

Metallic Filter Cartridges

- liquid filters
- stainless steel



Parker's Fullflo® 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.

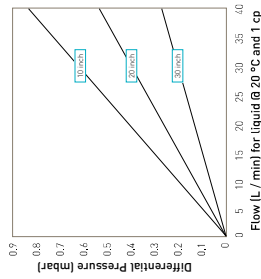
Fullflo® reusable 304 and 316 grade stainless steel cartridges offer versatility of choice with fourteen nominal particle removal ratings, six standard lengths and a variety of end configurations and seal materials.

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 lengths are primary flow restrictions

10" Size (250 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: Stainless Steel Wire Cloth
- Structural Components: 100% Stainless Steel
- Seal Materials: Buna N, Viton, PTFE, EPDM, EPDM, Viton, PFA encapsulated viton

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)

Maximum Recommended Operating Conditions

Temperature
816°C (1500°F): Any cartridge style with PTFE grommet
260°C (500°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

Dimensions

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

Inside Diameter

27 mm (1 1/8")
Lengths (Nominal)
10", 20" and 30"

Grommet

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

Applications

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

Ratings from 2 - 40 micrometers are well Dutch weave pattern
Ratings from 75 - 840 micrometers are open square weave pattern

Removal Rating / Mesh Count / Open Area

Micron Rating	Nominal / Absolute	Mesh Count (per inch)	Percent Open Area
2	80	335 x 330	NA
5	30	200 x 1400	NA
10	15	165 x 1400	NA
20	7.5	200 x 600	NA
40	3.75	120 x 400	NA
75	1.9	190 x 200	35
150	95	30 x 100	33
300	50	70 x 80	35
230	50	50 x 60	41
280	50	40 x 50	35
370	40	40 x 40	36
540	28	20 x 20	36
840	20	20 x 20	52

Ordering Information

Code Cartridge	Nominal Micron Rating	Code Length (Nominal)	Code Media Support Construction	Code Seal Material	Code Endcap Configuration	Code Special Options
GSS	Cylindrical Stainless Steel	4" (102 mm)	B - 304 Stainless Steel	E - EPDM	DD - Double open end (DDE)	F - FDA Grade Seal Material
PSS	Pleated Stainless Steel	7" (178 mm)	S - 316 Stainless Steel	F - PTFE (Grommet only)	DX - Double open end with extended core	H - High Pressure Core (316 SS)
		10" (254 mm)		N - NPTM	FC - Single open end with 1" NPTM female connection	P - Pleat Protector Sleeve (316 SS)
		19" (483 mm)		T - PFA / Viton* (O-ring only)	MC - Single open end with 1" NPTM male	
		20" (508 mm)		V - Viton*	SC - 226 O-ring / Flat	
		29" (743 mm)		X - No Seal Material (F-C, MC style)		
		30" (762 mm)				
		40" (1016 mm)				
		75				
		150				
		190				
		230				
		280				
		370				
		540				
		840				

*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.