

# Data Sheet



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



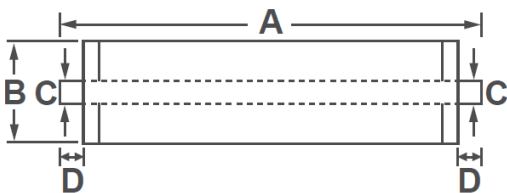
## Overview

LG CW 4040 SF RO membranes are mainly targeted for spot free rinse application in the car wash industry. LG CW 4040 SF RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, offer high productivity at ultra-low feed pressure while delivering good water quality. The membranes are available in industry standard 4"x40" configuration and can easily fit into existing or new car wash RO systems.

## Product Specifications

Active Membrane Area, ft <sup>2</sup> (m <sup>2</sup> )	Permeate flow rate, GPD (m <sup>3</sup> /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 [O.D.] mm (in.)	C [O.D.] mm (in.)	D mm (in.)	Weight kg (lbs.)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	4.0 (8.8)

## Operating Specifications

For more information and operating guidelines, visit [www.lgwatersolutions.com](http://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 m <sup>3</sup> /h)
Max. Pressure drop (ΔP) for each element	15 psi (1.0 bar)

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