



## 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



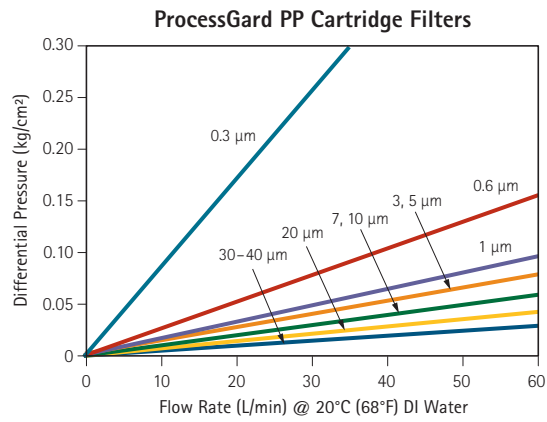
## ProcessGard PP Cartridge Filters

### Specifications

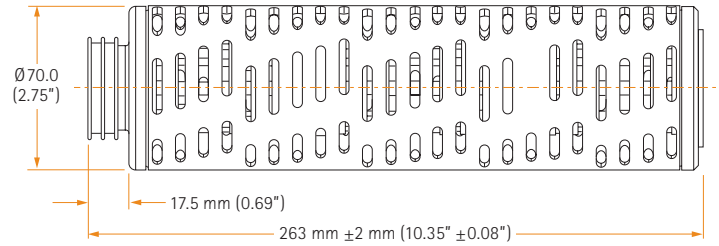
Materials:	Membrane, supports, core, sleeve	Polypropylene
	O-rings (AS568-222)	EPDM, fluoroelastomer, E-FKM (encapsulated fluoroelastomer)
Dimensions: (nominal)	Length	263 mm (10.35")
	Diameter	70 mm (2.75")
Operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psi) @ 20°C (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



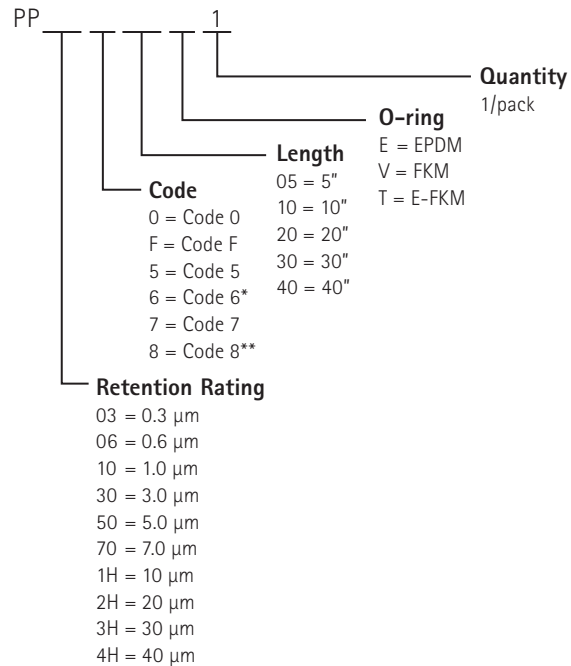
## Dimensions



## Ordering Information

### ProcessGard PP Cartridge Filters

#### Part Number



\* 222 with 83 mm/247 mm

\*\* 226 with 70 mm/263 mm

## ProcessGard PP Disposable Filters

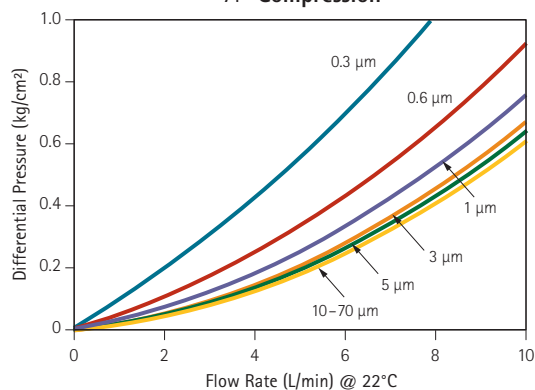
### Specifications

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	

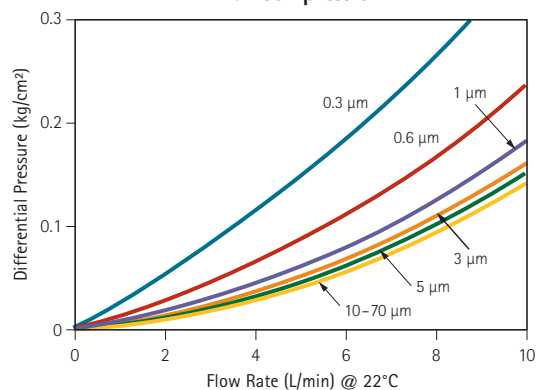
*Note: ProcessGard PP disposable filters can be sterilized by autoclaving up to 25 cycles at 125°C for 30 minutes. It cannot be in-situ steam sterilized.*

### Performance Data

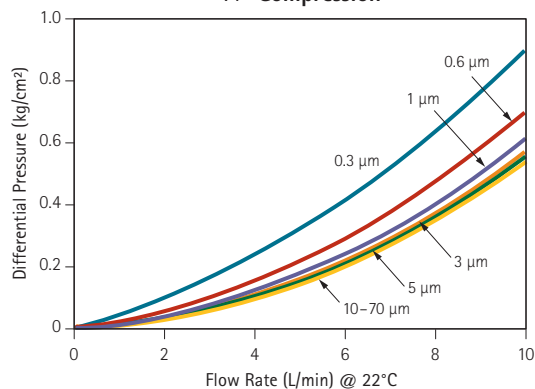
**ProcessGard PP (1½") Disposable Filters**  
¼" Compression



**ProcessGard PP (5") Disposable Filters**  
⅜" Compression

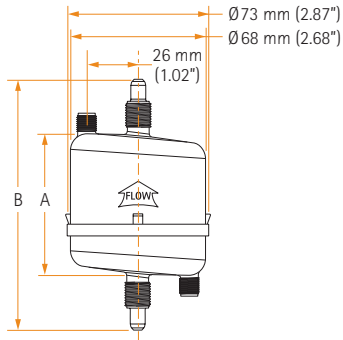


**ProcessGard PP (2½") Disposable Filters**  
¼" Compression

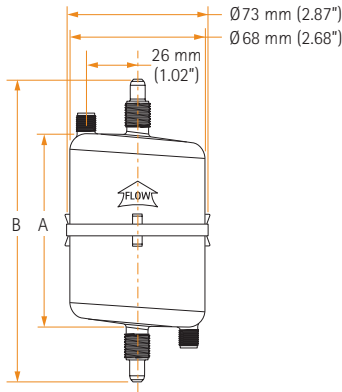


## Dimensions

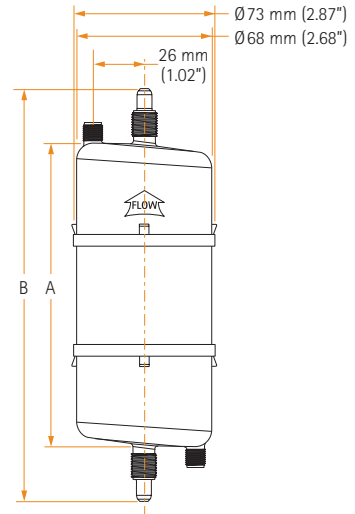
ProcessGard SKP-H (1 1/2")



ProcessGard SKP-S (2 1/2")



ProcessGard SKP-L (5")



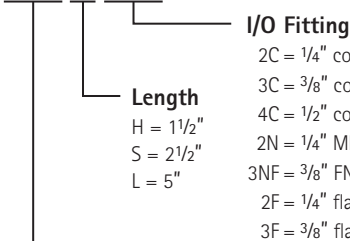
Fitting Connection		SKP-H (1 1/2")		SKP-S (2 1/2")		SKP-L (5")	
Inlet/Outlet	Vent/Drain	A	B	A	B	A	B
1/4" flare	1/8" MNPT (2 caps)	72 mm (2.83")	118 mm (4.64")	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	208 mm (8.19")
3/8" flare	1/4" flare (no caps)	72 mm (2.83")	118 mm (4.64")	98 mm (3.86")	152 mm (5.98")	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



#### Retention Rating

003 = 0.3 µm	050 = 5.0 µm	400 = 40.0 µm
006 = 0.6 µm	100 = 10.0 µm	700 = 70.0 µm
010 = 1.0 µm	200 = 20.0 µm	
030 = 3.0 µm	300 = 30.0 µm	

## For More Information

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