

TLC™ MEMBRANE ELEMENTS

THIN LAYER COMPOSITE RESIDENTIAL MEMBRANES



APPLICATION

- ◆ Drinking water

FEATURES • BENEFITS

- ◆ Provides high quality Reverse Osmosis water
- ◆ 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

OPERATION TIPS

- ◆ 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.

OPERATIONAL LIMITS

- ◆ Maximum Pressure: 100 PSI (6.90 bar)
- ◆ Maximum Temperature: 120oF (49oC)
- ◆ pH: 4-11
- ◆ Free Chlorine: 0.1 ppm



COMPONENT

The TLC membrane series (TLC-24, TLC-36, TLC-50, TLC-75, & TLC-100) have been TESTED and CERTIFIED by NSF International against NSF/ANSI Standard 58 for material safety and the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium & TDS.



SIZE SPECIFICATIONS

MODEL	A	B	C	D	E
TLC-24	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-36	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-50	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-75	1.79 (4.55)	11.75 (29.85)	10.00 (25.40)	0.875 (2.22)	0.678 (1.72)
TLC-100	1.83 (4.65)	11.75 (29.85)	10.35 (26.30)	0.875 (2.22)	0.678 (1.72)

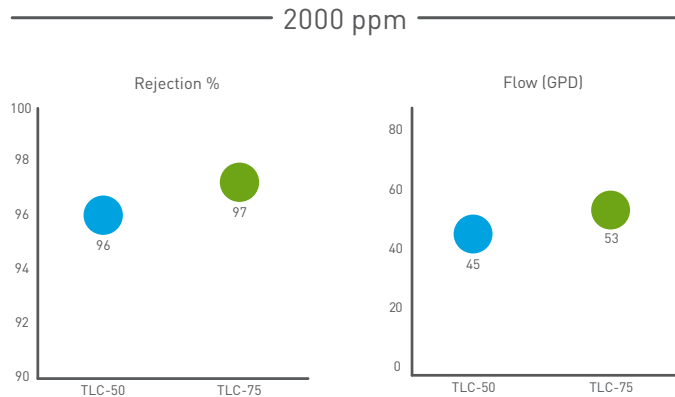
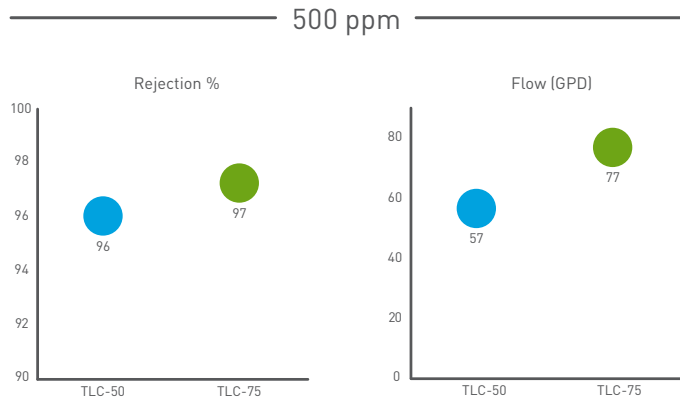
Filters and membrane elements are not to be installed on microbiologically unsafe water supplies. TLC Membranes are not certified to sanitize water, remove cysts, bacteria, or viruses. Filter and membrane element performance can be affected by fluctuations in water quality.

PRODUCT SPECIFICATIONS

PART NUMBER	MODEL NUMBER	NOMINAL PERFORMANCE	
		FLOW* GDP (LPD)	REJECTION
655006-00	TLC-24	24 (91)	96%
655007-00	TLC-36	36 (136)	96%
555694-00	TLC-50	50 (189)	96%
555693-00	TLC-75	75 (284)	97%
655045-00	TLC-100	100 (378)	97%

* 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



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