E-PP Series

Polypropylene Pleated Depth Media Filter Cartridges

E-PP series polypropylene (PP) pleated depth media cartridges provide efficient micronic and submicronic retention of particulate in high-purity fluid filtration applications. Available in a wide range of design retention efficiency ratings. They offer fine flow permeability and a high contaminant capacity with superior chemical resistance. Component materials comply with US FDA and EU regulations for safe use with food products and potable water.

Retention Level Options

Select from four levels of design efficiency to deliver the desired balance between retention, service life, and economy.

- Absolute+ / 99.98% for maximized retention
- Absolute / 95% to 99%
- Nominal / 80%
- Water Grade / 60% for maximized life and economy

Features

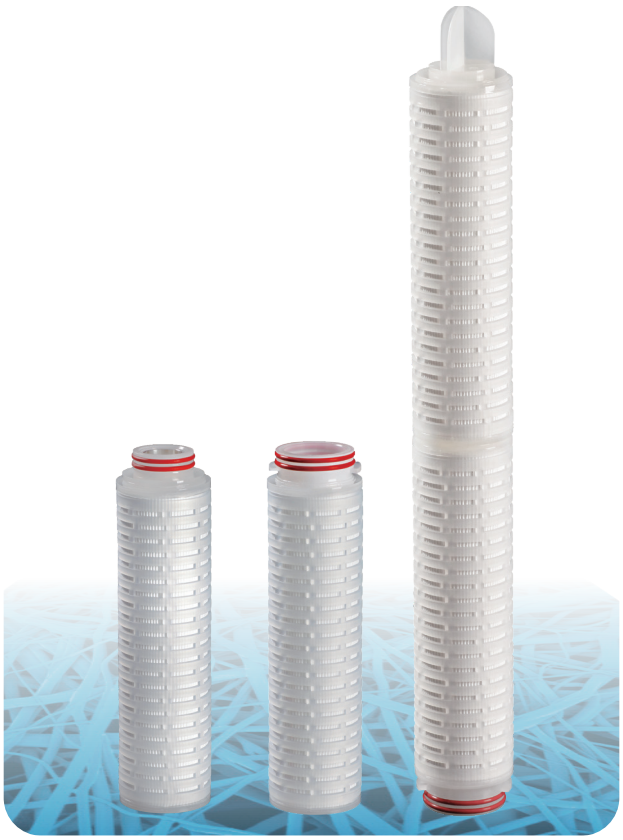
- Durable and inert polypropylene media & components
- Fine porosity delivers excellent retention
- Superior fluid compatibility
- Thermally-bonded construction for cartridge integrity

Applications

- Beer, wine, distilled spirits, bottled water
- Food products & ingredients
- RO prefiltration
- Process water; wastewater
- Fine chemicals

Product Quality

- Clean room manufacturing environment supports product purity.
- Manufactured within an ISO 9001:2015 certified quality management system.
- Halal certified.
- Each filter element is inspected for compliance with requirements for manufactured cartridge integrity.
- Plastic components meet Biological Reactivity Test requirements of USP <88> for Plastics Class VI-121°C.



Materials of Construction

Media:	Polypropylene
Support Layers:	Polypropylene
Cage/Core/End Caps:	Polypropylene
Adapter Reinforcement:	Polysulfone or Stainless Steel
Seal Options:	Silicone, NBR, EPDM, FKM, E-FKM

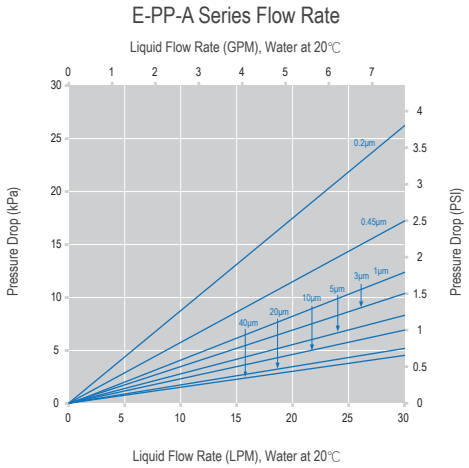
Dimensions

Diameter:	69mm (2.72")
Lengths:	10", 20", 30", 40"

Operating Conditions

Operating Temperature:	80°C (176°F) max.
Operating dP (max.):	4 bar (58 psi) @ 20°C (68°F)
	2 bar (29 psi) @ 80°C (176°F)
Change-Out dP:	2.6 bar (38 psi) @ 20°C (68°F)

Clean Pressure Drop



Flow rate versus dP values are shown for 10" length versions of "A" rated products. Approximations for other grades are:

"AA" rated products will have 20%-40% higher dP for a given flow rate.

"N" and "W" grades will have 20%-40% lower dP for a given flow rate.

For cartridges of lengths other than 10", the flow rate at a given dP will increase proportionally to the length.

Ordering Information

E-PP — □ — □□□□ — □□ — □□□□ — □ — □□

Grade	Removal Rating	Length	End Cap Type	Seal Material	Options
AA = Absolute +	0020 = 0.2µm	10 = 10"	DOE = DOE	S = Silicone	SS = Stainless Core
A = Absolute	0045 = 0.45µm	20 = 20"	2FL = 222/Flat	E = EPDM	
N = Nominal	0065 = 0.65µm	30 = 30"	2FN = 222/Fin	B = NBR	
W = Water Grade	0100 = 1µm	40 = 40"	2RFL = 222(SS)/Flat	V = FKM	
	0300 = 3µm		2RFN = 222(SS)/Fin	F = E-FKM	
	0500 = 5µm		3FL = 213/Flat		
	1000 = 10µm		6FL = 226/Flat		
	2000 = 20µm		6FN = 226/Fin		
	4000 = 40µm		6RFL = 226(PSU)/Flat		
			6RFN = 226(PSU)/Fin		

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

LEAD FREE
NSF/ANSI/CAN 61

Certified to NSF/ANSI/CAN-61 for materials safety requirements only, for cold water applications (23°C).

Certification does not include "F" or "V" seal options.