

C-2051

Fulflo® Mega-Flow Plus Filter Cartridges

Absolute Rated, High Flow Capacity, Pleated Filter Cartridges

Parker's Fulflo® MegaFlow+™ cartridges are ideally suited for high flow applications where absolute particle removal is required. Each MegaFlow+™ cartridge can handle flow rates up to 175 gpm (662 lpm), significantly reducing the number of cartridges required as well as the housing size. Each 6 inch (152 mm) diameter MegaFlow+™ cartridge has flow capacity equal to 8 standard 2 ½ inch OD X 40 inch long cartridges. Positive O-ring seals and a built in handle make cartridge installation reliable, fast and easy.

MegaFlow+™ cartridges are available with pleated polypropylene media for use in a wide variety of fluids. Absolute ratings range from 1 µm to 150 µm.



Benefits

- High flow capacity means fewer cartridges and less time to change
- High flow capacity allows smaller housings
- Built in handle makes change fast, easy and safe
- O-ring seal assures filtration integrity
- Choice of polypropylene media expands fluid compatibility
- High surface area pleated design provides low pressure drop and long service life

- Polypropylene cartridges comply with FDA regulations per CFR Title 21
- Horizontal and vertical housings available for flow rates up to 3325 gpm (12,586 lpm)
- Reduces process interruptions

Applications

- Potable Water
- Vegetable Oil
- Wastewater
- Lubricants
- Food and Beverage
- Coolants



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Specifications

Absolute Filtration Ratings:

($\beta_x = 5000$; 99.98%):

Polypropylene: 1, 2, 5, 10, 20, 40, 70 μm

Cellulose: 10, 15, 25, 100, 150 μm

Materials of Construction:

Media: Polypropylene microfiber

(P Code) Cellulose with phenolic binder
(C Code)

Support Layers: Polypropylene (P Code);

End caps: Glass Filled Polypropylene

O-Rings: Buna-N, EPR, Silicone, Fluoro-elastomer

Cartridge Code	Absolute Rating	Media	Removal Rating (Microns) at Efficiency				Flow Factor* [PSID/GPM (Mbar/lpm)]
			99.98%	99.9%	99%	98%	
MFAP010	1	Polypropylene	1	0.8	0.45	<0.2	0.078 (1.4)
MFAP020	2	Polypropylene	2	1.5	0.8	0.2	0.031 (0.6)
MFAP050	5	Polypropylene	5	4	1	0.45	0.008 (0.01)
MFAP100	10	Polypropylene	10	7	2	0.5	0.003 (0.06)
MFAP200	20	Polypropylene	20	13	4	2	0.002 (0.04)
MFAP400	40	Polypropylene	40	22	7	3	0.001 (0.02)
MFAP700	70	Polypropylene	70	52	22	15	0.0008 (0.015)
MFAC100	10	Cellulose	10	8	2	1	0.003 (0.05)
MFAC150	15	Cellulose	15	10	3	2	0.002 (0.03)
MFAC250	25	Cellulose	25	20	5	3	0.0002 (0.003)
MFAC1000	100	Cellulose	100	85	10	5	0.0001 (0.002)
MFAC1500	150	Cellulose	150	100	30	15	0.00005 (0.0009)

*In water at 1 cks

Recommended Operating Conditions:

Change Out Differential Pressure:

35 psid (2.4 bar)

Maximum Flow Rate: 175 gpm (662 lpm)

Maximum Temperature: 200°F (93°C)

Maximum Differential Pressure: 150 psid (10 bar)

Flow Rate and Pressure Drop Formulas:

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

$$\text{Clean } \Delta P = \text{Flow Rate} \times \text{Viscosity} \times \text{Flow Factor}$$

1. Clean ΔP 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 in (or single).

Dimensions:

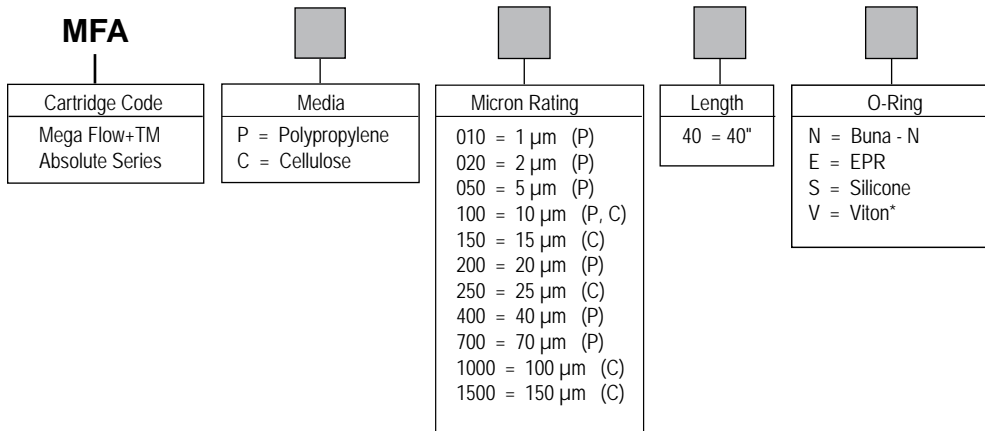
6 in (152 mm) OD 3.5 in (89 mm) ID,

40 in (1016 mm) long

Surface Area

55 - 60 ft.² (5.1 - 5.6 m²)

Ordering Information



Specifications are subject to change without notification.

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