

LG Water Solutions

Data Sheet



Residential Reverse Osmosis (RO) Membranes LGTWRO-3012-700



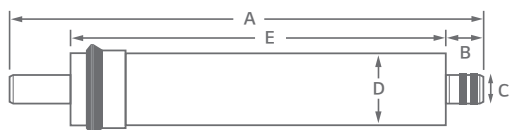
Overview

LG Chem's NanoH₂O™ reverse osmosis membranes for residential water treatment obtain US patented RO membranes to produce clean water for customer health. We assure quality water by 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 (%)
LGTWRO-3012-700	700	97	96

Test conditions : 250 ppm NaCl @ 25°C (77°F), 100 psi (6.9 bar), pH6.5-7.0, 40% 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
LGTWRO-3012-700	298	11.7	22	0.87	17	0.67	73.0	2.87	254	10.00

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:	150psi (10.3bar)
Maximum operating temperature	45°C (113°F)
Maximum feed flow rate	7.6 lpm (2.0 gpm)
pH Range, Continuous¹:	2-11
Max Feedwater SDI (15min.)	5.0
Free chlorine tolerance²:	<0.1 ppm

The information contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. LG Chem assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. NanoH₂O is the Trademark of LG Chem. All rights reserved. © LG Chem, Ltd.

Contact LG Water Solutions

• America +1 424 218 4042 • Europe, Africa except Egypt +34 678 444 020 • Middle East, Egypt +971 50 558 4168
• Korea +82 2 6924 3943 • China +86 21 60872900 • India +91 9810013345 • South East Asia +65 9749 7471

Rev. C(07.25)

NanoH₂O™