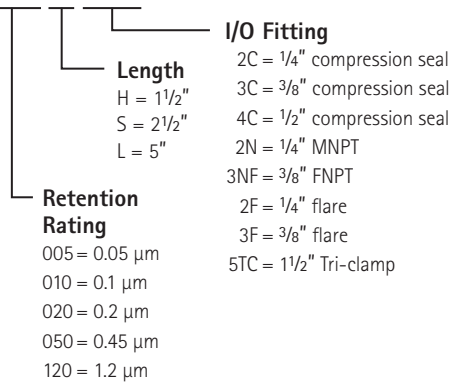
Fitting Connection		SKP-H (1 1/2")		SKP-S (2 1/2")		SKP-L (5")	
Inlet/Outlet	Vent/Drain	A	B	A	B	A	B
1/4" compression	1/4" compression (2 caps)	68 mm (2.68")	95 mm (3.74")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	179 mm (7.05")
3/8" compression	1/4" compression (2 caps)	68 mm (2.68")	95 mm (3.74")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	179 mm (7.05")
1/2" compression	1/4" compression (2 caps)	68 mm (2.68")	101 mm (3.98")	98 mm (3.86")	131 mm (5.16")	153 mm (6.02")	185 mm (7.28")
1/4" MNPT	1/8" MNPT (2 caps)	68 mm (2.68")	98 mm (3.86")	98 mm (3.86")	128 mm (5.04")	153 mm (6.02")	182 mm (7.17")
3/8" FNPT	Female Luer Lok (2 caps)	68 mm (2.68")	94 mm (3.70")	98 mm (3.86")	124 mm (4.88")	153 mm (6.02")	179 mm (7.05")
1/4" flare	1/8" MNPT (2 caps)	68 mm (2.68")	123 mm (4.84")	98 mm (3.86")	153 mm (6.02")	153 mm (6.02")	208 mm (8.19")
3/8" flare	1/4" flare (no caps)	68 mm (2.68")	95 mm (3.74")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	179 mm (7.05")
1 1/2" Tri-clamp	Female Luer Lok (2 caps)	68 mm (2.68")	126 mm (4.96")	98 mm (3.86")	156 mm (6.14)	153 mm (6.02")	210 mm (8.27")

Ordering Information

ProcessGard PES Disposable Filters

Part Number

SKPS



For More Information

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