

MegaBond Absolute Filter Cartridges

Melt blown cartridge for high dirt-holding capacity and absolute-rated filtration efficiency

Parker's MegaBond Absolute (MBA) are absolute-rated melt blown cartridges. Using a new innovative manufacturing process, the MBA has higher dirt-holding capacities offering long service life without contaminant migration. The MBA has a fixed core inner structure of thermally bonded continuous microfine polypropylene fibers. The modified outer layer fixed pore structure maximizes the graded density surface area to enhance dirt-holding capacity.

Available in absolute ratings of 0.5, 1, 3, 5, 10, 20, 30, 50, 75 & 100 micron.

Benefits

- Microfine, thermally bonded fiber construction with polypropylene core provides superior filtration & eliminates need for circulation to achieve product clarity
- Non-fiber-releasing, continuous fiber matrix prevents media migration & ensures consistent production yields and overall quality filtration performance

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- No surfactants or binders to interrupt product quality or cause foaming
- DOE cartridges have polyolefin gaskets thermally bonded to both ends eliminating fluid bypass between the cartridge & vessel seal
- Superior inter-layer bonding eliminates contaminant unloading and channeling
- Unique outer graded density structure increases dirt-holding capacity
- Polypropylene fiber provides broad chemical compatibility for a variety of applications
- FDA grade polypropylene (DOE only) designed to conform to ANSI/NSF61 standards
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Pore size differentiation is achieved using fibers of differing diameters and maintaining uniform density throughout the cartridge

- Pore sizes do not change as DP increases during service, providing consistent particle retention
- ISO 9001 registered company
- Fits a majority of Parker and competitor manufactured housings

Applications

- Photographics
- High Technology Coatings
- DI Water
- Plating Solutions
- Chemical Processing
- Membrane Prefiltration
- Food & Beverage

ENGINEERING YOUR SUCCESS.

MegaBond™ Absolute Filter Cartridges

SPECIFICATIONS

Materials of Construction

Polypropylene:

Microfiber 100% melt blown construction

Center Support Core/End Caps:

Natural polypropylene

Thermally Bonded Gaskets:

Polyolefin closed cell foam (DOE only)

Maximum Recommended Operating Conditions

Temperature:

@ 50psid (4.1bar): Ambient

@ 25psid (2.4bar): 140°F (71°C)

@ 15psid (1.0bar): 200°F (93°C)

Flow Rate:

5 gpm (18.9 lpm) per 10 inch length

Recommended Maximum

Change Out ΔP: 35psi (2.4bar)

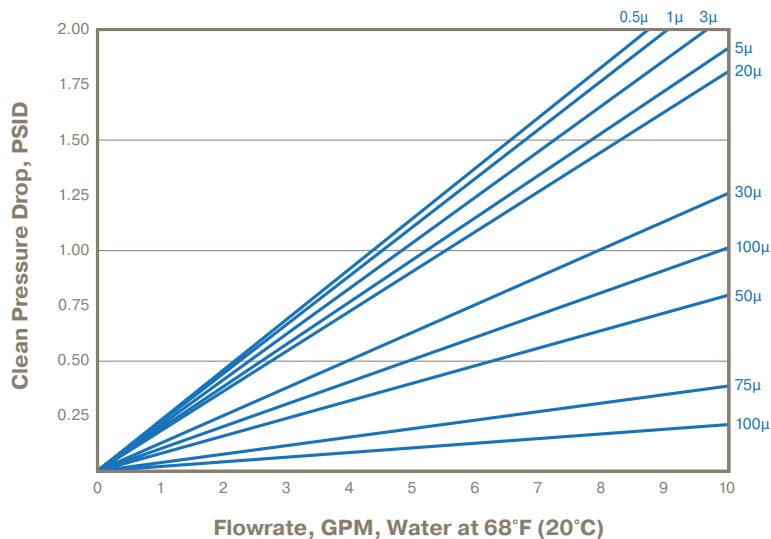
Maximum Operating Temp.: 167°F (75°C)

Dimensions

1.1 in ID x 2.5 in OD 10, 20, 30 and 40 in continuous nominal lengths

Absolute Filtration Ratings (µm)

0.5, 1, 3, 5, 10, 20, 30, 50, 75 and 100



Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipose.

Ordering Information

Cartridge Code		Micron Rating	Nominal Length		End Cap Configuration				Seal Material	
Code	Description		Code	Inches	Code	Description	Code	Description	Code	Material
MBA	MegaBond Absolute	0.5			None	DOE (w/o gaskets)	TC	222 O-ring/Flat	None	No Seal Material (Std. DOE)
		1	9-4	9¾	DO	DOE	TF	222 O-ring/Fin	E	EPR
		3	10	10	SC	226 O-ring/Flat	TX	222 O-ring/Flex Fin	N	Buna-N
		5	19-4	19½	SF	226 O-ring/Fin	XA	DOE w/Extended Core	S	Silicone
		10	20	20	OB	Std. open end/polypro spring closed end	XB	Ext. core open end/polypro spring closed end	T	PFA Encapsulated Viton® (222, 226 O-ring only)
		20	29-4	29¾					V	Viton®
		30	30	30					W	Poly Foam Gaskets w/o End Caps (DO only)
		50	39-4	39						
		75	40	40						
		100								

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

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