PARMAX
Food and Beverage
Filter Cartridges

The best of pleated and large diameter technologies are combined in Parker domnick hunter's PARMAX high flow filter cartridges.

The unique layered construction provides excellent retention across a wide range of flux rates. One 6¨ diameter cartridge can handle up to 80 m3 / hr flow (60¨ length). The inside to outside flow allows for a high contaminant holding capacity and a long filter life which makes the PARMAX an ideal choice for a wide variety of critical process applications.

PARMAX cartridges are available in polypropylene in absolute (99.98%) micro ratings from 1 to 90 microns.
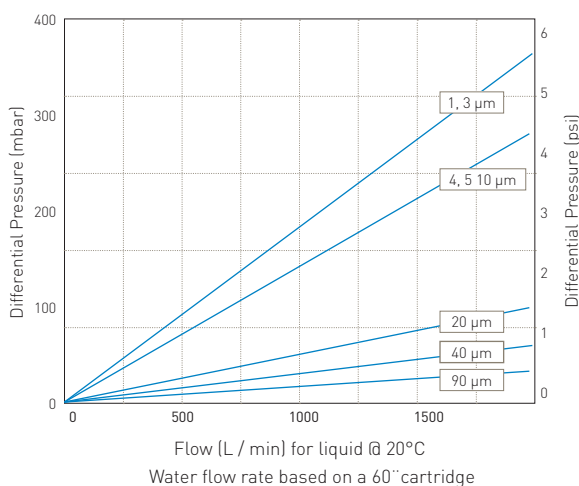
Features

❚ Large diameter for high flow rates and ease of change-out

❚ Absolute retention ratings from 1 micron to 90 micron

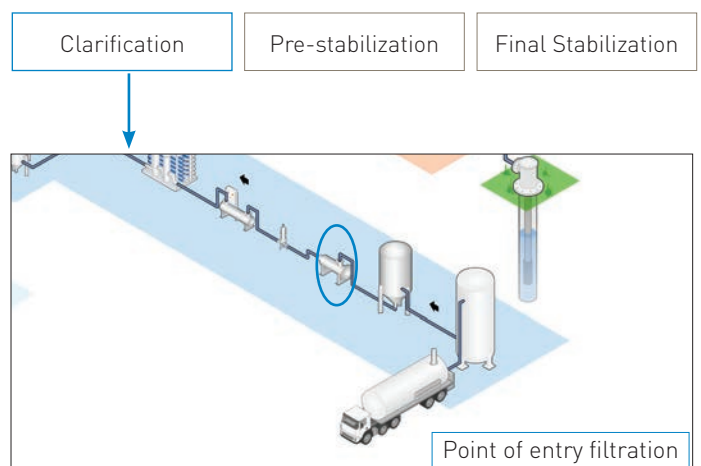❚ Inside - out flow pattern ensures positive capture of contaminants

Benefits

❚ Small filter system size and reduced running cost to represent an economical solution to a wide range of clarification duties

❚ Consistent quality filtrate is delivered in a wide range of clarification applications

❚ Increased protection to downstream systems and elimination of start-up cleans following change-out

Performance Characteristics

Differential Pressure (mbar) / Differential Pressure (psi)

1, 3 µm
4, 5 10 µm
20 µm
40 µm
90 µm

Flow (L / min) for liquid @ 20°C
Water flow rate based on a 60¨cartridge

Filtration Stage

| Clarification | Pre-stabilization | Final Stabilization |

Point of entry filtration

Specifications

Materials of Construction

❚ Filtration Media: Polypropylene
❚ Support / Drainage: Polypropylene
❚ Hardware: Polypropylene
❚ Standard O-rings (SOE):   EPDM
                             Silicone

Food Contact Compliance

Materials conform to the relevant requirements of FDA 21 CFR Part 177 and current EC1935 / 2004.

Maximum Operating Temperature

80 °C (176 °F) @ 2.1 bar (30 psi)

Recommended Flow Rate Conditions

20¨   : Up to   40 m³ / hr
40¨   : Up to   80 m³ / hr
60¨   : Up to   80 m³ / hr
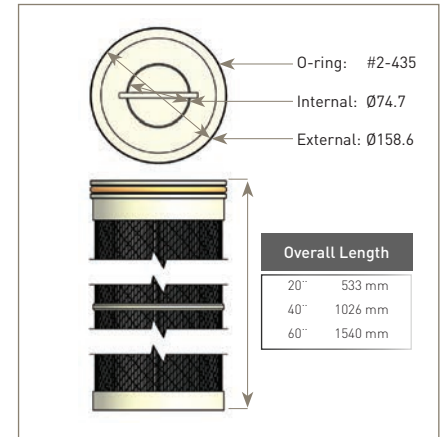
Recommended Change Out Pressure

2.41 bar (32 psi)

Retention Ratings (99.98%)

1, 3, 4.5, 10, 20, 40 and 90** µm

Maximum Differential Pressure

4.8 bar (70 psi) @ 25 °C (77 °F)
2.1 bar (30 psi) @ 80 °C (176 °F)

Dimensions (Nominal)

O-ring:	#2-435
Internal:	Ø74.7
External:	Ø158.6

Overall Length	
20¨	533 mm
40¨	1026 mm
60¨	1540 mm

Manufacturing Traceability

Each filter cartridge displays the product name, product code and lot number. Additionally, each module displays a unique serial number providing full manufacturing traceability.

Ordering information

Code	Material		Code	Micron		Code	Length (Nominal)		Code	Seal Material		Code	End Cap Configuration
RCP	Polypropylene		010	1.0µm		20	20¨ (508 mm)		E	EPDM		PP	435 o-ring / closed
			030	3.0µm		40	40¨ (1016 mm)		S	Silicone			
			045	4.5µm		60	60¨ (1524 mm)						
			100	10.0µm									
			200	20.0µm									
			400	40.0µm									
			900	90.0µm									

HSP
HOUSING RANGE
AVAILABLE