

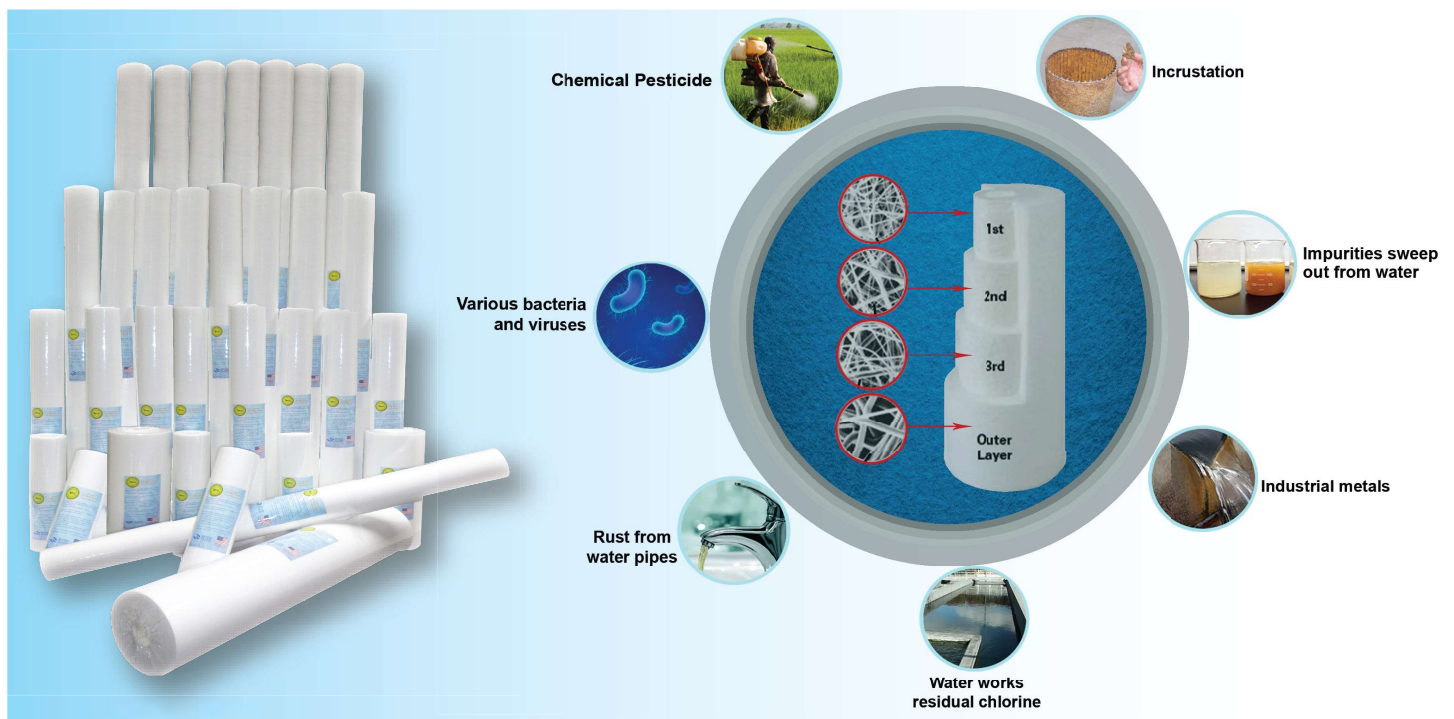
## PP Melt Blown Cartridge Filter

### Description

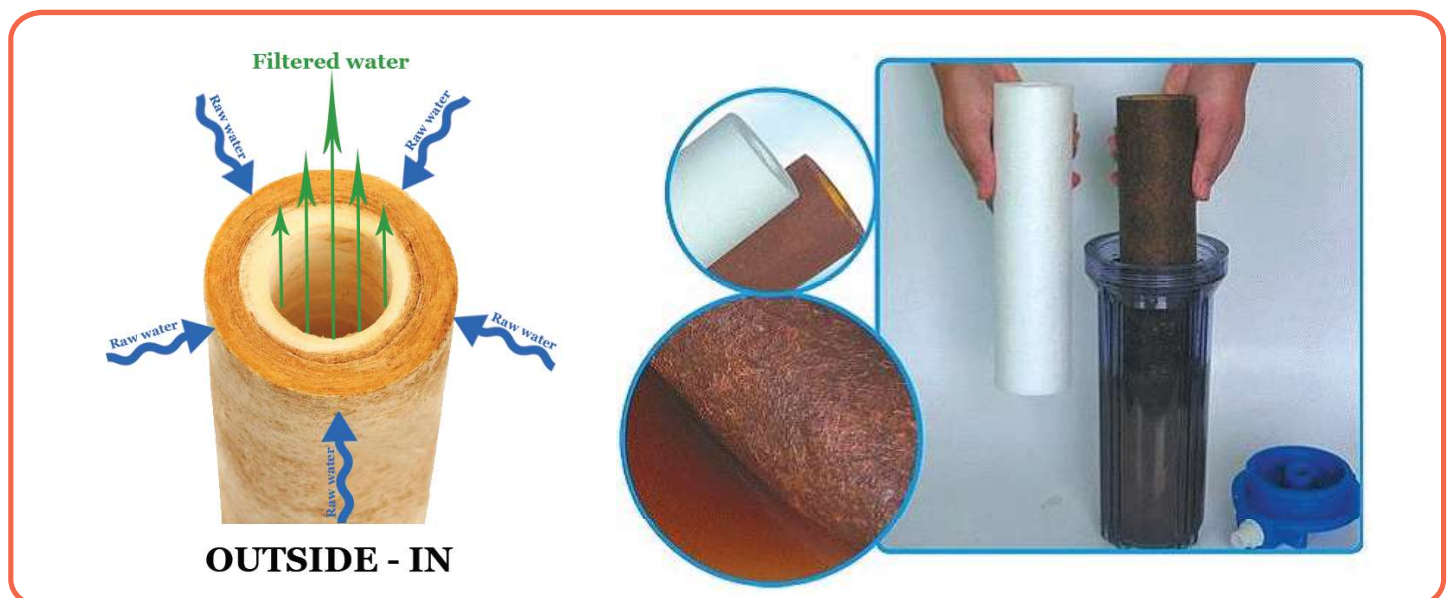
Polypropylene (PP) Melt blown cartridge filter is made from polypropylene resin, heated, melted, sprayed, drew and formed in tubular multi-layered cartridge filter.

### Application

- Water treatment (e.g. Reverse Osmosis system)
- Electronics, electronic & power industries (e.g. pure water, gas, electroplate liquid, presswork)
- Chemical and petrochemical industries (e.g. solvent, coating, magnetism slurry, wash )
- Medicine & pharmacy (e.g. pure water injection and ally liquid)
- Grocery industry (e.g. food, alcohol)



TEMA Polypropylene (PP) Melt blown cartridge filter is composed of 4-zone technology that allows the larger particles to be trapped on the outer layers. The inner most layer is where the true efficiency rating is achieved. The two images show how there is a consistent dirt loading pattern throughout the life of the filter.



# PP Melt Blown Cartridge Filter

## Features

- groove design to extend the filtration surface
- high filter precision
- large flow with slight pressure difference
- greater dirt holding
- longer service life
- high pressure resistance
- meets FDA requirements for food and beverage



**Mini groove Surface**



**Smooth Surface**

## Technical Parameter (Standard Size)

| Filter Precision<br>Micron | Length<br>size | Surface Type       | Outside<br>Diameter | Inside<br>Diameter | Initial<br>Precision  | Maximum<br>Particle | Flow Rate |
|----------------------------|----------------|--------------------|---------------------|--------------------|-----------------------|---------------------|-----------|
| 1 $\mu\text{m}$            | 10"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 15 $\mu\text{m}$    | 10 LPM    |
|                            | 20"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 15 $\mu\text{m}$    | 20 LPM    |
|                            | 30"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 15 $\mu\text{m}$    | 30 LPM    |
|                            | 40"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 15 $\mu\text{m}$    | 40 LPM    |
| 5 $\mu\text{m}$            | 10"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 17 LPM    |
|                            | 20"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 34 LPM    |
|                            | 30"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 51 LPM    |
|                            | 40"            | Smooth/Mini groove | 63mm                | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 64 LPM    |

Tolerance : \* Outside and inside diameter  $\pm 1$  mm. \* Weight is approximately  $\pm 8$  % for all sizes.

## Technical Parameter (Big Blue)

| Filter Precision<br>Micron | Length<br>size | Surface Type       | Outside<br>Diameter | Inside<br>Diameter | Initial<br>Precision  | Maximum<br>Particle | Flow Rate |
|----------------------------|----------------|--------------------|---------------------|--------------------|-----------------------|---------------------|-----------|
| 5 $\mu\text{m}$            | 10"            | Smooth/Mini groove | 111mm               | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 34 LPM    |
|                            | 20"            | Smooth/Mini groove | 111mm               | 28mm               | 10 - 15 $\mu\text{m}$ | 35 $\mu\text{m}$    | 68 LPM    |

Tolerance : \* Outside and inside diameter  $\pm 2$  mm. \* Weight is approximately  $\pm 8$  % for all sizes.

## Stainless Steel Cartridge Housing

Tema cartridge housings offer outstanding durability and corrosion resistance for wide variety of industrial and commercial applications. Constructed from stainless steel 304 or 316L, these housings accept a wide variety of cartridge types. This gives the user flexibility to choose the number, type and size of cartridges needed for chemical compatibility and particle retention.



### Specification

- material is made of SUS 304 or SUS 316
- maximum working pressure ranges from 100 psi to 150 psi
- non-single element fixed or single element fixed type
- polished or matte finish surface

### Features

- well-sealed, easy operation
- high filtration efficiency
- filter cartridge can be easily replaced
- premium quality, long-life use

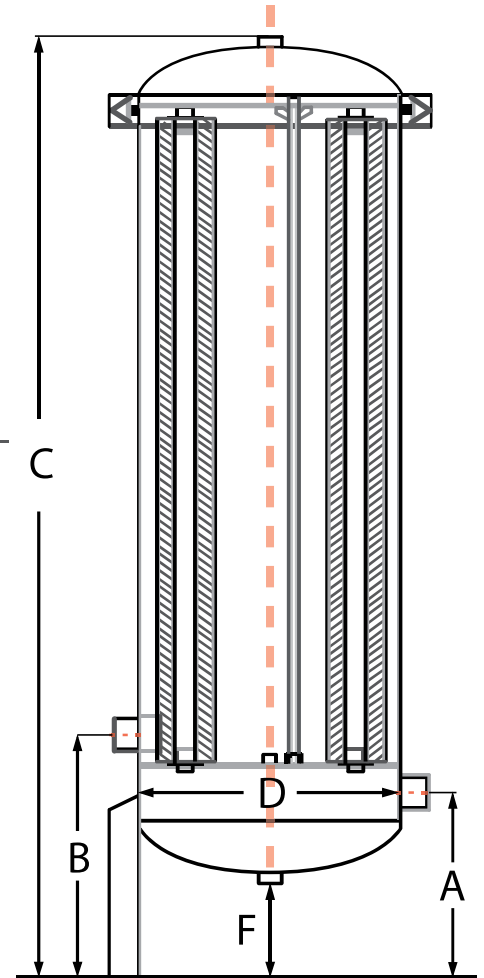
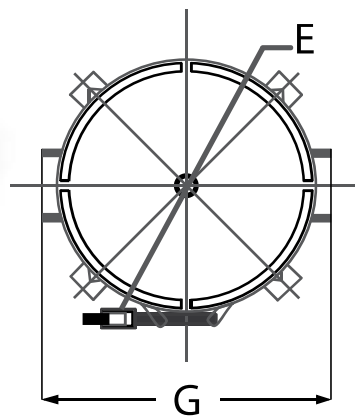
### Applications

- Water
- General Industrial
- Chemical
- Oil and Gas
- Commercial



## Stainless Steel Cartridge Housing

### CFS2 Model Series



### Specification

- Material : SUS304, SUS316
- Maximum working pressure : 100 psi
- Surface finish : polished finish surface, matt finish surface

### Technical Parameter

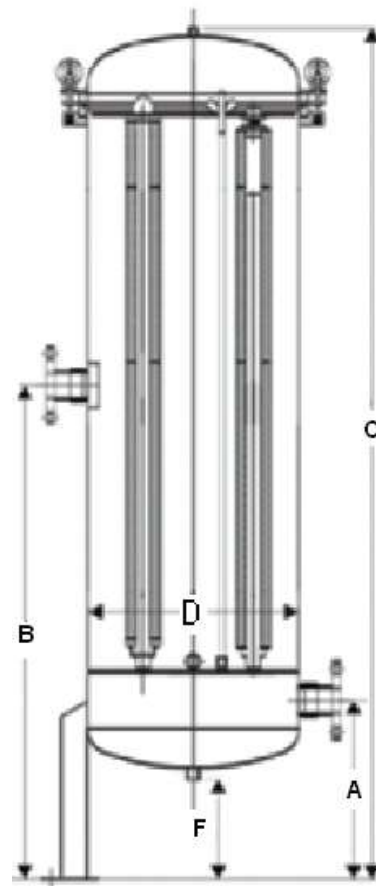
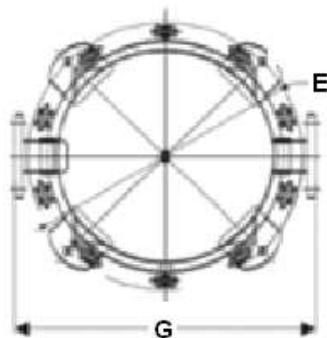
| Model      | A   | B   | C    | D    | E    | F   | G   | In/Out | Drain |
|------------|-----|-----|------|------|------|-----|-----|--------|-------|
| CFS2-E5S20 | 190 | 290 | 830  | Ø195 | Ø250 | 100 | 260 | 1-1/2" | 1/2"  |
| CFS2-E5S40 | 190 | 290 | 1370 | Ø195 | Ø250 | 100 | 260 | 2"     | 1/2"  |
| CFS2-E7S20 | 220 | 310 | 840  | Ø230 | Ø300 | 100 | 310 | 2"     | 1/2"  |
| CFS2-E7S40 | 220 | 310 | 1380 | Ø230 | Ø300 | 100 | 310 | 2-1/2" | 1/2"  |

\* Above price is for CFS2 model SUS304 material only. SUS316L material price is available upon request.



# Stainless Steel Cartridge Housing

## CFS4 Model Series



### Specification

- Material : SUS304, SUS316L
- Maximum working pressure : 150 psi
- Surface finish : polished finish surface, matt finish surface

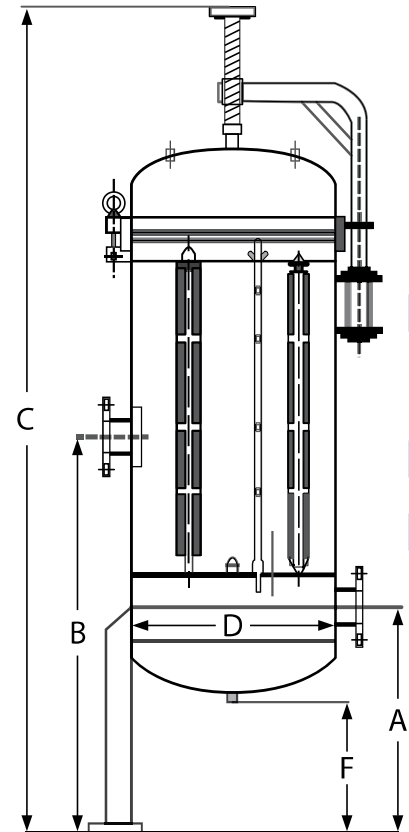
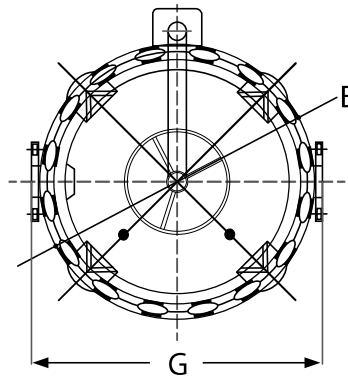
### Technical Parameter

| Model       | A   | B    | C    | D    | E    | F   | G   | In/Out | Drain |
|-------------|-----|------|------|------|------|-----|-----|--------|-------|
| CFS4-E7S40  | 300 | 800  | 1550 | Ø230 | Ø250 | 150 | 390 | 2"     | 1/2"  |
| CFS4-E11S40 | 360 | 900  | 1620 | Ø300 | Ø300 | 200 | 440 | 3"     | 3/4"  |
| CFS4-E15S40 | 380 | 900  | 1660 | Ø325 | Ø350 | 200 | 530 | 3"     | 3/4"  |
| CFS4-E19S40 | 400 | 900  | 1700 | Ø377 | Ø400 | 200 | 560 | 4"     | 3/4"  |
| CFS4-E27S40 | 460 | 1000 | 1770 | Ø450 | Ø450 | 250 | 630 | 4"     | 3/4"  |

\* Above price is for CFS4 model SUS304 material only. SUS316L material is available upon request.

## Stainless Steel Cartridge Housing

### CFS5 Model Series



### Specification

- Material : SUS304, SUS316L
- Maximum working pressure : 150 psi
- Surface finish : polished finish surface, matt finish surface

### Technical Parameter with

| Model       | A   | B    | C    | D    | E    | F   | G   | In/Out | Drain |
|-------------|-----|------|------|------|------|-----|-----|--------|-------|
| CFS5-E27S40 | 400 | 1100 | 1930 | Ø450 | Ø450 | 250 | 610 | 4"     | 3/4"  |

\* Above price is for CFS5 model SUS304 material only. SUS316 material is available upon request.

### Model Specification

Ex : CFS2 - E5S20

- membrane size (S20 = 20", S40 = 40")
- no. of elements (E5 = 5 elements, E7 = 7 elements, etc.)
- SUS Cartridge Housing model