# Fulflo® MegaFlow™ Plus Filter Cartridges

Absolute-rated, high-flow capacity pleated cartridge

Parker's Fulflo® MegaFlow™ Plus cartridges are ideally suited for high flow applications where absolute particle removal is required. Each Mega-Flow Plus cartridge can handle flow rates up to 175gpm (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 Plus cartridges are available with pleated polypropylene media for use in a wide variety of fluids. Absolute ratings range from 1 µm to 150 µm.



# **Contact Information**

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# **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
- All cartridges constructed with polypropylene are FDA listed as acceptable for potable and edible contact according to CFR Title 21

- Horizontal & vertical housings available for flow rates up to 3325gpm (12,586 lpm)
- Reduces process interruptions
- ISO 9001 registered company

# **Applications**

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



# Fulflo® MegaFlow™ Plus Filter Cartridges

### **SPECIFICATIONS**

# Absolute Filtration Ratings (β<sub>z</sub> = 5000; 99.98%)

<u>Polypropylene</u> - 1, 2, 5, 10, 20, 40, 70 μm <u>Cellulose</u> - 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, Fluoroelastomer

### **Recommended Operating Conditions**

Change Out Differential Pressure

• 35psid (2.4bar)

### Maximum Flow Rate

• 175gpm (662 lpm)

### Maximum Temperature

• 200°F (93°C)

### Maximum Differential Pressure

• 150psid (10bar)

#### **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)

Cartridge Code	Absolute Rating	Media	Removal Rating (µm) @ Efficiency of:				Flow Factor*
			98%	99%	99.9%	99.98%	[(psid   gpm (mbar   lpm)]
MCAP010	1	Polypropylene	<0.2	0.45	0.8	1	0.078 (1.4)
MCAP020	2	Polypropylene	0.2	0.8	1.5	2	0.031 (0.6)
MCAP050	5	Polypropylene	0.45	1	4	5	0.008 (0.01)
MCAP100	10	Polypropylene	0.5	2	7	10	0.003 (0.06)
MCAP200	20	Polypropylene	2	4	13	20	0.002 (0.04)
MCAP400	40	Polypropylene	3	7	22	40	0.001 (0.02)
MCAP700	70	Polypropylene	15	22	52	70	0.0008 (0.015)
MCAC100	10	Cellulose	1	2	8	10	0.003 (0.05)
MCAC150	15	Cellulose	2	3	10	15	0.002 (0.03)
MCAC250	25	Cellulose	3	5	20	25	0.0002 (0.003)
MCAC1000	100	Cellulose	5	10	85	100	0.0001 (0.002)
MCAC1500	150	Cellulose	15	30	100	150	0.00005 (0.0009)

<sup>\*</sup>In water at 1cks

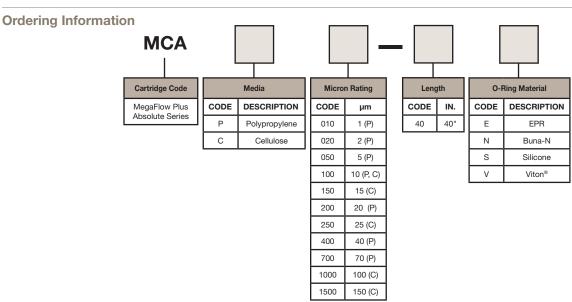
#### Flow Rate and Pressure Drop Formulas

Flow Rate (gpm) = Clean  $\triangle P x$ Viscosity x Flow Factor

Clean  $\Delta P$  = Flow Rate x Viscosity x Flow Factor

#### Note:

- Clean ΔP is psi differential at start.
- 2. Viscosity is centistokes. Use Conversion Tables for other units. 3. Flow Factor is  $\Delta P/GPM$  at 1cks for 10 in
- Flow Factor is ΔP/GPM at 1cks for 10 in (or single).



Specifications are subject to change without notification. For User Responsibility Statement, see www.parker.com/safety

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