

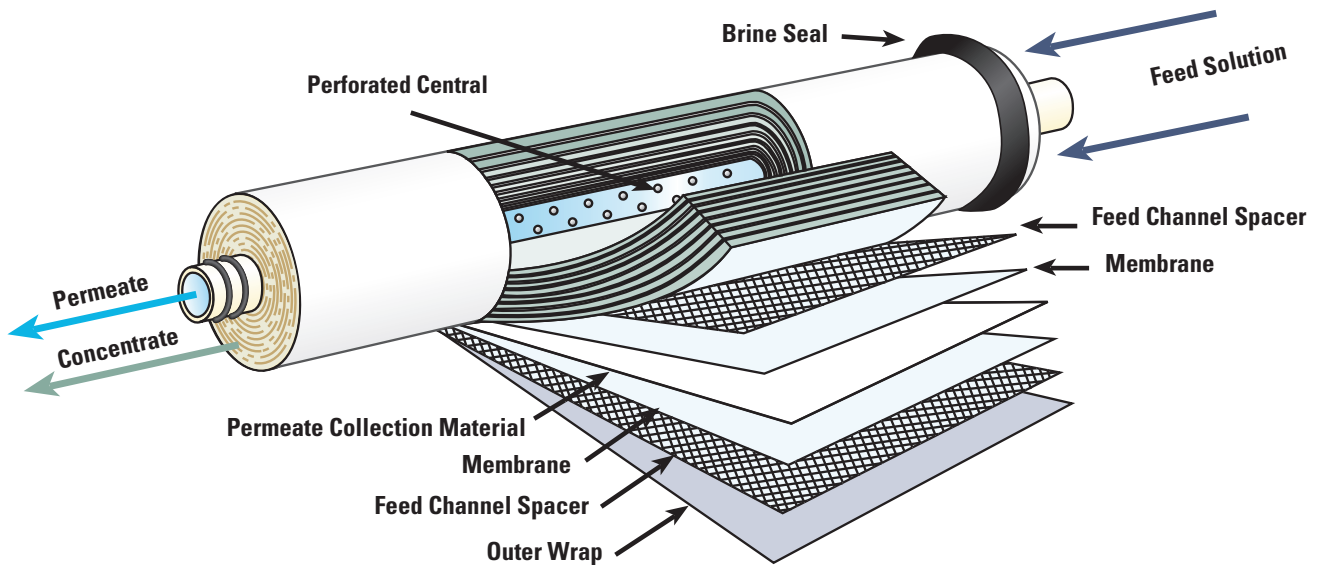
Reverse Osmosis Components

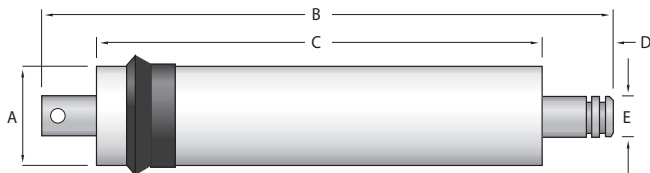
Membrane Elements of the Highest Quality

Membrane elements from GE Water & Process Technologies are the brand of choice for the most demanding applications. With over thirty years of research and development in Reverse Osmosis technology, GE membrane elements deliver outstanding performance and reliability. Expect the very best when you specify a GE brand membrane element.

How a Membrane Element Works

The spiral-wound membrane element is constructed of one or more membrane envelopes wound around a perforated central tube. The permeate water passes through the membrane into the envelope and spirals inward to the central tube.





Size Specifications (in/cm)

Model	A	B	C	D	E
CTA-10	1.83 (4.65)	11.75 (29.84)	10.35 (26.29)	0.812 (2.06)	0.678 (1.72)
CTA-16	1.83 (4.65)	11.75 (29.84)	10.35 (26.29)	0.812 (2.06)	0.678 (1.72)
TFM-18	1.50 (3.81)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)
TFM-24	1.80 (4.57)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)
TFM-36	1.80 (4.57)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)
TFM-50	1.80 (4.57)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)
TFM-75	1.80 (4.57)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)
TFM-100	1.83 (4.65)	11.75 (29.84)	10.35 (26.29)	0.812 (2.06)	0.678 (1.72)
TLC-150	1.80 (4.57)	11.75 (29.84)	10.00 (25.4)	0.875 (2.22)	0.678 (1.72)

Residential Cellulose-Acetate Membrane RO Elements

Model Number	Part Number	Average NaCl Rejection (%)	Permeate Flow* gpd @ 65 psi
CTA-10	1201330	93.0	10
CTA-16	1201332	93.0	16

*Permeate flow specifications are based on 500 mg/L NaCl solution at 65 psi (4.5 bar) inlet pressure, 77°F (25°C), 15% recovery after 24 hours. Individual element flux may vary ±15%.



Residential Thin-Film Membrane RO Elements

Model Number	Part Number	Average NaCl Rejection (%)	Permeate Flow* gpd @ 65 psi
TFM-18 ¹	1220188	98.0	18
TFM-24 ¹	1220189	98.0	24
TFM-36 ¹	1220190	98.0	36
TFM-50 ¹	1204694	98.0	50
TFM-50NT ^{2,3}	1229149	98.0	50
TFM-75 ²	1204487	96.0	75
TFM-75NT ^{2,3}	1229150	96.0	75
TFM-100 ²	1221122	96.0	100
TFM-100NT ^{2,3}	3007133	96.0	100
TFM-150	1233581	93.0	150

¹ ANSI/NSF 58 listed for performance.

² ANSI/NSF 58 listed for material safety.

³ NT elements are statistically sampled.

*Permeate flow specifications are based on 500 mg/L NaCl solution at 65 psi (4.5 bar) inlet pressure, 77°F (25°C), 15% recovery after 24 hours. Individual element flux may vary ±15%.

