

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

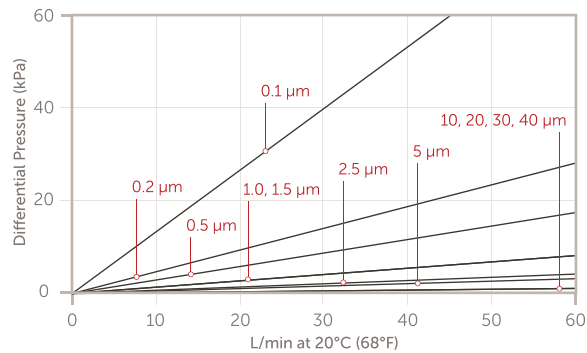
Polypropylene construction	Provides broad process fluid compatibility and excellent capability
Optimized pleated media	Increases surface area for excellent flow performance
Optimized multilayer depth design	Increases particle loading capacity, providing excellent removal performance Extends lifetime

SPECIFICATIONS

Materials of construction	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
Retention rating (nominal)	0.1, 0.2, 0.5, 1, 1.5, 2.5, 5, 10, 20, 30, 40 µm	
Operating conditions	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psid) @ 20°C (68°F)
	Maximum operating temperature	80°C (176°F)

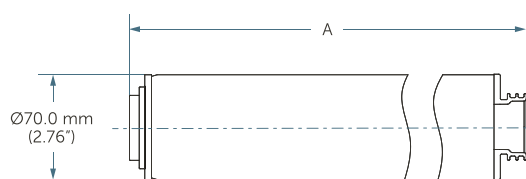
PERFORMANCE DATA

ProcessGard PDP Plus filter

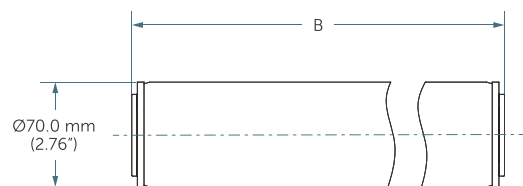


DRAWINGS

Code-0



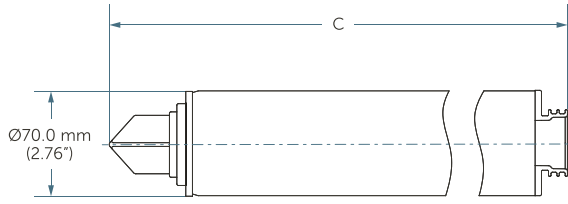
Code-F



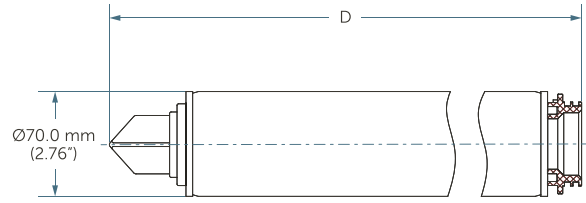
Length	A: Code-0	B: Code-F
10"	269.5 mm (10.61")	247.5 mm (9.74")
20"	513.5 mm (20.22")	491.5 mm (19.35")
30"	757.5 mm (29.82")	735.5 mm (28.96")
40"	1001.5 mm (39.43")	979.5 mm (38.56")

DRAWINGS

Code-5



Code-7

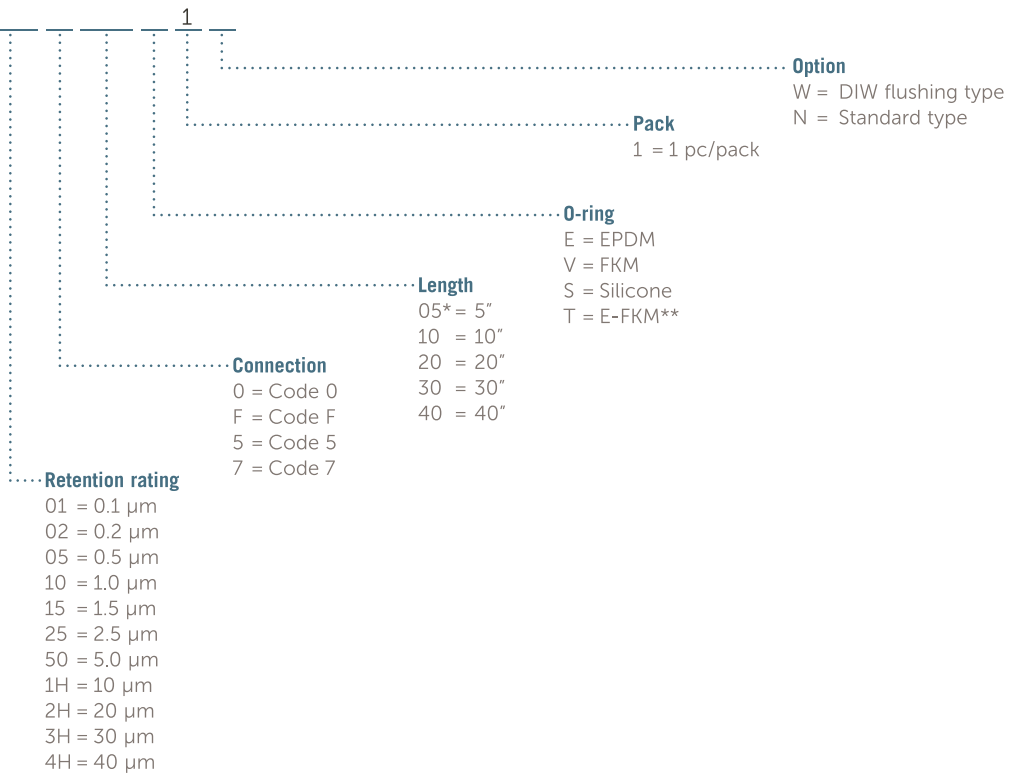


Length	C: Code-5	D: Code-7
10"	310.5 mm (12.22")	316.0 mm (12.44")
20"	554.5 mm (21.83")	560.0 mm (22.05")
30"	798.5 mm (31.44")	804.0 mm (31.65")
40"	1042.5 mm (41.04")	1048.0 mm (41.26")

ORDERING INFORMATION

ProcessGard PDP Plus Filters, 70 mm Diameter: part number

PGDP



* 5" available for Code-0 only

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

FOR MORE INFORMATION

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

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