

EPPX NANOFIBER FILTER CARTRIDGES

ELECTRONIC GRADE, LOW EXTRACTABLE, POLYPROPYLENE NANOFIBER FILTERS

EPPX Filter Cartridges are constructed of electronic grade PP (polypropylene) nanofiber to provide efficient effective pre-filtration of process cooling water and pure chemicals and solvents.

FEATURE	BENEFIT
Highly porous nanofiber media	Provides high flow rates, longer service life, in cost-effective device
High-purity PP heated and melted without using adhesives	Low extractables Fast recovery to resistivity baseline
All-polypropylene construction	Excellent chemical compatibility with most acids, bases, and solvents.
Removal ratings from 0.1 µm to 25 µm	Meets a wide range of requirements and specifications
Quality Assurance	Manufactured in a facility which adheres to ISO 9001 practices.

SPECIFICATIONS

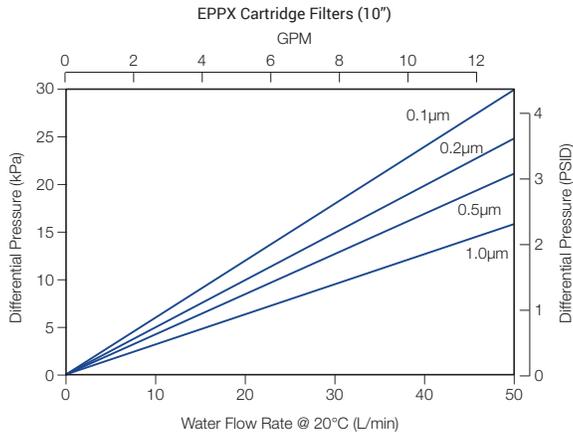
Filter media	Polypropylene (PP) (Nanofiber)
Cage/Core/End Caps	Polypropylene
O-rings	Silicone, EPDM, FKM, FEP-encapsulated FKM
Effective filtration area	0.1 - 0.5 µm: 0.61m ² (6.6 ft ²)/ 10 inch 10 - 25 µm: 0.64m ² (7.0 ft ²)/ 10 inch
Max. Operating temperature	80°C
Max. Differential pressure	0.40 MPa (4.0 bar, 58 psi) at 21°C 0.24 MPa (2.4 bar, 35 psi) at 80°C



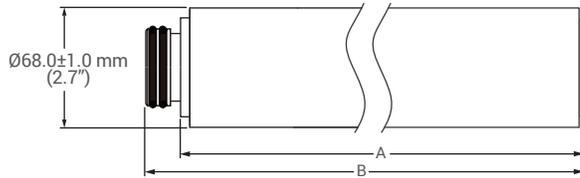
Typical Applications

- Pre-filtration of Process Cooling Water
- Pre-filtration of Acids, Bases, and Organic Solvents

FLOW RATES

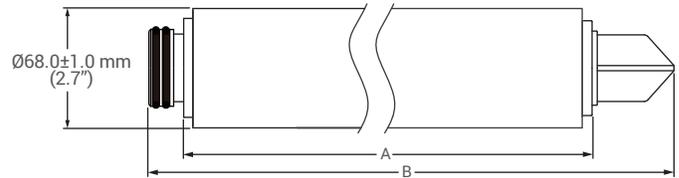


EPPX CARTRIDGE FILTERS (2-222/FLAT)



Length Code	A	B
04		
10	247.0 ±2 mm (9.2")	266.5 ±2 mm (10.5")
20	489.5 ±3 mm (19.3")	509.0 ±3 mm (20.0")
30	731.5 ±3 mm (28.8")	751.0 ±3 mm (29.6")
40	974.0 ±3 mm (39.3")	993.5 ±3 mm (39.1")

EPPX CARTRIDGE FILTERS (2-222/FIN)



Length Code	A	B
04		
10	249.5 ±2 mm (9.8")	316.5 ±2 mm (12.4")
20	491.5 ±3 mm (19.4")	558.5 ±3 mm (22.0")
30	734.0 ±2 mm (28.9")	801.0 ±2 mm (31.5")
40	976.0 ±3 mm (38.4")	1043.0 ±3 mm (41.1")

ORDERING INFORMATION

EXAMPLE: **EPPX0010TC10P** = 0.1 µm, 222/flat, 10" length, FEP encapsulated FKM O-rings

EPPX



Removal Rating

0010 = 0.1 µm
 0020 = 0.2 µm
 0030 = 0.3 µm
 0050 = 0.5 µm
 0100 = 1.0 µm
 0250 = 2.5 µm
 0500 = 5 µm
 1000 = 10 µm
 1500 = 15 µm
 2500 = 25 µm



Connection

DOE = Double Open End, flat gasket
 TC = 222 O-ring/Flat
 TF = 222 O-ring/Fin



Nominal Length

05 = 5"
 10 = 10"
 20 = 20"
 30 = 30"
 40 = 40"



Seal Material

S = Silicone
 E = EPDM
 V = FKM
 P = E-FKM (FEP/PFA encapsulated FKM)



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