

# PT Series

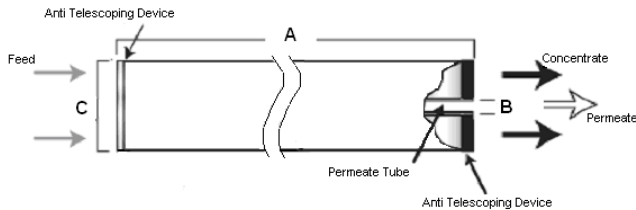
## Industrial Ultrafiltration Elements – PES 5,000 MWCO

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 <sup>2</sup> (m <sup>2</sup> )	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 <sup>1</sup>	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B <sup>2</sup>	C <sup>3</sup>	
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)

<sup>1</sup> These elements are bagged dry before shipping.

<sup>2</sup> Internal diameter unless specified OD (outside diameter).

<sup>3</sup> 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

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