

# Parker Series RCP

FULFLO® PARMAX™

PLEATED LARGE DIAMETER,  
HIGH FLOW CARTRIDGES

for use in Parker Series PX Fulflo® ParMax™ multi-cartridge  
filter vessel or competitor vessels of similar design

IMPROVED  
DESIGN



ParMax™ cartridges combine the best of pleated and large diameter technologies. ParMax cartridges are manufactured for inside-out flow, providing absolute filtration ratings from 1 to 90 micron. The unique layer construction provides

excellent retention across a wide range of flux rates and the rigid cage construction provides greater security in demanding applications. One six-inch diameter cartridge can handle up to 500 gpm flow (60" length).

FEATURES	BENEFITS
W-Pleat Configuration	Optimizes dirt-holding capacity with more internal area and provides strength to pleat pack to prevent folding and blinding.
High Strength Rigid Polypropylene Cage	Ideal for harsh conditions and demanding applications by increasing media integrity during backflush or slug conditions.
Large Diameter (6") Cartridge	Yields higher flow rates and longer on-stream life than standard 2.5" filters requiring use of fewer cartridges and cutting capital expenditure.
Patented Chevron Seal	Ensures complete sealing compared to a standard O-ring seal, especially when support plate or baskets are out of round.
Integrated Handle in End Cap	No tools required for cartridge change-outs yields simple and safe change-outs to reduce downtime.
Inside-to-Outside Flow Direction	Contaminant captured inside cartridge provides cleaner and easier extraction during change-outs.
FDA Materials	All materials of Construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.

- Reverse Osmosis (RO) Pre-Filtration
- Process Water
- Municipal Water
- Chemicals & Solvents
- Food & Beverage

APPLICATIONS



ENGINEERING YOUR SUCCESS.

## MATERIALS

<b>MEDIA AND NETTING SUPPORT</b>	Multi-Layered Polypropylene, W-Pleat Design
<b>OUTER SUPPORT</b>	Polypropylene
<b>END CAPS</b>	Polypropylene
<b>SEAL</b>	Chevron: EPDM, Buna-N, Viton® O-Ring: Silicone

## NOMINAL DIMENSIONS

SIZE	O.D.	I.D.	LENGTH
20	6" / 152mm	2.9" / 74mm	20" / 508mm
40	6" / 152mm	2.9" / 74mm	40" / 1016mm
60	6" / 152mm	2.9" / 74mm	60" / 1524mm

## PERFORMANCE

**MICRON RATINGS:** 1, 3, 4.5, 10, 20, 30, 40, 90

**EFFICIENCY:** 99.98%

## OPERATING DATA

**FLOW DIRECTION:** Inside-to-Outside

**MAX TEMP:** 180°F / 82°C

**MAX. DIFFERENTIAL PRESSURE:** 50 psid / 3.4 bar

**RECOMMENDED CHANGE-OUT**

**DIFFERENTIAL PRESSURE:** 35 psid / 2.4 bar

**PH RANGE:** 2–12

**RECOMMENDED OPERATING CONDITIONS:**

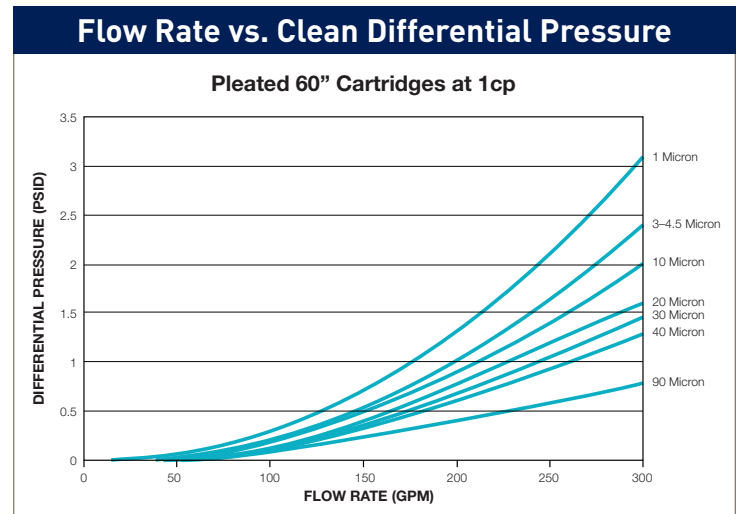
Optimal Flow Rate @ 1cP (Water) 40"L = 200 gpm

Max Allowable Flow Rate @ 1cP (Water) 40"L = 350 gpm

Optimal Flow Rate @ 1cP (Water) 60"L = 300 gpm


Max Allowable Flow Rate @ 1cP (Water) 60"L = 500 gpm

## Flow Rate vs. Clean Differential Pressure



## ORDERING INFORMATION

<b>RCP</b>	<b>30</b>	<b>40</b>	<b>E</b>	<b>PP</b>
<b>SERIES</b>	<b>PERFORMANCE</b>	<b>SIZE</b>	<b>SEAL</b>	
	<b>CODE</b>   <b>MICRON</b>	<b>CODE</b>   <b>LENGTH</b>	<b>CODE</b>   <b>MATERIAL</b>	
	010   1	20   20"	N   Buna-N	
	030   3	40   40"	E   EPDM	
	045   4.5	60   60"	S   Silicone	
	100   10		V   Viton	
	200   20			
	300   30			
	400   40			
	900   90			



RCP media and length configurations built with an EPDM seal carry an NSF 61 certification.

- Protected by USA Patent No. 8,961,644.
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**Parker Hannifin Corporation**  
**Industrial Process Filtration Division**  
 Phone 940-325-2575 | Toll Free 1-800-877-7326  
 Email IPF\_AM\_TechSupport@parker.com  
[www.parker.com/ipf](http://www.parker.com/ipf)