

FILTRATION
COMPONENTS



Pentair Water Membrane Elements

TLC™ (Thin Layer Composite)

Pentair Water Residential Membrane Elements use an industry leading state-of-the-art TLC (Thin Layer Composite) membrane providing high quality water for a broad range of water chemistries. Each membrane is required to meet our factory's strict performance requirements prior to shipment.

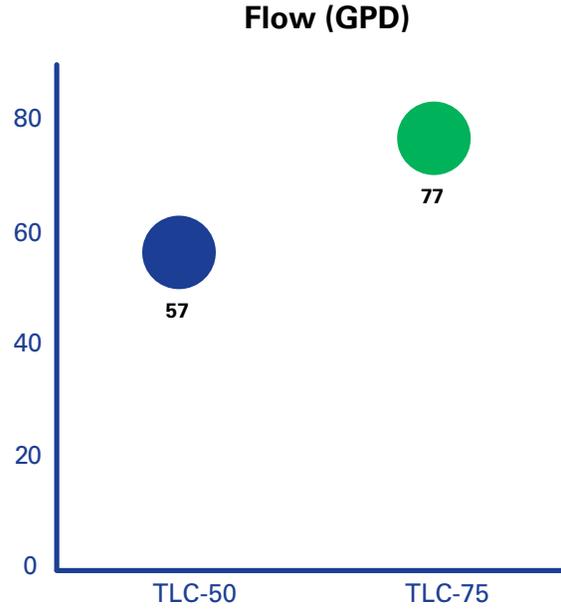
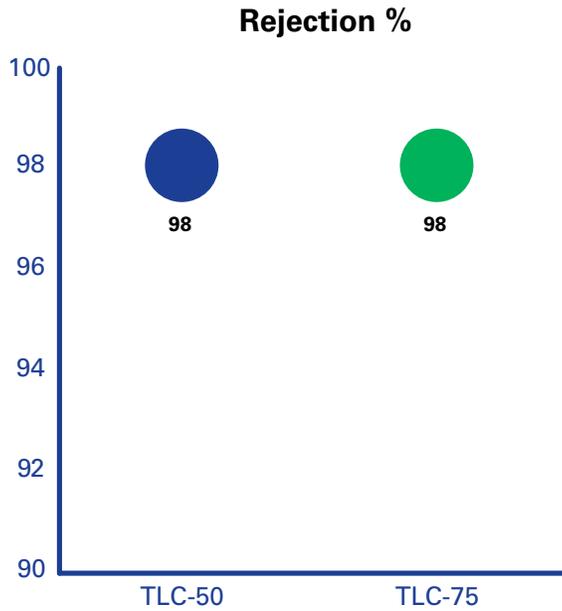
Product Features

- TLC Thin Layer Composite membrane
- 100% dry membrane maximizing shelf life
- High rejection stability at high input TDS
- Standard dimensions to fit in commonly available housings



Performance Characteristics

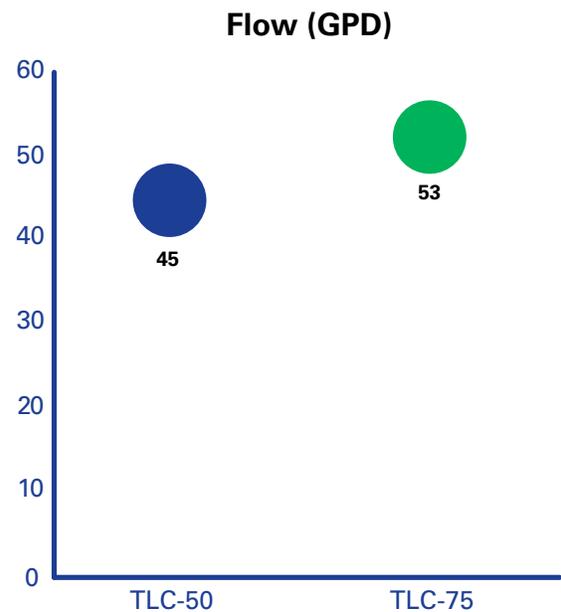
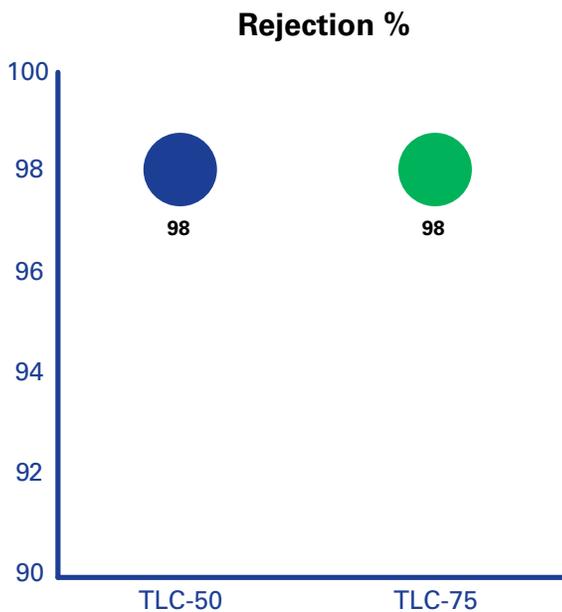
500 ppm



Product Tested at 65 psi; 77°F; 20% recovery; 500 ppm NaCl/RO

Performance Characteristics

2000 ppm



Product Tested at 65 psi; 77°F; 20% recovery; 2000 ppm NaCl/RO

NOTE: The data above is based on internal laboratory testing.



Product Specifications

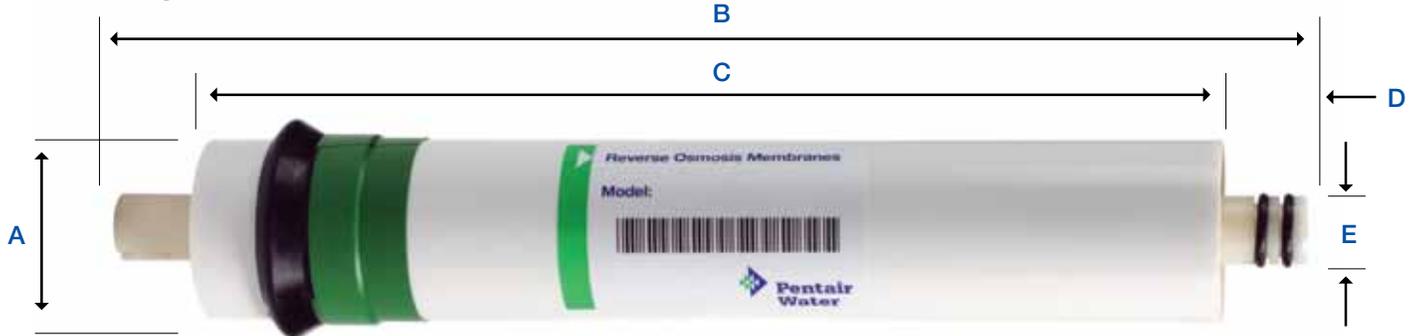
Part #	Model	Nominal Performance	
		Flow* gpd (lpd)	Rejection*
555694-00	TLC-50	50 (189)	98%
555693-00	TLC-75	75 (284)	98%
655006-00	TLC-24	24 (91)	98%
655007-00	TLC-36	36 (136)	98%

* Nominal performances are based on a 500 ppm softened tap at 65 psig (4.48 bar), 77°F (25°C), 15% recovery after 24 hours. Individual element flux may vary +/- 15%.

Operational Limits

Max Pressure psi (bar)	100 (6.90)
Max Temp °F (°C)	120 (49)
pH	4-11
Free Chlorine ppm	0.1

Size Specifications



Model	unit	A	B	C	D	E
TLC-50	inches (cm)	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-75	inches (cm)	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-24	inches (cm)	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-36	inches (cm)	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)

Filters and membrane elements are not to be installed on microbiologically unsafe water supplies. TLC Membranes are not certified to sanitize water, remove cysts, bacteria, or viruses. Filter and membrane element performance can be affected by fluctuations in water quality.





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