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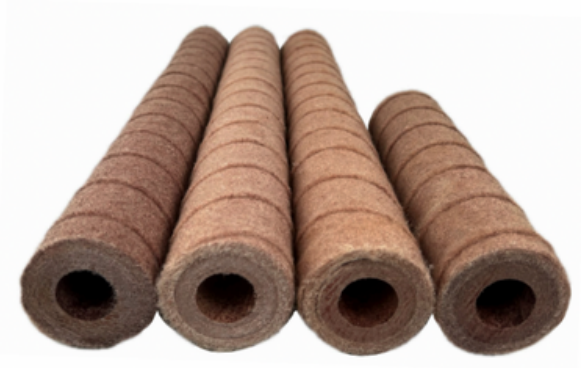
Take control of your filtration process.

E-RBD Series

Resin-Bonded Microfiber Graded Density Filter Cartridges

E-RBD series resin-bonded microfiber cartridges have a true graded density matrix to provide effective particulate filtration for a wide range of industrial fluids. The dual-zone construction features a rigid inner core overlaid with a spiral-wrapped prefilter zone. The result is a cartridge of high strength, high particulate capacity, and long service life. Available in a range of nominal ratings.



Features

- Graded density for high particulate capacity
- Dual-zones for strength & effective filtration performance
- Multiple nominal ratings offered for targeted retention efficiency

Applications

- Oil, gas, & petrochemical fluids
- Paints, inks, coatings, & adhesives
- Emulsions, plasticizers, & waxes
- Not for use with potable water or food products

Product Quality

- Manufactured within an ISO 9001:2015 certified quality management system
- Certificate of Quality available upon request for each product lot.

Materials of Construction

Media	Acrylic & polyester microfiber
Binder	Phenolic resin

Dimensions

Diameter	2.5"
Lengths	9.75", 10", 19.5", 20", 29.25", 30", 40"

Operating Conditions

Operating Temperature:	250°F (120°C) max.
Operating dP (max.)	8.3 bar (120 psi) @ 27°C (80°F) 4.1 bar (60 psi) @ 83°C (180°F)
Change-Out dP:	3.5 bar (50 psi) maximum

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Clean Pressure Drop

Flow Rate			
2 gpm	4 gpm	6 gpm	8 gpm
7.6 lpm	15.1 lpm	22.7 lpm	30.3 lpm

Rating	Differential Pressure (psid)			
5 µm	0.13	0.25	0.38	0.50
25 µm	0.05	0.10	0.15	0.20
50 µm	0.04	0.08	0.11	0.15
75 µm	0.03	0.05	0.08	0.10
100 µm	0.02	0.04	0.06	0.08
150 µm	0.01	0.03	0.04	0.05

Pressure drop values are based on a 10" length cartridge. For other cartridge lengths, the flow rate increases proportionally for a given pressure drop

Ordering Information

E-RBD — □□□□ — □□ — □

Removal Rating	Length	Option
0500 = 5 µm	98 = 9.75"	CX = PP Core Extender
2500 = 25 µm	10 = 10"	
5000 = 50 µm	19 = 19.5"	
7500 = 75 µm	20 = 20"	
100U = 100 µm	29 = 29.25"	
150U = 150 µm	30 = 30"	
	39 = 39"	
	40 = 40"