

EW Series

Microfiltration – Pretreatment for RO/NF



The E-Series family consists of 0.04 um microfiltration elements utilizing polysulfone membrane.

The EW family of elements should be selected when pretreatment is in need to keep an RO or a Nanofiltration system running. EW will remove suspended solids and other known foulants.

The EW family of elements should be selected for process stream clarification including suspended solids removal.

Table 1: Element Specification

Membrane	E-Series, Polysulfone
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Model	Active Area ft ² (m ²)	Outer wrap	Part Number
EW4025T	60 (5.6)	Tape	1207063
EW4026F	60 (5.6)	Fiberglass	1207065
EW4040F	85 (7.9)	Fiberglass	1207071
EW4040T	85 (7.9)	Tape	1207074
EW8040F	370 (34.4)	Fiberglass	1207077

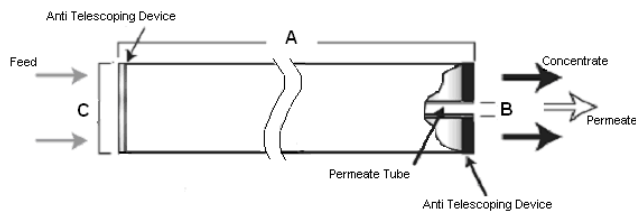


Figure 1: Element Dimensions Diagram - Female

Table 2: Dimensions and Weight

Model ¹	Dimensions, inches (cm)			Boxed Weight lbs (kg)
	A	B ²	C ³	
EW4025T	25.0 (63.5)	0.625 (1.59)	3.9 (9.9)	5 (2.3)
EW4026F	26.0 (66.7)	0.625 (1.59)	3.9 (9.9)	5 (2.3)
EW4040F	40.0 (101.6)	0.625 (1.59)	3.9 (9.9)	8 (3.5)
EW4040T	40.0 (101.6)	0.625 (1.59)	3.9 (9.9)	8 (3.5)
EW8040F	40.0 (101.6)	1.125 (2.86)	7.9 (20.1)	32 (14.5)

¹This product ships dry.

²Internal diameter unless specified OD (outside diameter).

³The 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 Pressure	30-150 psig (207 – 1,034 kPa)
Typical Operating Flux	10-30GFD (15-50LMH)
Maximum Pressure	200 psig (1,379 kPa)
Maximum Temperature	Operating: 122°F (50°C) Cleaning: 122°F (50°C)
Recommended pH	Operating Range pH: 4-11.0, Cleaning Range pH: 2.0-11.5
Recommended Pressure Drop	Over an element: 12 psig (83 kPa) Per housing: 50 psig (345 kPa)
Chlorine Tolerance	5,000+ ppm-days



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