

LG Water Solutions

Grow your Consumer Business with LG Chem



**Residential
RO Membranes**



Overview

LG Chem's NanoH₂O RO membranes for residential water treatment are US-patented and NSF-certified to produce healthy, clean water. LG is world-renown for quality products. Our membranes are made in Korea and deliver the reliability and quality to customers around the world



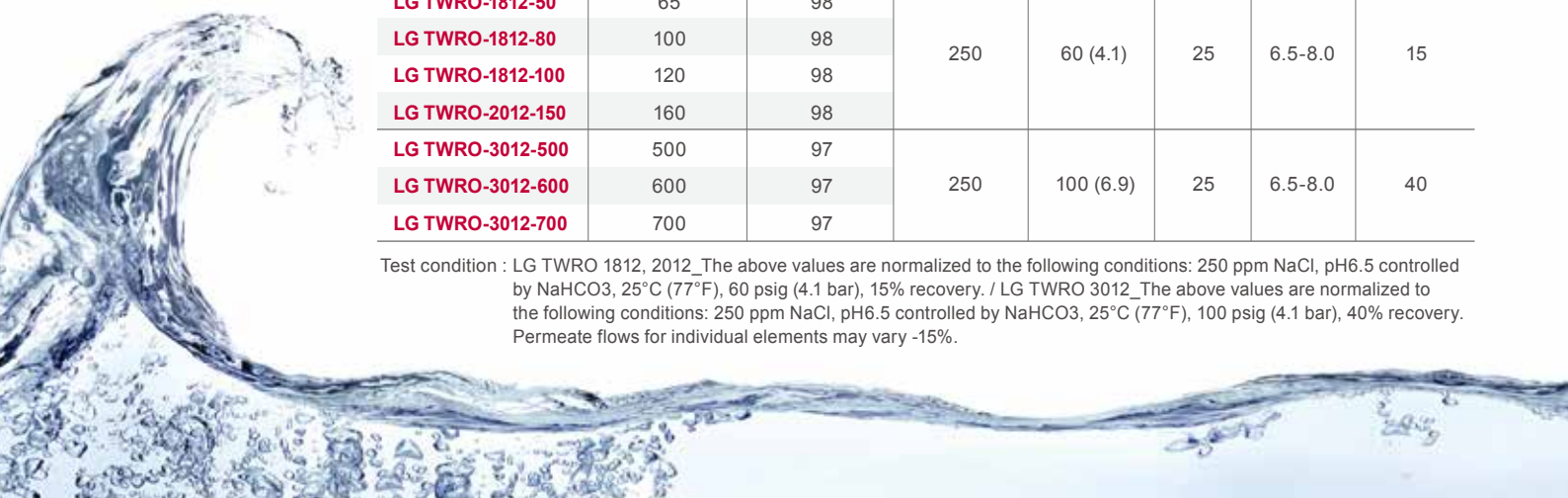
LG TWRO Tap Water Membranes

Deliver quality drinking water and reliable performance

Product Specifications

Product	Performance		Test Conditions				
	Permeate flow rate (GPD)	Typical Salt rejection (%)	NaCl Conc. (ppm)	Pressure (psi(bar))	Temp. (°C)	pH	Recovery (%)
LG TWRO-1812-50	65	98	250	60 (4.1)	25	6.5-8.0	15
LG TWRO-1812-80	100	98					
LG TWRO-1812-100	120	98					
LG TWRO-2012-150	160	98					
LG TWRO-3012-500	500	97	250	100 (6.9)	25	6.5-8.0	40
LG TWRO-3012-600	600	97					
LG TWRO-3012-700	700	97					

Test condition : LG TWRO 1812, 2012_The above values are normalized to the following conditions: 250 ppm NaCl, pH6.5 controlled by NaHCO₃, 25°C (77°F), 60 psig (4.1 bar), 15% recovery. / LG TWRO 3012_The above values are normalized to the following conditions: 250 ppm NaCl, pH6.5 controlled by NaHCO₃, 25°C (77°F), 100 psig (4.1 bar), 40% recovery. Permeate flows for individual elements may vary -15%.



Product	Total length	Front connector length	Connector diameter	Element diameter	Element length
LG TWRO-1812-50 LG TWRO-1812-80 LG TWRO-1812-100	298 mm (11.7 in.)	18 mm (0.7 in.)	17 mm (0.7 in.)	44.5 mm (1.8 in.)	265 mm (10.4 in.)
LG TWRO-2012-150	298 mm (11.7 in.)	18 mm (0.7 in.)	17 mm (0.7 in.)	48 mm (1.8 in.)	265 mm (10.4 in.)
LG TWRO-3012-500 LG TWRO-3012-600 LG TWRO-3012-700	297 mm (11.7 in.)	21 mm (0.8 in.)	17 mm (0.7 in.)	74.9 mm (2.9 in.)	261 mm (10.3 in.)

Operating Specifications

For more information and operating guidelines, visit www.LGwatersolutions.com

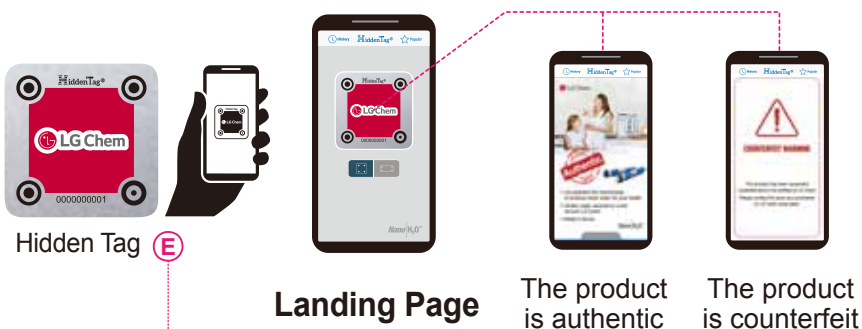
1. Maximum temperature for continuous operation above pH 10 is (35°C) 95°F.
2. Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, LG Chem recommends removing residual free chlorine by pretreatment prior to membrane exposure.

Maximum operating pressure:	10 bar (150 psig)
Maximum operating temperature	45°C (113°F)
Maximum feed flow rate	7.6 lpm (2.0 gpm)
pH Range, Continuous¹:	2-11
Free chlorine tolerance²:	<0.1 ppm

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LG TWRO Products Feature



LG TWRO Inside

