

PT Series

Industrial Ultrafiltration Elements – PES 5,000 MWCO

The PT family of polyethersulfone ultrafiltration membrane elements is characterized by a 5,000 molecular weight cut-off.

Table 1: Element Specification

Membrane	P-Series, Polyethersulfone
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Model	Spacer mil (mm)	Active area ft ² (m ²)	Outer wrap	Part number
PT4040C2016	30 (0.76)	89 (8.3)	Cage	1226592
PT8040F2068	30 (0.76)	350 (32.5)	Fiberglass	1229772

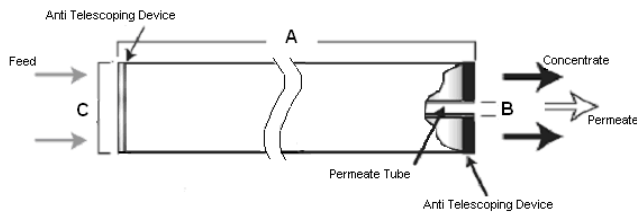


Figure 1: Element Dimensions Diagram (Female)

Table 2: Dimensions and Weight

Model ¹	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B ²	C ³	
PT4040C2016	40.0 (101.6)	0.625 (1.59)	3.9 (9.9)	9 (4.1)
PT8040F2068	40.0 (101.6)	1.125 (2.86)	7.9 (20.1)	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 Water & Process Technologies 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)
Maximum Operating Pressure	200psi (1,379kPa)
Maximum Temperature	Continuous Operation: 122°F (50°C) Clean-In-Place (CIP): 122°C (50°C)
pH range	Continuous Operation: 2.0-10.0, Clean-In-Place (CIP): 1.0-11.5
Maximum Pressure Drop	Over an element: 15psi (103kPa) Per housing: 60psi (414kPa)
Chlorine Tolerance	5,000 ppm days