



PROCESSGARD® PP CARTRIDGE AND DISPOSABLE FILTERS

Polypropylene filters for acids, bases, process water, solvents, dyes and lacquers

Overview

ProcessGard® PP cartridge and disposable filters are ideally suited for acids, bases, process water, solvents, dyes and lacquers in flat panel display and chemical manufacturing.

Applications

- Flat panel display – all applications in wet etching, stripping, developer and cleaning process
- Chemical manufacturing – pre- and final filtration for solvent, photoresist and all pigment chemicals

Features and Benefits

- Broad chemical and thermal compatibility
- Highly customized configurations available to meet application and customer needs
- Various retention ratings, fitting sizes and types to meet various requirements



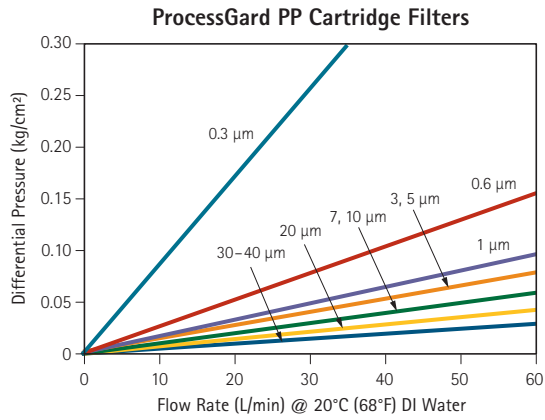
ProcessGard PP Cartridge Filters

Specifications

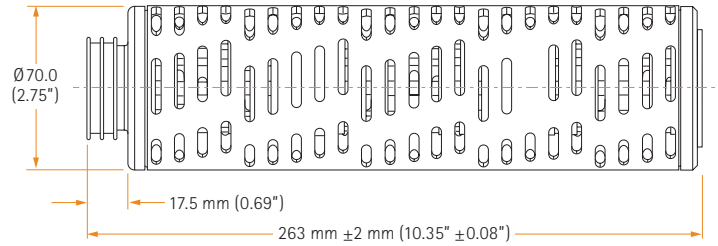
Materials:	Membrane, supports, core, sleeve	Polypropylene
	O-rings (AS568-222)	EPDM, fluoroelastomer, E-FKM (encapsulated fluoroelastomer)
Dimensions: (nominal)	Length	263 mm (10.35")
	Diameter	70 mm (2.75")
Operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psi) @ 20°C (68°F)
	Maximum reverse differential pressure	0.25 MPa (2.5 bar, 29 psi) @ 20°C (68°F)
	Maximum operating temperature	80°C (176°F)
Retention rating:	0.3, 0.6, 1, 3, 5, 7, 10, 20, 30 and 40 µm	

Note: ProcessGard PP cartridge filters can be sterilized by autoclaving up to 25 cycles at 125°C or sterilized by steam-in-place up to 5 cycles at 135°C for 30 minutes at less than 0.3 bar differential pressure.

Performance Data



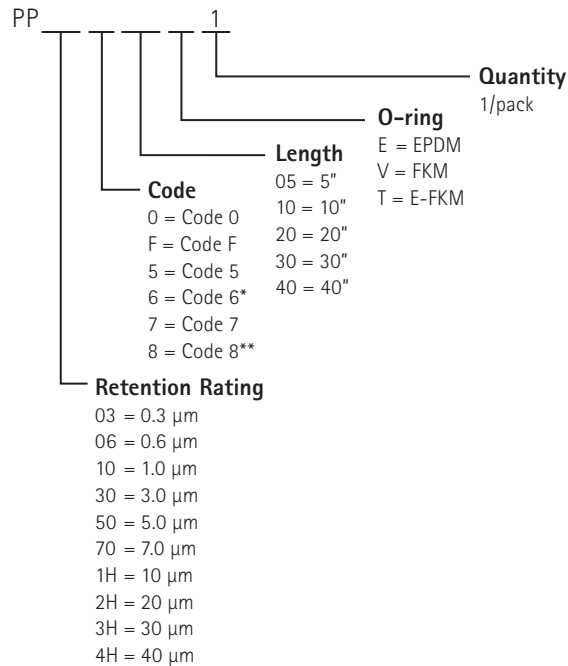
Dimensions



Ordering Information

ProcessGard PP Cartridge Filters

Part Number



* 222 with 83 mm/247 mm

** 226 with 70 mm/263 mm

ProcessGard PP Disposable Filters

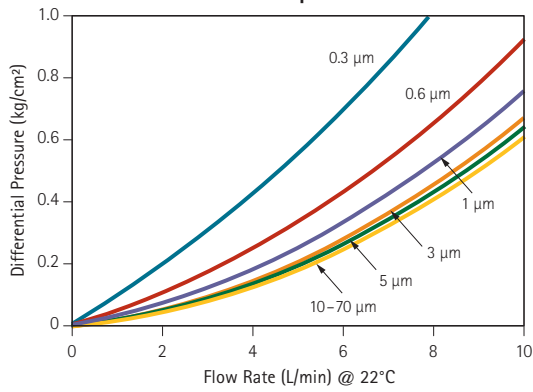
Specifications

Materials:	Membrane, 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:	0.3, 0.6, 1, 3, 5, 10, 20, 30, 40 and 70 µm	

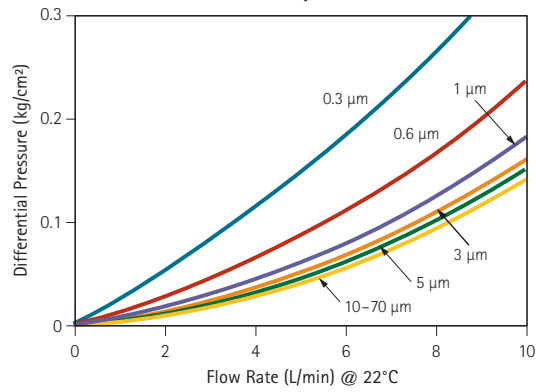
Note: ProcessGard PP disposable filters can be sterilized by autoclaving up to 25 cycles at 125°C for 30 minutes. It cannot be in-situ steam sterilized.

Performance Data

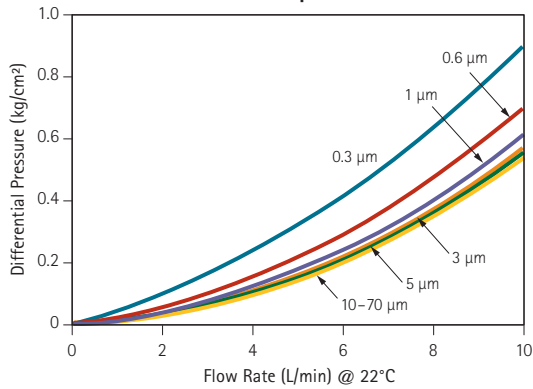
ProcessGard PP (1½") Disposable Filters
¼" Compression



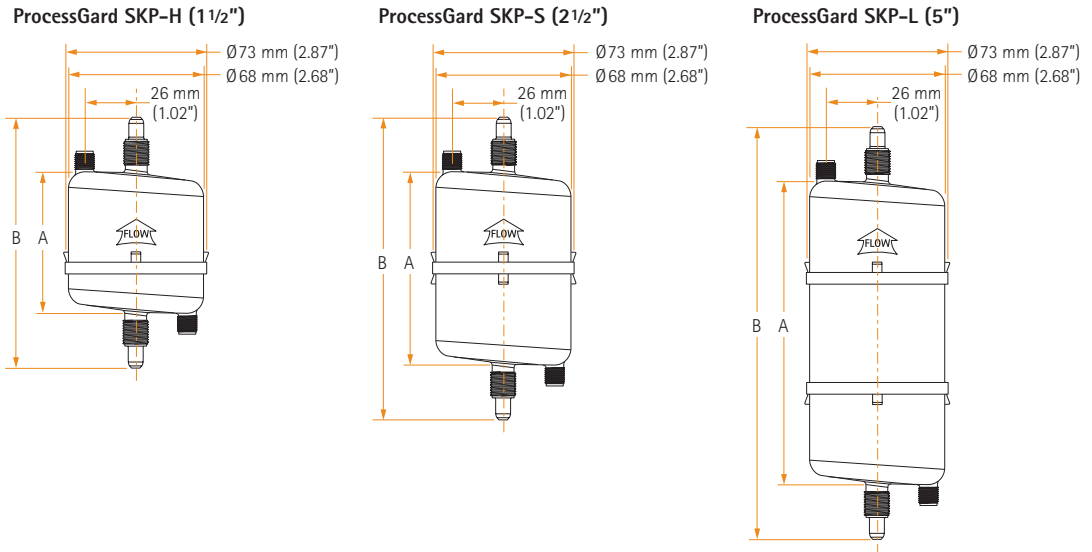
ProcessGard PP (5") Disposable Filters
⅜" Compression



ProcessGard PP (2½") Disposable Filters
¼" Compression



Dimensions



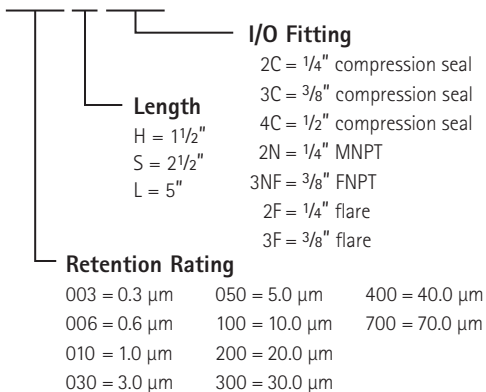
Fitting Connection		SKP-H (1 1/2")		SKP-S (2 1/2")		SKP-L (5")	
Inlet/Outlet	Vent/Drain	A	B	A	B	A	B
1/4" flare	1/8" MNPT (2 caps)	72 mm (2.83")	118 mm (4.64")	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	208 mm (8.19")
3/8" flare	1/4" flare (no caps)	72 mm (2.83")	118 mm (4.64")	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	208 mm (8.19")
1/4" MNPT	1/8" MNPT (2 caps)	72 mm (2.83")	94 mm (3.70")	98 mm (3.86")	128 mm (5.04")	153 mm (6.02")	183 mm (7.20")
1/4" compression	1/4" compression (2 caps)	72 mm (2.83")	91 mm (3.58")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	180 mm (7.08")
3/8" compression	1/4" compression (2 caps)	72 mm (2.83")	91 mm (3.58")	98 mm (3.86")	125 mm (4.92")	153 mm (6.02")	180 mm (7.08")
1/2" compression	1/4" compression (2 caps)	72 mm (2.83")	97 mm (3.82")	98 mm (3.86")	131 mm (5.16")	153 mm (6.02")	186 mm (7.32")
3/8" FNPT	M8 (2 caps)	72 mm (2.83")	109 mm (4.29")	98 mm (3.86")	143 mm (5.63")	153 mm (6.02")	194 mm (7.63")

Ordering Information

ProcessGard PP Disposable Filters

Part Number

SKPP



For More Information

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