

# ProcessGard® PDP Plus Filter

*Polypropylene multilayer depth pleated filters for color resist, ink, slurry, millbase, and process water in the electronics industry*



ProcessGard® PDP Plus filters provide advanced filtration in a broad range of electronics industry applications. The optimized multilayer depth pleated structure with nonwoven polypropylene (PP) filtration media ensures excellent flow and retention performance. PP construction ensures broad chemical compatibility with various color resist, inks, millbase, slurry, and process water.

*Broad chemical compatibility and excellent flow and retention performance.*

## APPLICATIONS

- Color resist, black matrix, millbase, and ink filtration
- Bulk slurry filtration and final polishing in aluminum/glass substrate manufacture process steps
- General purpose pre and final filtration of acids, alkalis, solvents, and DI water

## FEATURES & BENEFITS

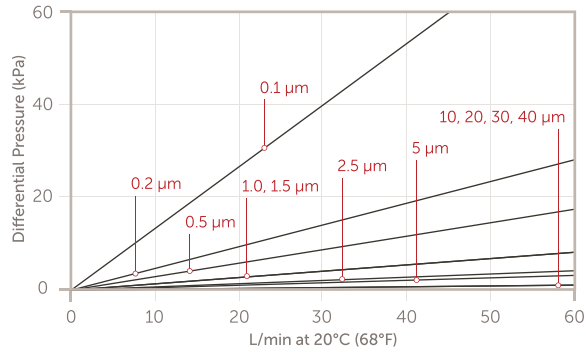
<b>Polypropylene construction</b>	Provides broad process fluid compatibility and excellent capability
<b>Optimized pleated media</b>	Increases surface area for excellent flow performance
<b>Optimized multilayer depth design</b>	Increases particle loading capacity, providing excellent removal performance Extends lifetime

## SPECIFICATIONS

<b>Materials of construction</b>	Media	Polypropylene
	Supports, core, sleeve, top/end caps	Polypropylene
	O-ring (Code-0 and -5: AS568-222, Code-7: AS568-226)	EPDM, FKM, Silicone, E-FKM
	Gasket (Code-F)	EPDM, FKM, Silicone
<b>Retention rating (nominal)</b>	0.1, 0.2, 0.5, 1, 1.5, 2.5, 5, 10, 20, 30, 40 $\mu\text{m}$	
<b>Operating conditions</b>	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psid) @ 20°C (68°F)
	Maximum operating temperature	80°C (176°F)

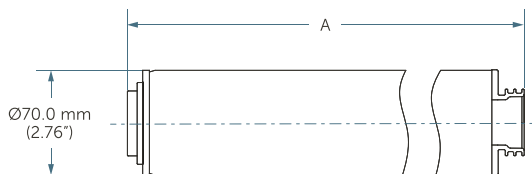
## PERFORMANCE DATA

ProcessGard PDP Plus filter

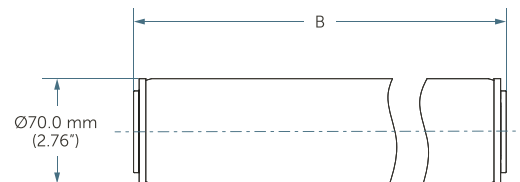


## DRAWINGS

Code-0



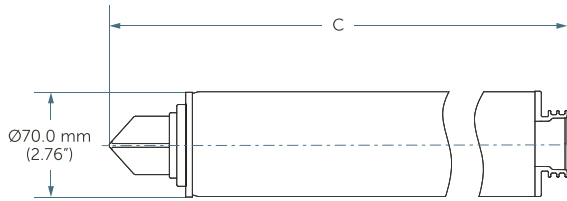
Code-F



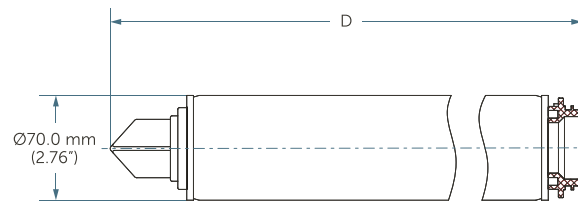
Length	A: Code-0	B: Code-F
10"	269.5 mm (10.61")	247.5 mm (9.74")
20"	513.5 mm (20.22")	491.5 mm (19.35")
30"	757.5 mm (29.82")	735.5 mm (28.96")
40"	1001.5 mm (39.43")	979.5 mm (38.56")

## DRAWINGS

Code-5



Code-7



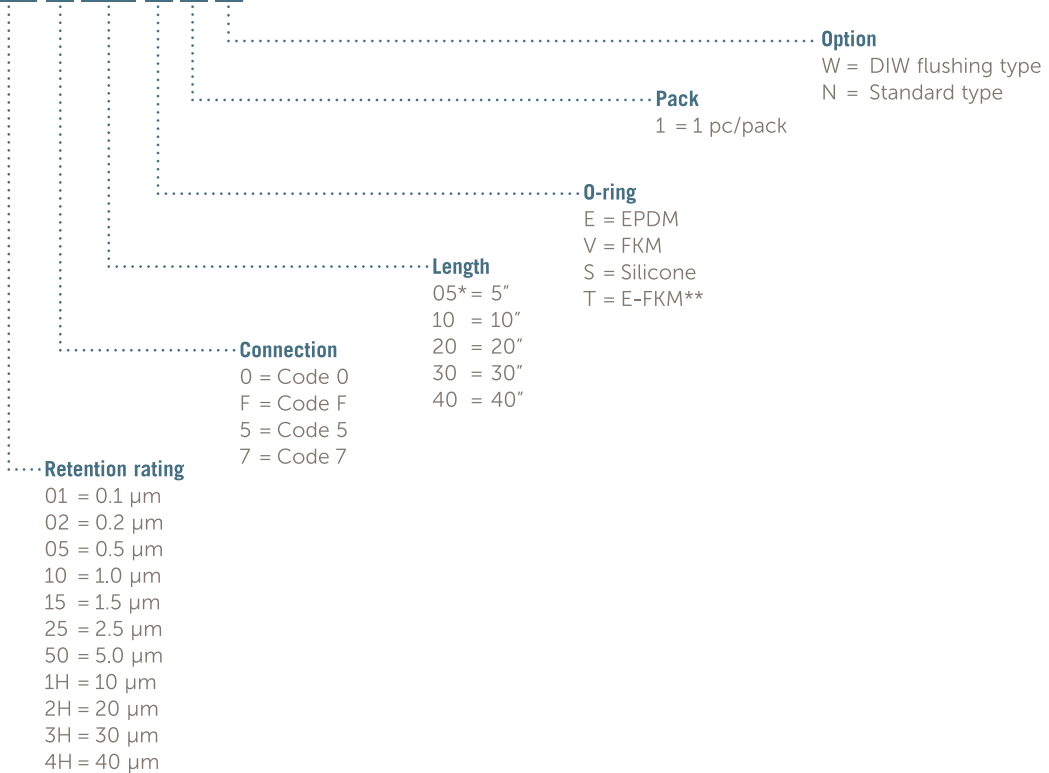
Length	C: Code-5	D: Code-7
10"	310.5 mm (12.22")	316.0 mm (12.44")
20"	554.5 mm (21.83")	560.0 mm (22.05")
30"	798.5 mm (31.44")	804.0 mm (31.65")
40"	1042.5 mm (41.04")	1048.0 mm (41.26")

## ORDERING INFORMATION

ProcessGard PDP Plus Filters, 70 mm Diameter: part number

PGDP

1



\* 5" available for Code-0 only

\*\* E-FKM available for Code-0, 5, 7 only

#### FOR MORE INFORMATION

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