

# LG Water Solutions

# Data Sheet



## Residential Reverse Osmosis (RO) Membranes

### LGTWRO-2012-150



## Overview

LG Chem's NanoH<sub>2</sub>O™ reverse osmosis membranes for residential water treatment obtain US patented RO membranes to produce clean water for customer health. We assure quality water by NSF and world-renowned LG. These membranes deliver the reliability and quality to customers from around the world.

## Product Specifications

Product	Permeate Flow Rate (GPD)	Stabilized Salt Rejection (%)	Minimum Salt Rejection (%)
<b>LGTWRO-2012-150</b>	160	98	97

Test conditions : 250 ppm NaCl @ 25°C (77°F), 60 psi (4.1 bar), pH6.5-7.0, 15% recovery. Permeate flows for individual elements will vary with no less than 85% of the specified datasheet flow.



Product	A		B		C		D		E	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>LGTWRO-2012-150</b>	298	11.7	18	0.71	17	0.67	48.0	1.89	265	10.43

## Operating Specifications

For more information and operating guidelines, visit [www.LGwatersolutions.com](http://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.

<b>Maximum operating pressure:</b>	150psi (10.3bar)
<b>Maximum operating temperature</b>	45°C (113°F)
<b>Maximum feed flow rate</b>	7.6 lpm (2.0 gpm)
<b>pH Range, Continuous<sup>1</sup>:</b>	2-11
<b>Max Feedwater SDI (15min.)</b>	5.0
<b>Free chlorine tolerance<sup>2</sup>:</b>	<0.1 ppm

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**NanoH<sub>2</sub>O™**