



Pentaflex™ Series

Absolute* PES Membrane FILTER CARTRIDGES

Pentaflex™ PES Membrane Cartridges are available for general purpose filtration and for the specialized needs of the food and beverage, electronics and high-purity chemical industries.

APPLICATIONS

- Chemicals
- Deionized Water Systems
- Electronics
- Food and Beverage
- General Use Water
- Industrial
- Post-filter for RP Systems

CARTRIDGE OPERATION

The Pentaflex™ Absolute*-rated PES Membrane Cartridges combine polypropylene with polyethersulfone for electronics, food and beverage, and general purpose applications. The endcaps, center cores and outer support cages are constructed of polypropylene for increased durability.

Sanitation/sterilization is performed on all cartridges according to membrane/application using one or more of the following methods: filtered hot water, autoclave, in-line steam, and industry standard chemicals.

FEATURES

- Polypropylene center core and outer support cage for increased durability
- Sanitation/sterilization processes that meet industry requirements
- Long cartridge life
- Highly asymmetric PES membrane for full particle retention
- 0.1 to 0.8 Absolute* micron ratings
- Pentaflex cartridges are available in 10-, 20-, 30- and 40-inch lengths with a nominal outside diameter of 2.75-inch
- High flow rates
- Cartridge modules are individually tested

*Custom housings are available for these cartridges.
Contact our technical support team for more details.*

SPECIFICATIONS

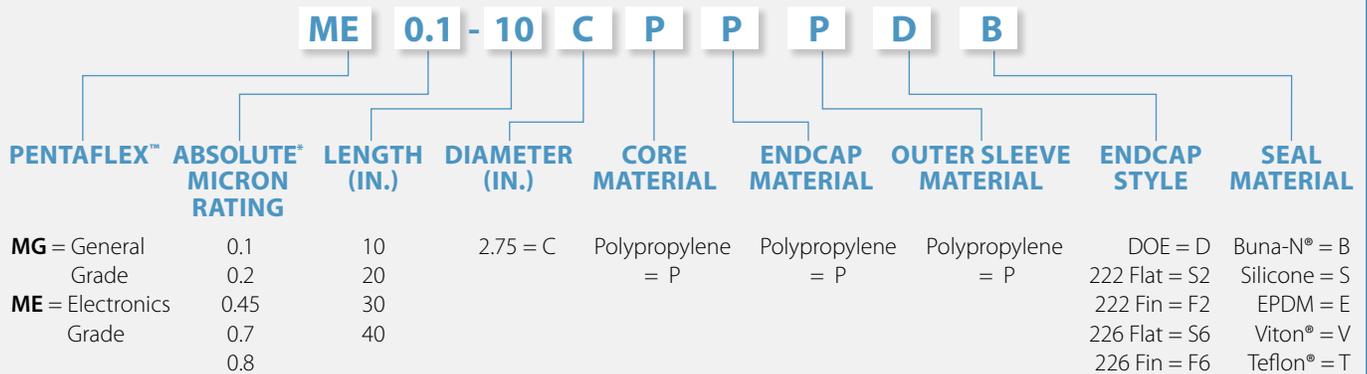
Component	Material/Value
Fiber Media	Polypropyl/Polyethersulfone
Maximum Temperature Rating	176 °F
Maximum Differential Pressure	50 PSID (forward) 40 PSID (reverse)

*Absolute defined as $B_v > 5,000$
(99.98% efficiency at stated micron size)

Pentaflex™ Series

ORDERING INFORMATION

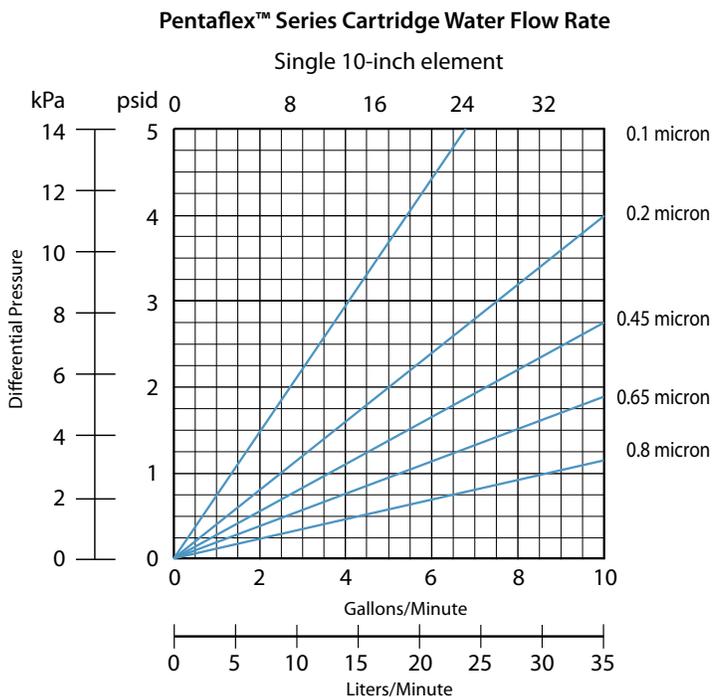
Custom configurations available; please contact Customer Service.



DIMENSIONS AND CONSTRUCTION

Pentaflex™ Series PES Membrane			
Media Grade	MG	MF	ME
Diameter (Inches)	2.75	2.75	2.75
Length (Inches)	10	•	•
	20	•	•
	30	•	•
	40	•	•
Center Core Material	P	P	P
Endcap Material	P	P	P
Cage Material	P	P	P
Endcap Style	D	•	•
	S2	•	•
	F2	•	•
	S6	•	•
	F6	•	•
Seal	B	•	•
	S	•	•
	E	•	•
	V	•	•
	T	•	•

TEST DATA



Flow rate is per single 10-inch element. For other liquids, multiply the ΔP by the fluid's viscosity in centipoise. For longer cartridges, divide the ΔP by the number of 10-inch equivalents.

Cartridge Availability Key					
B	Buna-N®	S6	226 Flat	T	Teflon®
D	DOE	F6	226 Fin	V	Viton®
E	EPDM	MG	General	P	Polypropylene
S2	222 Flat	ME	Electronics		
F2	222 Fin	S	Silicone		



502 Indiana Avenue, Sheboygan, WI 53082-1047
800.869.0325 574.278.7161 FAX 574.278.7115
support@pentairindustrial.com www.pentairindustrial.com