

Nano:H<sub>2</sub>O™



**Features**

- High permeate flow rate and salt rejection at low feed pressures
- Good durability

**Benefits**

- Low energy consumption
- High permeate water quality

**Ideal Applications**

- Light industrial process water
- Commercial applications

Product Data Sheet

# LG BW 4040 ES

Energy-saving brackish water RO membrane for commercial applications

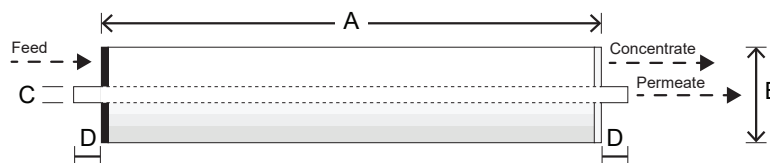
**Performance Specifications**

Item	Unit	Value
Permeate Flow Rate	GPD (m <sup>3</sup> /day)	2,500 (9.5)
Stabilized Salt Rejection	%	99.5
Minimum Salt Rejection	%	99.2
Active Membrane Area	ft <sup>2</sup> (m <sup>2</sup> )	85 (7.9)
Feed Spacer Thickness	mil	28

The specifications outlined above are normalized performances based on the following test conditions:

- **Test Conditions:** 2,000 ppm NaCl, 150 psi (10.3 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by ±20%

**Dimensions and Weight**



Dimensions: mm (in)				Wet Weight: kg (lbs)
A	B	C	D	
Element Length	Element O.D.	Core Tube I.D.	Core Tube Ext.	3.6 (8.0)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	

**Operating Specifications**

Item	Unit	Value
Maximum Applied Pressure	psi (bar)	600 (41.3)
Maximum Chlorine Concentration	ppm	< 0.1
Maximum Operating Temperature	°C (°F)	45 (113)
pH Range, Continuous Operation		2–11
pH Range, Cleaning		2–12
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI <sub>15</sub>		5.0
Maximum Feed Flow	gpm (m <sup>3</sup> /h)	16 (3.6)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)



This product is certified to NSF/ANSI/CAN Standard 61 for drinking water systems

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