

FACT SHEET

aspire® EPII Melt Blown Cartridges

For Critical Process Applications

aspire® EPII High Performance Melt Blown Series filter cartridges deliver high efficiency particle removal and consistent filtration of fluids in a wide range of applications. The proprietary dual zone melt blowing process used to manufacture the filter cartridge optimizes the filtration properties of the element while maintaining very robust mechanical properties. The result is a filter with exceptional service life that can be employed in the most demanding applications.

The 100% polypropylene construction provides excellent chemical resistance to bases, acids, salts and many organic solvents in a broad range of processes. All components used are FDA listed materials of construction assuring they are safe for food and beverage contact. aspire® High Performance Melt Blown Series filter cartridges are available in a wide range of configurations to fit most commercially available filter housings.



Benefits

- Precision engineered filter cartridge constructed of micro-denier melt blown fibers provides superior particle retention and long on-stream life.
- Dual zone graded density filtration media enhances contaminant holding capacity resulting in improved filtration performance.
- High strength polypropylene center core allows for maximum service life, up to 35 psid before change out.
- 100% polypropylene materials of construction provide wide chemical compatibility in most applications with no leachables or extractables.
- Highly automated manufacturing process assures consistent filter performance and repeatable results over time.
- All materials are FDA listed for food and beverage contact, are NSF tested and certified, and meet USP- Class VI criteria for plastics.

Applications

- Process Water
- RO Pre-Pretreatment
- Food and Beverage Processing
- High Purity Chemicals
- Municipal & Potable Water Systems
- Metal Finishing / Plating Solutions
- Cooling Water
- Pulp and Paper Water Applications
- Paints and Coatings

Performance Specifications

Retention Ratings	1, 3, 5, 10, 20, 30, 50, 75, 100 µm
Maximum Forward Differential Pressure	15 psid (1 bar) @ 180° F (82° C) 30 psid (2 bar) @ 150° F (66° C) 60 psid (4 bar) @ 75° F (24° C)
Recommended Change-out Pressure	35 psid (2.6 bar)
Biosafety	All components meet FDA requirements All components meet the requirements of USP Biological Test for Plastics Class VI-121* All products NSF tested and certified

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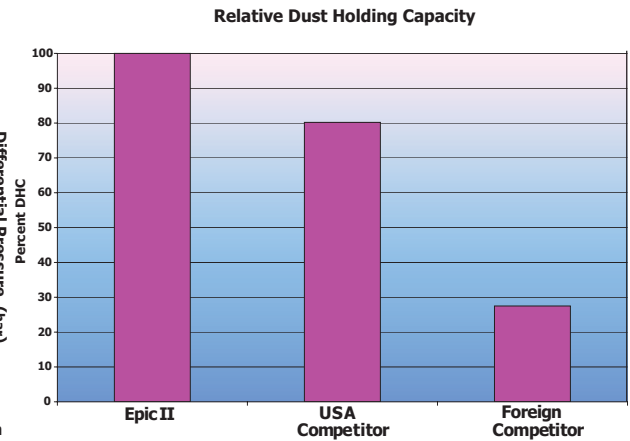
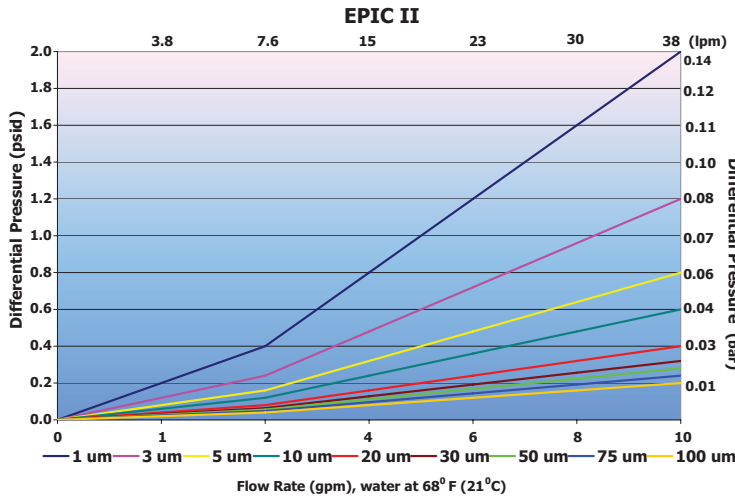
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Materials of Construction

Outside Diameter (nominal)	2.5" (6.4 cm)
Inside Diameter (nominal)	1.08" (2.7 cm)
Lengths (nominal)	10", 20", 30", 40" (25.4, 50.8, 76.2, 102 cm)
Media	Micro-denier polypropylene fibers
Center Core (standard)	Polypropylene
End Caps (optional)	Polypropylene
Gasket/O-Rings	Silicone, Buna-N, EPDM, Viton®, Polyethylene**

Flow Rate vs. Differential Pressure



Ordering Information

Part Number	Retention Rating	Nominal Length (inches)	Center Core	Cartridge Configuration	Gasket or O-Ring
EPII	5-*	30		F	S
	1 μm	9.75	No Symbol =	No Symbol = DOE	S = Silicone
	3 μm	9.87	Polypropylene	G = DOE with Polypropylene	V = Viton
	5 μm	10		D = DOE with Gaskets	B = Buna-N
	10 μm	19.5		X = DOE with 1" Extended Core	E = EPDM
	20 μm	19.75		F = 222 O-Ring/Flat	
	30 μm	20		S = 222 O-Ring/Spear	
	50 μm	29		F7 = 226 O-Ring/Flat	
	75 μm	29.25		S7 = 222 O-Ring/Spear	
	100 μm	30		K = Self Sealing Spring - Poly	
		39		R = Self Sealing Spring - SS	
		39.5			
		40			

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