

JW Series

Industrial Ultrafiltration Elements – PVDF 20,000 MWCO

The JW-Series family of ultrafiltration membrane elements is used for process stream purification including clarification and removal of large organic molecules.

The JW-Series membrane is characterized by an approximate molecular weight cut-off of 20K-50K daltons.

Table 1: Element Specification

Membrane	J-Series, Polyvinylidene Fluoride			
Model	Spacer mil (mm)	Active mrea ft ² (m ²)	Outer wrap	Part number
JW2540C-50P	30 (0.76)	27 (2.5)	Cage	1231008
JW2540F-50P	50 (1.27)	19 (1.8)	Fiberglass	1232680
JW4040C-50P	30 (0.76)	73 (6.8)	Cage	1229302
JW4040F1052, Stinger	30 (0.76)	91 (8.5)	Fiberglass	3050004
JW6338C-30D	50 (1.27)	62 (5.8)	Cage	3003332
JW8040F-34D	30 (0.76)	366 (34.0)	Fiberglass	1232946

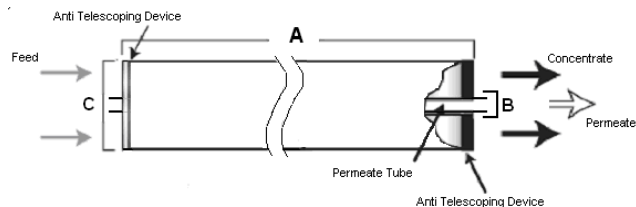


Figure 1: Element Dimensions Diagram – 2540 Male, Stinger

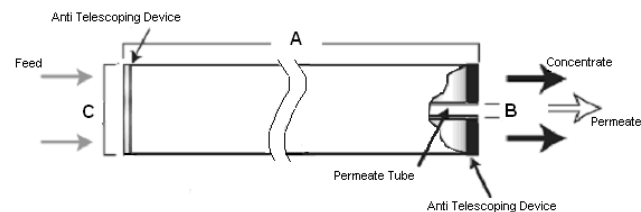


Figure 2: Element Dimensions Diagram – Female (4040 and 8040)

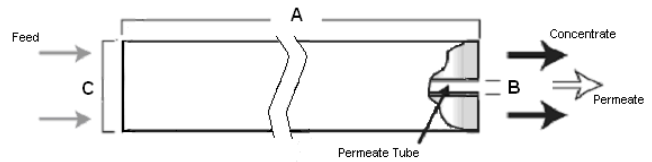


Figure 3: Element Dimensions Diagram – 6338

Table 2: Dimensions and Weight

Model ¹	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B ²	C ³	
JW2540C-50P	40.0 (101.6)	0.75 (1.9) OD	2.4 (6.1)	4 (1.8)
JW2540F-50P	40.0 (101.6)	0.75 (1.9) OD	2.4 (6.1)	4 (1.8)
JW4040C-50P	40.0 (101.6)	0.625 (1.59)	3.9 (9.9)	9 (4.1)
JW4040F1052, Stinger	40.0 (101.6)	0.75 (1.9) OD	3.9 (9.9)	9 (4.1)
JW6338C-30D	38.00 (96.5)	1.138 (2.89)	6.34 (16.1)	18 (8.2)
JW8040F-34D	40.0 (101.6)	1.125 (2.86)	7.9 (20.0)	29 (13.2)

¹ These elements are bagged dry before shipping.

² Internal diameter unless specified OD (outside diameter).

³ The element diameter (dimension C) is designed for optimum performance in GE pressure vessels. Other pressure vessel dimension and tolerance may result in excessive bypass and loss of capacity.

Table 3: Operating and CIP parameters

Typical Operating Flux	5-20 GFD (8-34 LMH)
Typical Operating Pressure	80-135 psi (555 – 931 kPa)
Maximum Operating Pressure	100psi (700kPa)
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): 1.0-11.5
Maxime Pressure Drop	Over an element: 15psi (103kPa) Per housing: 60psi (414kPa)
Chlorine Tolerance	5,000+ ppm-days