



Parker's Fulflo® stainless steel cartridges provide the optimum filtration solution for fluids and gases in high temperature and high flow rate applications.

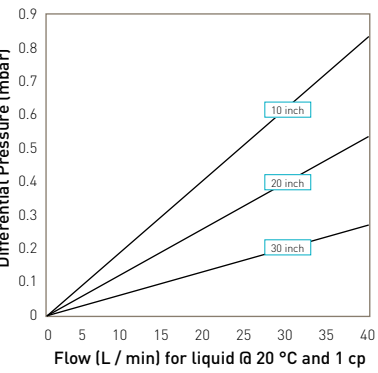
Available in a cylindrical or pleated design, cleanable stainless steel cartridges are the logical choice when natural and synthetic media cartridges cannot meet aggressive process conditions.

Fulflo® reusable 304 and 316 grade stainless steel cartridges offer versatility of choice with fourteen nominal particle removal ratings, six standard lengths and a variety of end configurations and seal materials.

Features and Benefits

- Temperature capability up to 260°C (500°F) with synthetic seals; up to 816°C (1500°F) with NPT connections
- Variety of seal configurations allow retrofit in many filter vessel designs
- Available in 304 and 316 stainless steel for compatibility choice with aggressive chemicals
- Welded and crimped construction eliminates the need for adhesive which can be a contaminant source and limit temperature range
- Available in fourteen nominal ratings from 2 to 840 microns for a wide range of particle size removal
- Optional perforated stainless steel pleat protectors minimize handling damage

Performance Characteristics



Flow rates are the same for all ratings  
Centre core id and length are primary flow restrictions

10" Size (250 mm) Cartridge

Metallic Filter Cartridges

- liquid filters
- stainless steel



Metallic Filter Cartridges

Specifications

Materials of Construction

- Filtration Media: Stainless Steel Wire Cloth
- Structural Components: 100% Stainless Steel
- Seal Materials: Grommets: Buna N, Viton, PTFE, EPDM
- O-rings: Buna N, EPDM, Viton, PFA encapsulated viton
- Construction Method: Welded

Meets FDA guidelines with optional seal materials ("F" Code)

Maximum Recommended Operating Conditions

- Temperature
- 816°C (1500°F): NPTF and NPTM styles only
  - 260°C (500°F): Any cartridge style with PTFE grommet
  - 204°C (400°F): Any cartridge style with Viton or PFA encapsulated Viton seal material
  - 149°C (300°F): Any cartridge style with EPDM seal material
  - 121°C (250°F): Any cartridge style with Buna N Seal material

Maximum Differential Pressure

- Standard core: 4.1 bar (60 psi)  
High pressure core: 20.7 bar (300 psi)

Recommended Changeout Differential Pressure

2.4 bar (35 psid)

Effective Filtration Area

Cylindrical: 0.5ft² / 10" length (465 cm² / 254 mm)

Pleated: 1.7ft² / 10" length (1580 cm² / 254 mm)

Dimensions

- Outside Diameter
- Cylindrical: 64 mm (2 1/2")
  - Pleated: 67 mm (2 5/8")

Inside Diameter

27 mm (1 1/16")

Lengths (nominal)

10", 20" and 30"

Grommet

27 mm (1 1/16") ID x 48 mm (1 7/8") OD

Removal Rating / Mesh Count / Open Area

| Micron Rating        |      | Mesh Count | Percent Open Area |
|----------------------|------|------------|-------------------|
| Nominal / (Absolute) |      | (per inch) |                   |
| 2                    | (9)  | 325 x 2300 | NA                |
| 5                    | (14) | 200 x 1400 | NA                |
| 10                   | (18) | 165 x 1400 | NA                |
| 20                   | (32) | 200 x 600  | NA                |
| 40                   | (55) | 120 x 400  | NA                |
| 75                   |      | 190 x 200  | 35                |
| 100                  |      | 30 x 150   | 31                |
| 150                  |      | 90 x 100   | 33                |
| 190                  |      | 70 x 80    | 35                |
| 230                  |      | 50 x 60    | 41                |
| 280                  |      | 40 x 50    | 35                |
| 370                  |      | 40 x 40    | 36                |
| 540                  |      | 30 x 30    | 45                |
| 840                  |      | 20 x 20    | 52                |

Ratings from 2 - 40 micrometers are twill dutch weave pattern  
Ratings from 75 - 840 micrometers are open square weave pattern

Applications

- Viscous fluids
- Hot wax
- Aggressive gases
- Polymer filtration
- Corrosive fluid
- Catalyst recovery
- Caustic cleaning solutions

Ordering Information

| Code   Cartridge                                               | Nominal Micron Rating                                                                        | Code   Length (Nominal)                                                                                                                             | Code   Media Support Construction              | Code   Seal Material                                                                                                         | Code   Endcap Configuration                                                                                                                                                                                    | Code   Special Options                                                                          |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| CSS Cylindrical Stainless Steel<br>PSS Pleated Stainless Steel | 2<br>5<br>10<br>20<br>29<br>40<br>75<br>100<br>150<br>190<br>230<br>280<br>370<br>540<br>840 | 4 4" (102 mm)<br>9 9" (248 mm)<br>10 10" (254 mm)<br>19 19.5" (495 mm)<br>20 20" (508 mm)<br>29 29" (743 mm)<br>30 30" (762 mm)<br>40 40" (1016 mm) | G 304 Stainless Steel<br>S 316 Stainless Steel | E EPDM<br>F PTFE (grommet only)<br>N Buna N<br>T PFA / Viton* (O-ring only)<br>V Viton*<br>X No Seal Material (FC, MC style) | DO Double open end (DOE)<br>DX Double open end with extended core<br>FC Single open end with 1" NPTF female connection<br>MC Single open end with 1" NPTM male<br>SC 226 O-ring / Flat<br>TC 222 O-ring / Flat | F FDA Grade Seal Material<br>H High Pressure Core (316 SS)<br>P Pleat Protector Sleeve (316 SS) |

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