



Metallic Filter Cartridges

- liquid filters
- stainless steel

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.

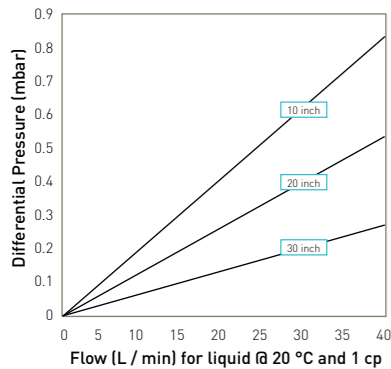
Fulflo® reusable 304 and 316 grade stainless steel cartridges offer versatility of choice with fourteen nominal particle removal ratings, six standard lengths and a variety of end configurations and seal materials.

Features and Benefits

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

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

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

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