

# Data Sheet



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



### Overview

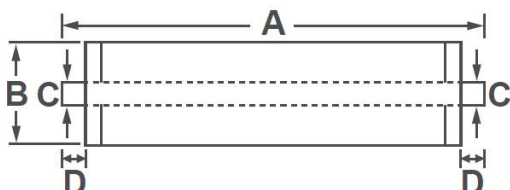
LG CW 4040 SF RO membranes qualify for car wash industry and other various commercial applications. LG CW 4040 SF RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, offer high productivity at ultra-low feed pressure and good salt rejection. The membranes are available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

### Product Specifications

| Active Membrane Area, 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, 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)        |

### 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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