

# ProcessGard® PS Plus Filters

*Excels in filtering weak acids, bases, and ultrapure DI water*

ProcessGard® PS Plus filters are designed for filtration of process fluids in the microelectronics industry. Constructed of polyethersulfone (PES) pleated membrane with polypropylene (PP) supports, these filters provide unmatched durability and cleanliness in cleaning applications involving weak acids, bases, and deionized (DI) water.

Our portfolio includes hydrophilic, 4" to 40" Ø70 mm cartridge formats to suit various flow requirements in point-of-tool or bulk filtration applications.



*Hydrophilic PES membrane reduces start-up time*

## APPLICATIONS

- Cleaning applications using weak acids, bases, and ultrapure DI water
- DI water filtration in DI water plants or facilities

## FEATURES & BENEFITS

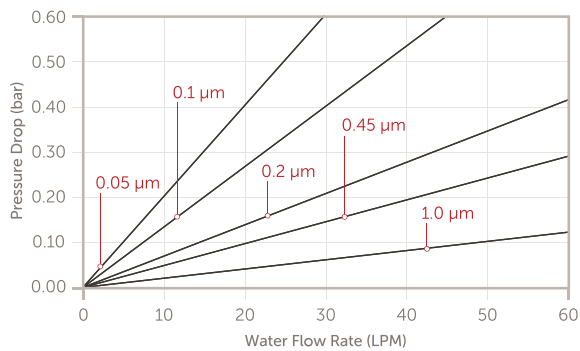
<b>Asymmetric PES media structure</b>	Reduces pressure drop while improving particle retention
<b>Hydrophilic PES media</b>	Eliminates prewet treatment
	Reduces filter changeout time
	Increases equipment uptime
<b>Polypropylene construction</b>	Provide excellent chemical compatibility for use in a wide range of applications

## SPECIFICATIONS

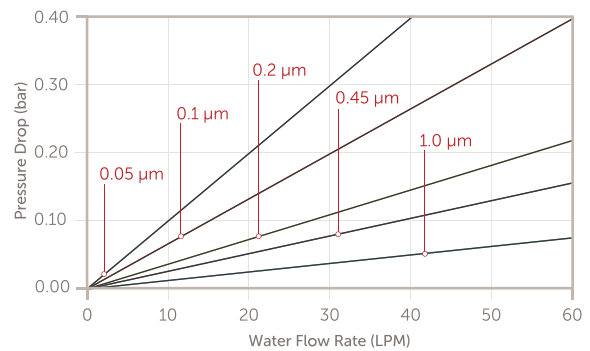
<b>Materials of construction</b>	Media	Hydrophilic polyethersulfone
	Supports, core, sleeve, end caps	Polypropylene
	O-ring (Code-0, -5, -6: AS568-222; Code-7: AS568-226)	EPDM, FKM, E-FKM
	Gasket (Code F)	EPDM, FKM
<b>Retention rating</b>	0.05, 0.1, 0.2, 0.45, 1.0 $\mu\text{m}$	
<b>Maximum operating conditions</b>	<b>Maximum forward differential pressure</b>	0.4 MPa (4.0 bar, 58 psid) @ 25°C (77°F)
	<b>Maximum reverse differential pressure</b>	0.25 MPa (2.5 bar, 36 psid) @ 25°C (77°F)
	<b>Maximum operating temperature</b>	90°C (194°F)

## PERFORMANCE DATA

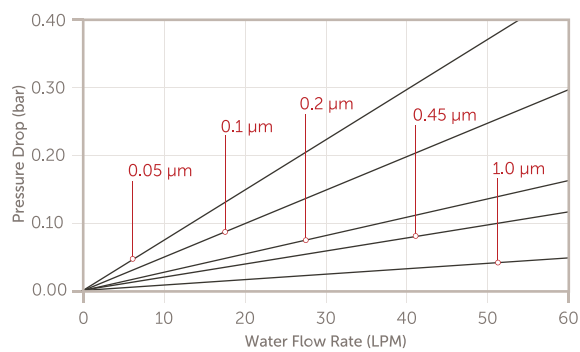
ProcessGard PS Plus 4" cartridge



ProcessGard PS Plus 10" cartridge

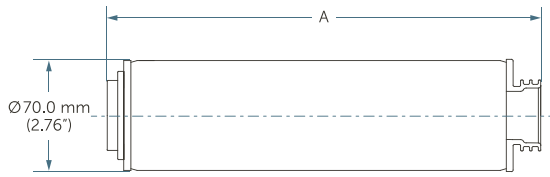


ProcessGard PS Plus, Code-6 cartridge

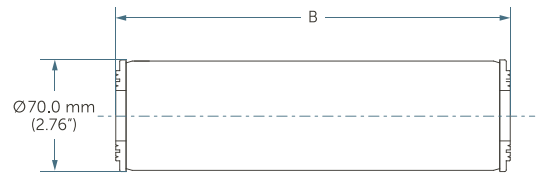


## DIMENSIONS

Code 0

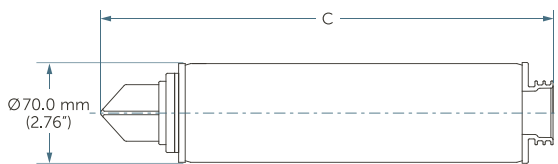


Code F

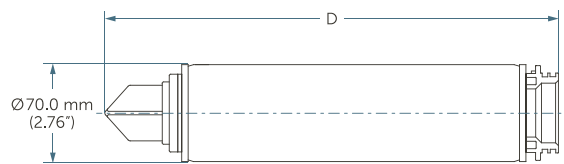


Length	A (Code 0)	B (Code F)
4"	123.5 mm (4.86")	–
5"	143.5 mm (5.64")	–
10"	271.0 mm (10.67")	247.0 mm (9.72")
20"	514.5 mm (20.26")	491.0 mm (19.33")
30"	758.5 mm (29.86")	735.0 mm (28.94")
40"	1002.5 mm (39.47")	979.0 mm (38.54")

Code 5



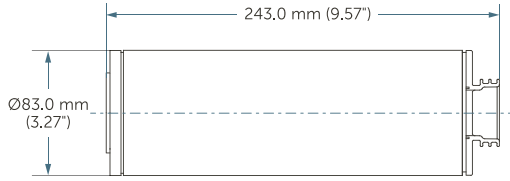
Code 7



Length	C (Code 5)	D (Code 7)
4"	–	–
5"	–	–
10"	312.5 mm (12.30")	315.0 mm (12.40")
20"	556.0 mm (21.89")	558.5 mm (21.99")
30"	800.0 mm (31.50")	802.0 mm (31.57")
40"	1044.0 mm (41.10")	1045.5 mm (41.16")

## DIMENSIONS

Code 6



## ORDERING INFORMATION

ProcessGard PS Plus Liquid Filter: part number

PGPS \_\_\_\_\_ 1 Y

				<b>Chemlock® key</b> Y = PP Chemlock key (optional)
				<b>Pack</b> 1 = 1 pc/pack
				<b>O-ring</b> E = EPDM V = FKM T = E-FKM**
		<b>Length</b>		
		0 = Code-0	S0 = 4**	
		F = Code-F	05 = 5**	
		5 = Code-5	10 = 10"	
		6 = Code-6	20 = 20"	
		7 = Code-7	30 = 30"	
			40 = 40"	
	<b>Retention rating</b>			
	Z = 0.05 µm			
	V = 0.1 µm			
	G = 0.2 µm			
	H = 0.45 µm			
	A = 1.0 µm			

\*Available for Code-0 only.

\*\*T available for Code-0, Code-5, Code-6, and Code-7 only.

These specifications are subject to change without notice.

## 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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