JX Series

FACT SHEET

Industrial microfiltration elements for stream clarification

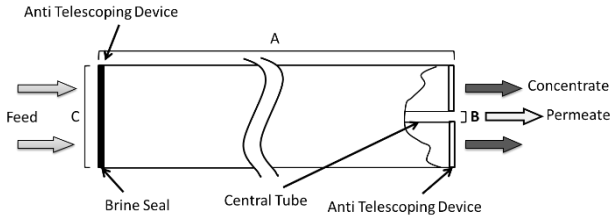
The J-Series family of microfiltration membrane elements is used for process stream clarification, including suspended solids removal.

The J-Series membrane is manufactured with a pore-size of 0.3 micron.

Table 1: Element Specification

Membrane	J-Series, Polyvinylidene Fluoride

Model	Spacer mil (mm)	Active area ft^2 (m^2)	Outer wrap	Part number
JX2540F30	30 (0.76)	28 (2.6)	Fiberglass	1207253
JX2540F50	50 (1.27)	22 (2.0)	Fiberglass	1207252
JX4040C30	30 (0.76)	82 (7.6)	Cage	1207264
JX4040F30	30 (0.76)	79 (7.3)	Fiberglass	3049975
JX4040F50	50 (1.27)	62 (5.8)	Fiberglass	3049974
JX8040F30	30 (0.76)	340 (31.6)	Fiberglass	1207283
JX8040F50	50 (1.27)	269 (25.0)	Fiberglass	1207284



Note: 4040C elements do not feature brine seal

Figure 1: Element Dimensions Diagram – Female

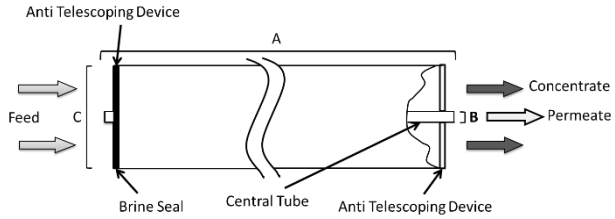


Figure 2: Element Dimensions Diagram – Male

Table 2: Dimensions and Weight

Model	Type	Dimensions, inches (cm)			Boxed Weight lbs (kg)
		A	B	C	
JX2540F**	Male	40.0 (101.6)	0.75 1.90	2.4 (6.1)	4 (1.8)
JX4040C**	Female	40.0 (101.6) (1)	0.625 (1.59)	3.9 (9.9)	9 (4.1)
JX4040F**	Male	40.0 (101.6)	0.75 (1.90)	3.9 (9.9)	9 (4.1)
JX8040F**	Female	40.0 (101.6)	1.125 (2.86)	7.9 (20.1)	29 (13.2)

(1) Includes interconnector, refer to Technical Bulletin TB1206.

Table 3: Operating and CIP parameters

Typical Operating Flux	5-20 GFD (8-34 LMH)
Maximum Operating Pressure	100psi (700 kPa)
Maximum Temperature	Continuous Operation: 122°F (50°C) Clean-In-Place (CIP): 122°F (50°C)
pH Range	Continuous Operation: 2.0-10.0 Clean-In-Place (CIP): 1.0-13.0 (1)
Maximum Pressure Drop	Over an element: 15 psi (103 kPa) Per housing: 60 psi (414 kPa)
Chlorine Tolerance	5,000+ ppm-days

(1) Refer to Cleaning Guidelines Technical Bulletin TB1194.

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