



# TLC™ MEMBRANE ELEMENTS

## THIN LAYER COMPOSITE RESIDENTIAL MEMBRANES

PROVIDES HIGH QUALITY REVERSE OSMOSIS WATER



Pentair® TLC™ Residential Membranes 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.

### FEATURES/BENEFITS

TLC Thin Layer Composite membrane

100% dry membrane maximizing shelf life

Eligible for NSF data transfer

High rejection stability at high input TDS

Standard dimensions to fit in commonly available housings

### OPERATIONAL LIMITS

Maximum Pressure:  
100 PSI (6.90 bar)

Maximum Temperature:  
120°F (49°C)

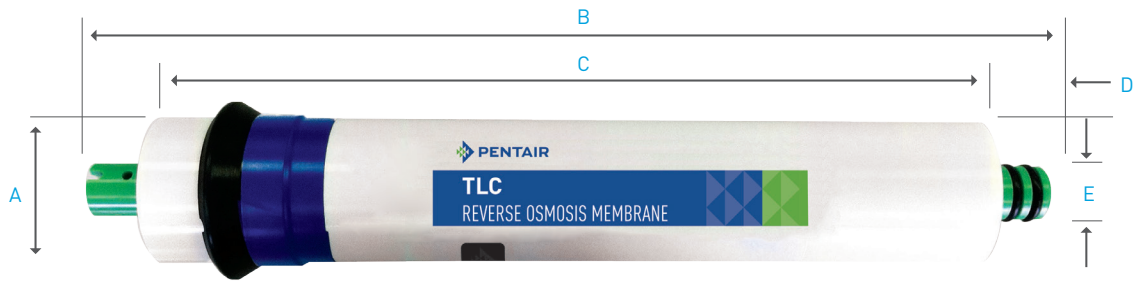
pH:  
4-11

Free Chlorine:  
0.1 ppm



The TLC-100 is Tested and Certified by NSF International against NSF/ANSI Standard 58 for material requirements only. The TLC-24, TLC-36, TLC-50, and TLC-75 are tested & certified by NSF/ANSI to standard 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium & TDS.

## SIZE SPECIFICATIONS



MODEL	UNIT	A	B	C	D	E
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)
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-100	inches (cm)	1.83 (4.65)	11.75 (29.85)	10.35 (26.30)	0.875 (2.22)	0.678 (1.72)

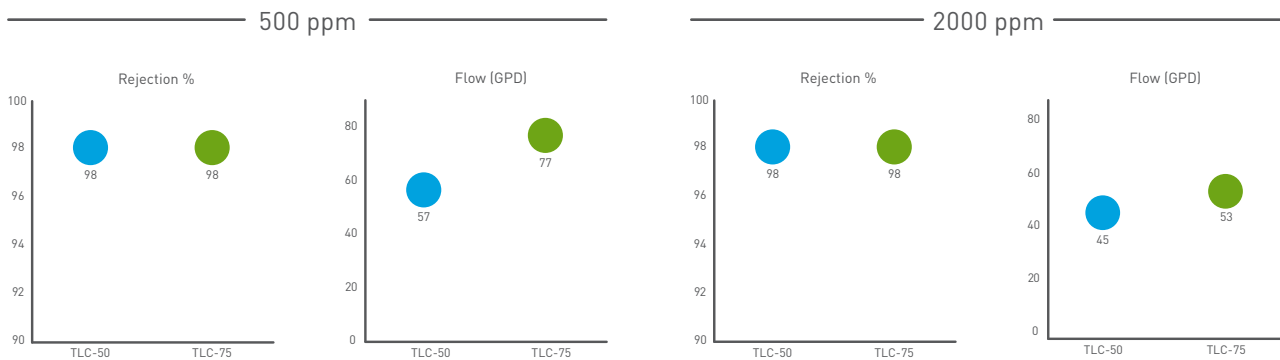
Filters and membrane elements are not to be installed on microbiologically unsafe water supplies. TLC Membranes are not certified to sanitize water, remove cysts, bacteria, or viruses. Filter and membrane element performance can be affected by fluctuations in water quality.

## PRODUCT SPECIFICATIONS

PART NUMBER	MODEL NUMBER	NOMINAL PERFORMANCE	
		FLOW* GDP (LPD)	REJECTION
655006-00	TLC-24	24 (91)	98%
655007-00	TLC-36	36 (136)	98%
555694-00	TLC-50	50 (189)	98%
555693-00	TLC-75	75 (284)	98%
655045-00	TLC-100	100 (378)	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%.

## PERFORMANCE CHARACTERISTICS



Product Tested at 65 psi; 77°F; 20% recovery; 500 ppm NaCl/RO  
NOTE: The data above is based on internal laboratory testing.

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



### FILTRATION & PROCESS

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