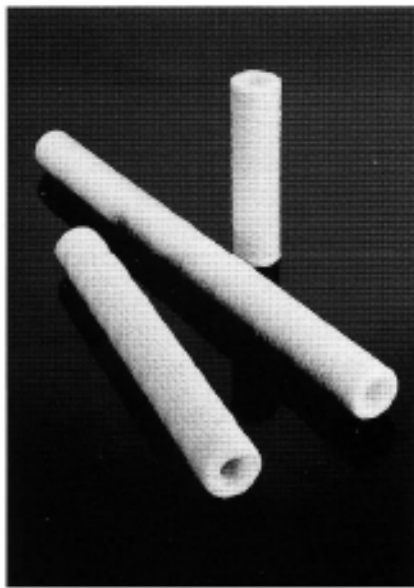


# FULFLO<sup>®</sup> SWC FILTER CARTRIDGES

Economical filtration solutions with string-wound depth cartridges



Parker's SWC Filter cartridge offers a wide range of fibers and core materials. Roving is wound onto a center core for strength. The diagonal pattern of the media forms a tight, interlocking weave. Parker has one of the world's largest manufacturing plants for wound cartridges, offering superior quality with technical, engineering and marketing support.

## BENEFITS

- Multiple length cartridges minimize changeout time, eliminate spacers and are available to fit competitive filter vessels
- Cotton and polypropylene materials are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Continuous-strand roving geometry provides performance consistency
- Extended center core option eliminates the need for cartridge guides in competitive and Fulflo multi-cartridge vessels
- One-piece extended length center cores are available in tinned steel, 316 stainless steel and 304 stainless steel
- A special snap-in extender is available for polypropylene cores
- FDA grade polypropylene (DOE only) certified to ANSI/NSF61 standard for contact with drinking water components

## APPLICATIONS

- Water
- Potable liquids
- Prefilter for R.O. membranes
- Vegetable oils

## SPECIFICATIONS

### Materials of Construction:

Polypropylene  
Cotton

### Maximum Recommended Operating Conditions:

Temperature

#### Polypropylene

200°F (93°C) with tinned steel or stainless steel cores

120°F (49°C) with polypropylene cores

#### Cotton

250°F (121°C) with tinned steel or stainless steel cores;

120°F (49°C) with polypropylene cores

Changeout  $\Delta P$  30 psi (2.1 bar)

$\Delta P$  @ Ambient Temperature 60 psi (4.1 bar)

Flow Rate 10 gpm (38 lpm) per 10-in length

### Nominal Removal Ratings:

90% efficiency from 100  $\mu m$  to 1  $\mu m$

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## PERFORMANCE ATTRIBUTES

### SWC Flow Factors (psid/gpm @ 1 cps)

Rating (µm)	Cotton	Polypropylene
1	2.00	0.75
3	0.63	0.33
5	0.36	0.24
10	0.19	0.14
15	0.16	0.12
20	0.11	0.09
25	0.10	0.08
30	0.09	0.07
50	0.07	0.06
75	0.06	0.05
100	0.06	0.05

### Flow Rate and Pressure Drop Formulae:

$$\text{Flow Rate (gpm)} = \frac{\text{Clean } \Delta P \times \text{Length Factor}}{\text{Viscosity} \times \text{Flow Factor}}$$

$$\text{Clean } \Delta P = \frac{\text{FlowRate} \times \text{Viscosity} \times \text{Flow Factor}}{\text{Length Factor}}$$

### Notes:

1. Clean  $\Delta P$  is PSI differential at start.
2. Viscosity is centistokes. Use Conversion Tables for other units.
3. Flow Factor is  $\Delta P/\text{GPM}$  at 1 cks for 10 inch (or single).
4. Length Factors convert flow or  $\Delta P$  from 10 inch (single length) to required cartridge length.

## ORDERING INFORMATION

SWC

Nominal Micron Ratings	
CODE	DESCRIPTION
1	1.0
3	3.0
5	5.0
10	10.0
15	15.0
20	20.0
25	25.0
30	30.0
50	50.0
75	75.0
100	100.0

Media	
CODE	DESCRIPTION
C	Cotton (FDA Grade)
M	Polypropylene (FDA grade)

Nominal Length (in)	
CODE	LENGTH
9-4	9-7/8
10	10
19-4	19-1/2
20	20
29-4	29-1/4
30	30-3/16
39	39
40	40-3/16

Core Material	
CODE	DESCRIPTION
A	Polypropylene
G	304 SS
S	316 SS
None	Tinned Steel

Core Cover Material	
CODE	DESCRIPTION
Blank	No Cover
V	Non-Woven Polyester
Y	Polypropylene

Core Extender	
CODE	DESCRIPTION
Blank	None
OB	Std. Open End/ Polypro Spring Closed End
XC	Integral (Tinned Steel 304SS or 316SS)
XA	Snap-in (Polypropylene)
XB	Ext. Core Open End/Polypro Spring Closed End

Packaging Options	
CODE	DESCRIPTION
Z	Individual Poly Bag
TIS	Tissue Wrap

## TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to [PAFsales@parker.com](mailto:PAFsales@parker.com). For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at [www.parker.com](http://www.parker.com) or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

## DISTRIBUTED BY:

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