

## Big Filter Cartridges



Grace Big Filter Cartridges are featured with bigger outer diameter, exhibiting large filtration area and supplying longer service life. These big filter cartridges are particularly recommended as cost economic solutions for processes requiring high flow capacity and cost effective demand. Available in various filter media and micron ratings, Grace big filter cartridges are suitable for a wide range of applications.

- ⊗ Available in a variety of filter media and micron ratings.
- ⊗ Cost effective solutions with longer service life and fewer change outs.
- ⊗ Advantages with high flow rate, low pressure drop and high dirt loading capacity.
- ⊗ Applicable to commercial filter housings with great convenience.

### Applications

Pre RO/DI, Household Water Filtration, Lab Facilities, Chemicals, Waste Water Teratment, Cooling Water, Bottle Water, Food & Beverage, Swimming Pool, Electronics

### Ordering Information

Melt Blown Big Filter Cartridges						
Type	Series	Micron Rating	Filter Media	Nominal Length (inch)		
<b>PB</b> Melt Blown	<b>B</b> - Big Filter	1 – 1 μm 5 – 5 μm   100 – 100 μm	<b>P</b> - Polypropylene	10 - 10" 20 - 20" Other Customized Sizes		
<b>PB</b> Melt Blown	<b>B</b> Big Filter	<b>1</b> 1μm	<b>P</b> Polypropylene	<b>10</b> 10"		
String Wound Big Filter Cartridges						
Type	Filter Media	Series	Micron Rating	Core	Nominal Length (inch)	
<b>SW</b> String Wound	<b>P</b> - Polypropylene <b>B</b> - Bleached Cotton <b>G</b> - Glass Fiber	<b>B</b> - Big Filter	1 – 1 μm 5 – 5 μm   100 – 100 μm	<b>P</b> - Polypropylene <b>4</b> - SUS304 <b>6</b> - SUS316	10 - 10" 20 - 20" Other Customized Sizes	
<b>SW</b> String Wound	<b>P</b> Polypropylene	<b>B</b> Big Filter	<b>5</b> 5μm	<b>P</b> Polypropylene	<b>10</b> 10"	
High Flow Rated Big Filter Cartridges						
Type	Series	Micron Rating	Filter Media	Nominal Length (inch)	Gasket Option	
<b>HP</b> High Flow Rated Pleated Filter Cartridge	<b>B</b> - Big Filter	1 – 1 μm 5 – 5 μm   100 – 100 μm	<b>P</b> - Polypropylene <b>E</b> - Polyester <b>4</b> - SUS304 <b>6</b> - SUS316	10 - 10" 20 - 20" Other Customized Sizes	<b>E</b> - EPDM <b>V</b> - Viton	
High Flow Rated Pleated Filter Cartridge	<b>HP</b> Big Filter	<b>B</b> Big Filter	<b>5</b> 5μm	<b>P</b> Polypropylene	<b>10</b> 10"	<b>E</b> EPDM Gasket

For more information:

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# Big Filter Cartridges

## Melt Blown Big Filter Cartridges

Filter Media	Polypropylene		
Micron Rating	1, 5, 10, 25, 50, 75, 100 µm		
Inside Diameter	1.1"( 28mm)		
Outside Diameter	4.5"(115mm)		
Maximum Operating Temperature	60°C (140°F)		
Maximum Differential Pressure	3 bar at 27°C (43 psi at 80°F)		
Recommended Change Out Differential Pressure	1 bar (14.5 psi)		

## String Wound Big Filter Cartridges

Filter Media	Polypropylene, Bleached Cotton, Glass Fiber		
Micron Rating	1, 5, 10, 20, 30, 50, 75, 100 µm		
Core	Polypropylene, SUS304, SUS316		
Inside Diameter	1.1"( 28mm)		
Outside Diameter	4.5"(115mm)		
	Polypropylene	Bleached Cotton	Glass Fiber
Maximum Operating Temperature	90°C (200°F)	150°C (300°F)	400°C (750°F)
Maximum Differential Pressure	2.7 bar at 27°C (50 psi at 80°F)		
Recommended Change Out Differential Pressure	1 bar (14.5 psi)		

## High Flow Rated Pleated Big Filter Cartridges

Filter Media	Polyester, Polypropylene, Stainless Steel		
Micron Rating	1, 5, 10, 20, 30, 50, 75, 100 µm		
Core	Polypropylene, SUS304, SUS316		
End Cap	Polyurethane, SUS304, SUS316		
Inside Diameter	1.1"( 28mm)		
Outside Diameter	4.5"(115mm)		
	Polyester	Polypropylene	Stainless Steel
Maximum Operating Temperature	75°C (157°F)	75°C (157°F)	677°C (1250°F)
Maximum Differential Pressure	4.8 bar at 20°C (70 psi at 68°F)		
Recommended Change Out Differential Pressure	2.4 bar (35 psi)		

## Activated Carbon Big Filter Cartridges

Filter Media	Activated Carbon Impregnated Cellulose, Granular Carbon PP String Wound, Activated Carbon Block		
Micron Rating	5 µm		
Core	Polypropylene		
End Cap	Polyurethane		
Inside Diameter	1.1"( 28mm)		
Outside Diameter	4.5"(115mm)		
	Activated Carbon Impregnated Cellulose	Granular Carbon PP String Wound	Activated Carbon Block
Maximum Operating Temperature	52°C (125°F)	70°C (158°F)	80°C (176°F)
Maximum Differential Pressure	4.5bar at 25°C (65psi at 77°F)	4.5bar at 25°C (65psi at 77°F)	6.9bar at 25°C (100psi at 77°F)
Recommended Change Out Differential Pressure	2.1bar (31psi)	1bar (14.5psi)	2.1bar (31psi)

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