

# Big Filter Cartridges

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, Our 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) |
|---|---|---|---|---|
| **PB** Melt Blown | **B** - Big Filter | **1** – 1 µm<br>**5** – 5 µm<br>\|<br>**100** – 100 µm | **P** - Polypropylene | **10** - 10"<br>**20** - 20"<br>Other Customized Sizes |

| | | | | |
|---|---|---|---|---|
| **PB** Melt Blown | **B** Big Filter | **1** 1µm | **P** Polypropylene | **10** 10" |

**String Wound Big Filter Cartridges**

| Type | Filter Media | Series | Micron Rating | Core | Nominal Length (inch) |
|---|---|---|---|---|---|
| **SW** String Wound | **P** - Polypropylene<br>**B** - Bleached Cotton<br>**G** - Glass Fiber | **B** - Big Filter | **1** – 1 µm<br>**5** – 5 µm<br>\|<br>**100** – 100 µm | **P** - Polypropylene<br>**4** - SUS304<br>**6** - SUS316 | **10** - 10"<br>**20** - 20"<br>Other Customized Sizes |

| | | | | | |
|---|---|---|---|---|---|
| **SW** String Wound | **P** Polypropylene | **B** Big Filter | **5** 5µm | **P** Polypropylene | **10** 10" |

**High Flow Rated Big Filter Cartridges**

| Type | Series | Micron Rating | Filter Media | Nominal Length (inch) | Gasket Option |
|---|---|---|---|---|---|
| **HP** High Flow Rated Pleated Filter Cartridge | **B** - Big Filter | **1** – 1 µm<br>**5** – 5 µm<br>\|<br>**100** – 100 µm | **P** - Polypropylene<br>**E** - Polyester<br>**4** - SUS304<br>**6** - SUS316 | **10** - 10"<br>**20** - 20"<br>Other Customized Sizes | **E** - EPDM<br>**V** - Viton |

| | | | | | |
|---|---|---|---|---|---|
| **HP** High Flow Rated Pleated Filter Cartridge | **B** Big Filter | **5** 5µm | **P** Polypropylene | **10** 10" | **E** EPDM Gasket |

**For more information:**
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FLTR Purple Engineering

# 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) |

**For more information:**

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