



## PROCESSGARD® DSP FILTERS

*Optimized pleated depth filter for polishing and texture slurry*

### Overview

ProcessGard® DSP filters are designed for filtration of hard disk slurries used in polishing or texture processes to reduce micro-scratch defects and improve yield. Built with all-polypropylene construction, ProcessGard DSP filters are available in a wide range of retention ratings and filter configurations.

### Applications

- Final polishing in aluminum/glass substrate manufacture process steps
- Texture process for aluminum/glass media
- Bulk slurry filtration



Features	Benefits
Optimized pleated media	Retains defect-causing agglomerates with high efficiency, resulting in micro-scratch reduction and yield improvement
Depth design	Allows low pressure drop and long filter lifetime, leading to lower cost of ownership
Available in pore sizes down to 0.1 µm	Meets the needs of advanced slurries that require tighter filtration without sacrificing lifetime
All-polypropylene supports	Excellent compatibility to acidic and alkali slurry mixtures
Available in various cartridge and disposable formats	Supports various filtration needs for distribution loop, post-mixing and point-of-use

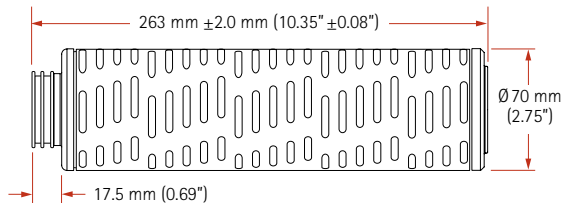
# ProcessGard DSP Cartridge Filters

## Specifications

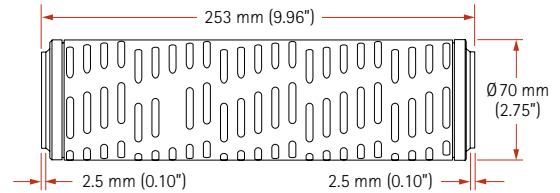
Materials:	Media	Polypropylene
	Support, core, sleeve	Polypropylene
	O-ring	EPDM, FKM, E-FKM
Retention rating:	0.1, 0.2, 0.5, 1.0, 2.5, 5.0 $\mu\text{m}$	
Maximum operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar; 58 psid) @ 20°C (68°F)
	Maximum reverse differential pressure	0.25 MPa (2.5 bar; 36 psid) @ 20°C (68°F)
	Maximum operating temperature	80°C (176°F)
Cartridge connections:	Code O (double AS568-222), Code E (AS568-219 inner o-ring), Code F (gasket)	

## Dimensions

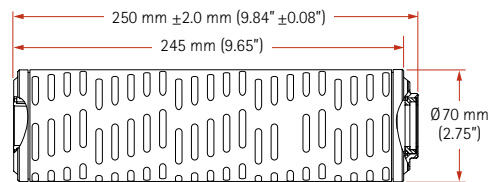
### Code O Cartridge



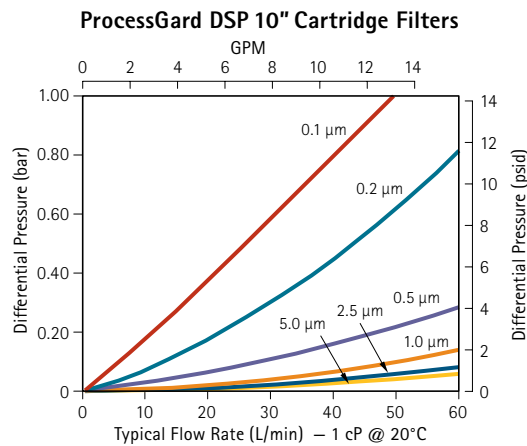
### Code F Cartridge



### Code E Cartridge



## Performance Data



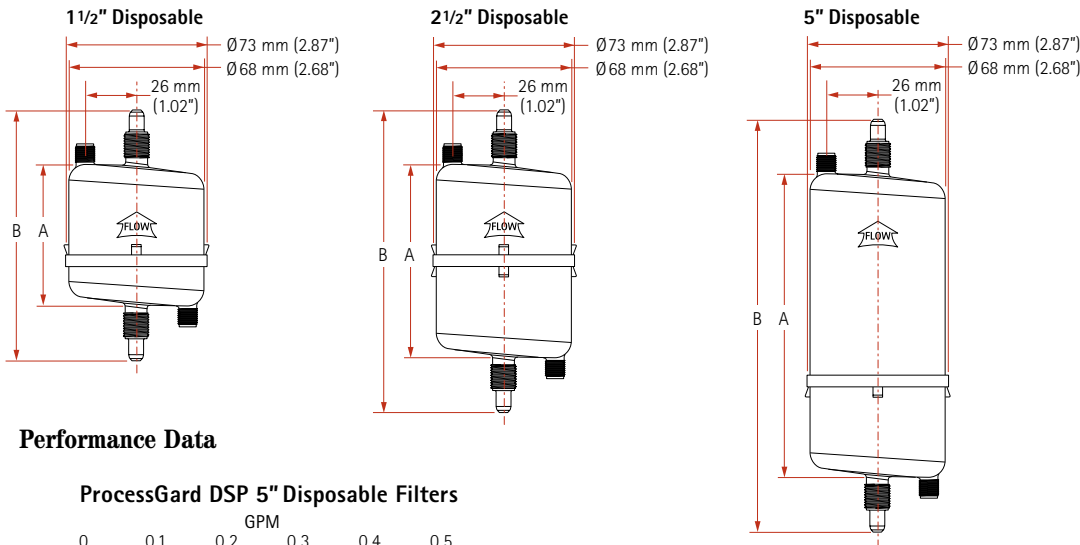
# ProcessGard DSP Disposable Filters

## Specifications

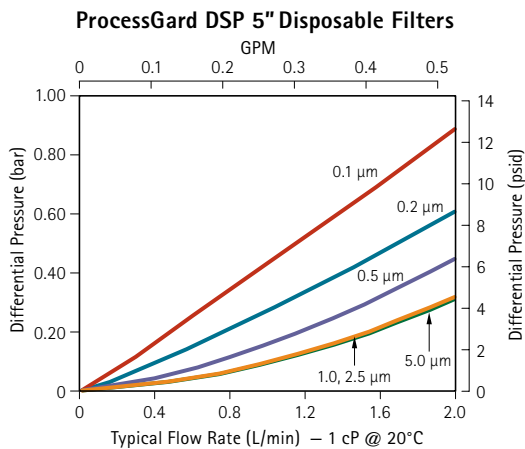
Materials:	Media, support, core, sleeve	Polypropylene
	Fitting connections	Flare, MNPT, FNPT, compression
Retention rating:	0.1, 0.2, 0.5, 1.0, 2.5, 5.0 µm	
Maximum operating conditions:	Maximum forward differential pressure	0.4 MPa (4.0 bar; 58 psid) @ 20°C (68°F)
	Maximum reverse differential pressure	0.25 MPa (2.5 bar; 36 psid) @ 20°C (68°F)
	Maximum operating temperature	60°C (140°F)

## Dimensions

Fitting Connection		-H (1 1/2")		-S (2 1/2")		-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")



## Performance Data

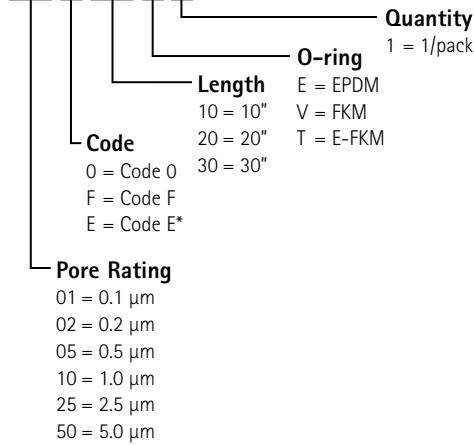


## Ordering Information

### ProcessGard DSP Cartridge Filters

#### Part Number

DSP

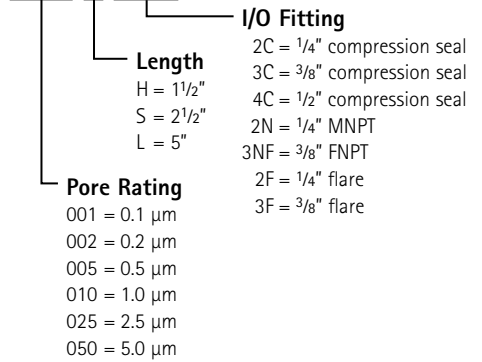


\* 219 inner o-ring

### ProcessGard DSP Disposable Filters

#### Part Number

DSPD



## For More Information

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