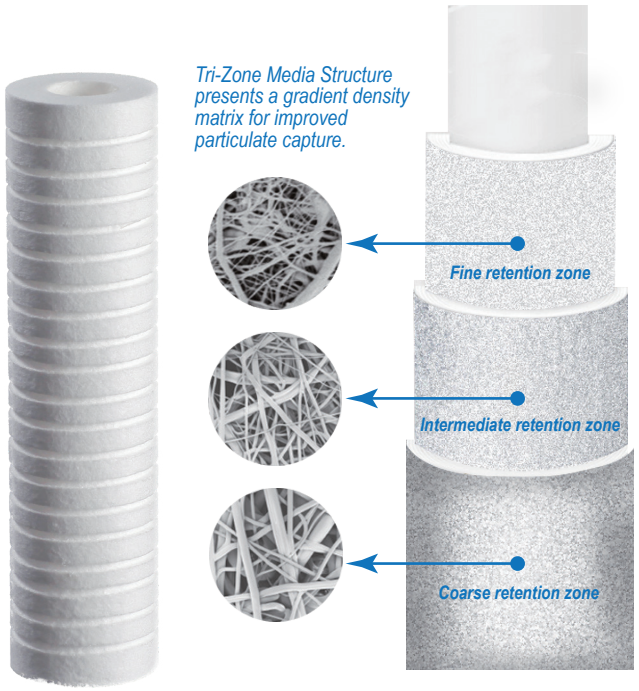
E-MBPP-DG Series

Melt-Blown Polypropylene Microfiber
Graded Density Filter Cartridges - Deep Groove

The E-MBPP-DG series melt-blown polypropylene (PP) microfiber graded density cartridges provide economical performance for micronic retention of particulate in high-purity fluid filtration applications. Deep grooved OD greatly expands the external filtering surface. Precision manufacturing provides consistent product quality and performance. Design rated for efficiency of up to 80%.

Available in all common ratings and adaptation styles. Polypropylene's inherent inertness provides excellent resistance to chemicals.



Features

- Durable and inert polypropylene media & end adaptations
- Controlled porosity delivers fine retention & capacity
- Component materials comply with US FDA and EU regulations for safe use with food products and potable water
- No glues, resins, or chemical additives used
- End adaptations are thermally bonded for strength and integrity

Applications

- Food products & ingredients; bottled water
- RO prefiltration
- Process water; wastewater
- Fine chemicals

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:	Polypropylene
End Caps:	Polypropylene
Seals Options:	Silicone, EPDM , NBR, FKM, E-FKM

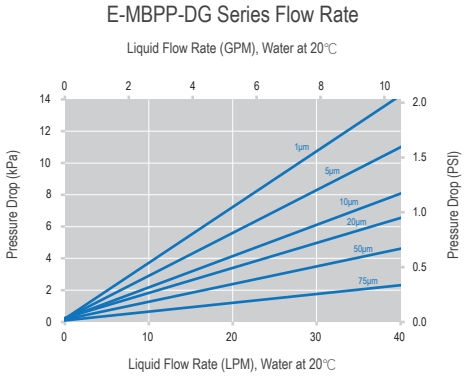
Dimensions

Diameter:	64mm (2.5"), 115mm (4.5")
Lengths:	5", 10", 20", 30", 40"

Operating Conditions

Operating Temperature:	60°C (140°F) max.
Operating dP (max.):	3.5 bar (50 psi) @ 20°C (68°F)
	1.2 bar (18 psi) @ 60°C (140°F)
Change-Out dP:	2.6 bar (38 psi) @ 20°C (68°F)

Clean Pressure Drop



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

E-MBPP cartridges are available with thermally-bonded adapters to fit industry-standard housings.



Ordering Information

example: E-MBPP-□□-DG — □□□□ — □□ — □□□ — □

OD	Removal Rating	Length	End Cap Type	Seal Material
(blank) = 2.5"	0100 = 1µm	05 = 5"	(blank) = DOE with no end cap	(blank) = none
BB = 4.5"	0500 = 5µm	10 = 10"	DOE = DOE with end cap	S = Silicone
	1000 = 10µm	20 = 20"	2FL = 222/Flat	E = EPDM
	2000 = 20µm	30 = 30"	6FL = 226/Flat	B = NBR
	5000 = 50µm	40 = 40"	6FN = 226/Fin	V = FKM
	7500 = 75µm		2FN = 222/Fin	F = E-FKM

Note: Additional end cap options may be available, if required. Please inquire.

DISCLAIMER: The filtration data presented is representative of performance characterized in a laboratory setting. The data is not offered as a warranty, specification, or statement of fitness for a specific application. Performance can vary greatly depending on the fluid, contaminants present, flow conditions, and operating environment. Users are advised to conduct comprehensive qualification testing to substantiate that the product performs as required.

See the applicable Product Performance & Operating Guide for additional information on the function and capabilities of the product.