LG Chem

ATS WATER TECHNOLOGY

LG Water Solutions

Data Sheet

Brackish Water
Reverse Osmosis (RO) Membranes
LG CW 4040 SF

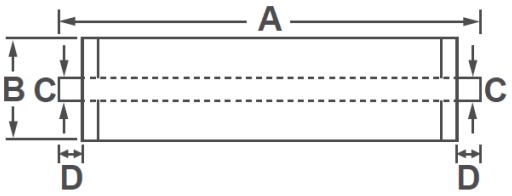
Overview

LG CW 4040 SF RO membranes qualify for car wash industry and other various commercial applications. LG CW 4040 SF RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, offer high productivity at ultra-low feed pressure and good salt rejection. The membranes are available in industry standard 4"x40" configuration and can easily fit into existing or new industry RO systems.

Product Specifications

Active Membrane Area, ft² (m²)	Permeate Flow Rate, GPD (m³/d)	Stabilized Salt Rejection, %	Minimum Salt Rejection, %	Feed Spacer, mil
85 (7.9)	2,900 (11.0)	99.0	98.0	28

Test Conditions : 500 ppm NaCl at 25°C (77°F), 100 psi (6.9 bar), pH 7, Recovery 15%.
Permeate flows for individual elements will vary with no less than 85% of the specified datasheet flow.



A, mm (in.)	B, mm (in.)	C, mm (in.)	D, mm (in.)	Weight kg (lbs.)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	4.0 (8.8)

All dimensional information is indicative and for reference purpose only. Please contact LG Chem for detailed technical specification.

Operating Specifications

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

Max. Applied pressure	600 psi (41 bar)
Max. Chlorine concentration	< 0.1 ppm
Max. Operating temperature	45°C (113°F)
pH Range, Continuous (Cleaning)	2-11 (2-12)
Max. Feedwater turbidity	1.0 NTU
Max. Feedwater SDI (15 mins)	5.0
Max. Feed flow	16 gpm (3.6 m³/h)
Max. Pressure drop (ΔP) for each element	15 psi (1.0 bar)

The Membrane Elements performance is expressly conditioned on Buyer's storing, installing, operating, and maintaining Product in accordance with industry-accepted good practices and Seller's written instructions provided in the Seller's Technical Manual, which consists of LG Chem, Ltd Technical Service Bulletins ("TSB") and Technical Applications Bulletins ("TAB") and may be viewed and downloaded at www.lgwatersolutions.com.

(06.21)

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