



**PROCESSGARD® PDP
COLOR RESIST FILTERS**

Advanced filtration in color resist applications



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Overview

ProcessGard® PDP filters provide advanced filtration in a broad range of color resist applications. Constructed of multi-layered, depth-pleated media with a nonwoven polypropylene (PP) membrane, ProcessGard PDP filters remove gels and agglomerates in pigment dispersed, color resist filtration processes. ProcessGard PDP's media combination ensures excellent particle retention, while maintaining good flow performance and improved yields. The extended filter lifetime reduces filter downtime and keeps operational costs at a minimum. Available in cartridge and disposable formats, ProcessGard PDP filters are the right choice for

optimizing color resist filtration and advancing research and development.

Applications

- Cartridge filters: Bulk millbase and pigment dispersed color resist manufacturing as pre-filters and final filters
- Disposable filters: Color resist coating process in flat panel display applications as point-of-use (POU) filters

Features and Benefits

Feature	Benefit
Multi-layered construction	Removes gels and agglomerates in pigment dispersed, color resist filtration process
	Excellent media combination ensures good retention performance
	Good particle separation reduces defects
Optimized depth-pleated media	Increased surface area improves filtration
	Extended filter lifetime
	Effective filtration at lower cost of operation
High flow performance filter	Reduces filtration time and cost of ownership

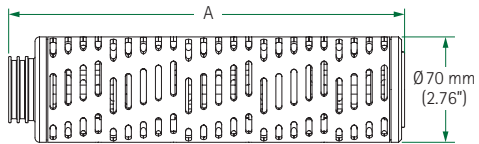
Specifications

		Cartridge	Disposable
Materials:	Media	Polypropylene – 0.2, 0.4, 0.5 μm	
		Polypropylene/nylon – 1.5 μm	
	Support, core, sleeve	Polypropylene	
	Sealing	EPDM, FKM, E-FKM	–
	Shell	–	Polypropylene
Nominal retention rating:	0.2, 0.4, 0.5, 1.5 μm		
Operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar; 58 psid) @ 20°C (68°F)	
	Maximum reverse differential pressure	0.25 MPa (2.5 bar; 36 psi) @ 20°C (68°F)	
	Maximum operating temperature	80°C (176°F)	60°C (140°F)
Cartridge connections:	Code 0, Code 5	O-ring AS568-222	–
	Code 7	O-ring AS568-226	–
	Code F	Gasket (EPDM or FKM only)	–
Fittings:	Inlet/outlet	–	Compression seal, NPT, flare
	Vent/drain	–	Compression seal, NPT, flare

ProcessGard PDP Cartridge Filters

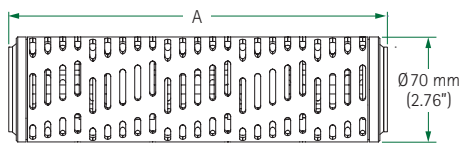
Dimensions

Ø70 MM CODE 0 FILTER



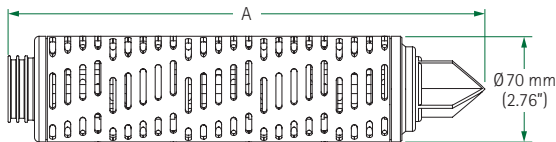
Length	A
10"	263 mm (10.35")
20"	509 mm (20.04")
30"	756 mm (29.76")

Ø70 MM CODE F FILTER



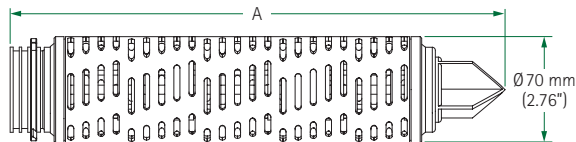
Length	A
10"	253 mm (9.96")
20"	497 mm (19.57")
30"	745 mm (29.33")

Ø70 MM CODE 5 FILTER



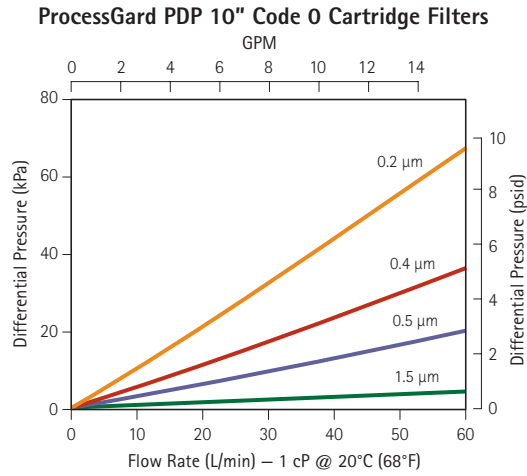
Length	A
10"	316 mm (12.44")
20"	562 mm (22.13")
30"	809 mm (31.85")

Ø70 MM CODE 7 FILTER



Length	A
10"	318 mm (12.52")
20"	566 mm (22.28")
30"	815 mm (32.09")

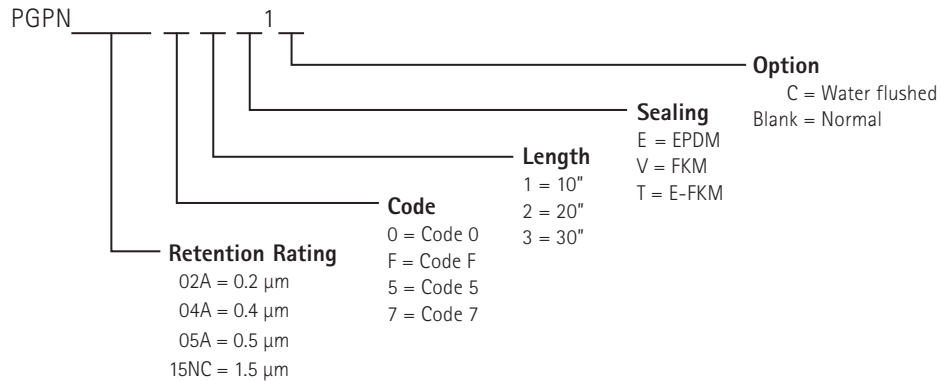
Performance Data



Ordering Information*

ProcessGard PDP Cartridge Filters

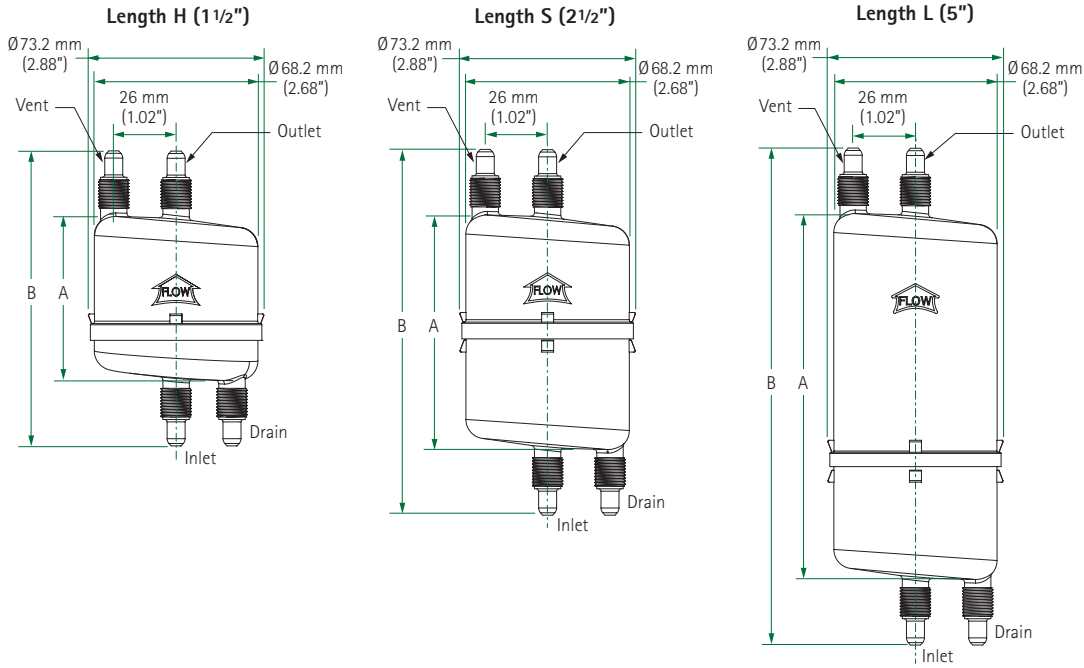
Part Number



*This information serves as a guide. Please contact your local representative to confirm part numbers.

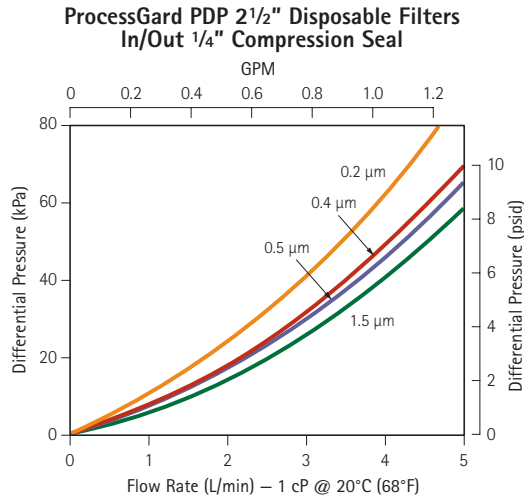
ProcessGard PDP Disposable Filters

Dimensions



Fitting Connection		Length H (1 1/2")		Length S (2 1/2")		Length L (5")	
Inlet/Outlet	Vent/Drain	A	B	A	B	A	B
2C	1/4" compression seal	68 mm (2.68")	95 mm (3.74")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	179 mm (7.05")
3C	3/8" compression seal	68 mm (2.68")	95 mm (3.74")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	179 mm (7.05")
4C	1/2" compression seal	68 mm (2.68")	101 mm (3.98")	98 mm (3.86")	131 mm (5.16")	153 mm (6.02")	185 mm (7.28")
2N	1/4" MNPT	68 mm (2.68")	98 mm (3.86")	98 mm (3.86")	128 mm (5.04")	153 mm (6.02")	182 mm (7.17")
2F	1/4" flare	68 mm (2.68")	123 mm (4.84")	98 mm (3.86")	153 mm (6.02")	153 mm (6.02")	208 mm (8.19")
3F	3/8" flare	68 mm (2.68")	122 mm (4.80")	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	206 mm (8.11")

Performance Data

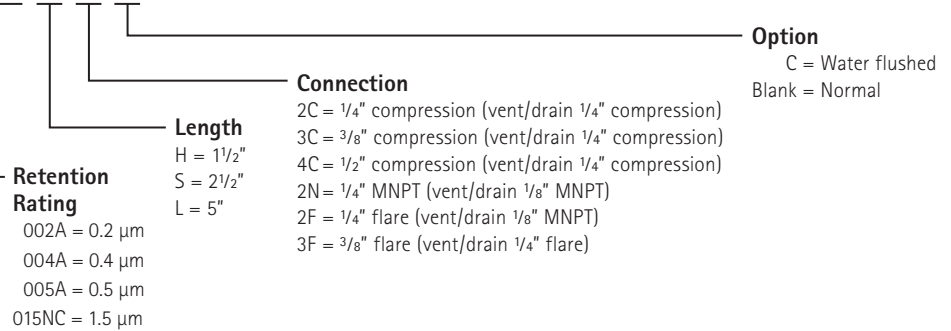


Ordering Information*

ProcessGard PDP Disposable Filters

Part Number

PGPDN



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For More Information

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