

Nano:H₂O™



Key Features

- Highest permeate flow rate
- Good durability

Main Benefits

- Low energy consumption

Ideal Applications

- Light industrial process water
- Commercial applications

Product Data Sheet

LG BW 4040 UES

Ultra-energy-saving brackish water RO membrane for commercial applications

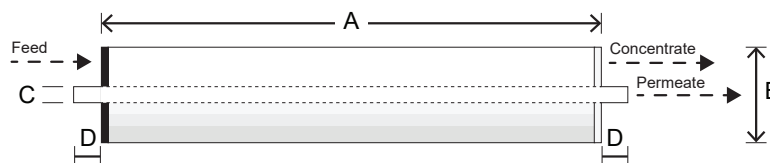
Performance Specifications

Specification	Unit	Value
Permeate Flow Rate	GPD (m ³ /day)	2,700 (10.2)
Stabilized Salt Rejection	%	99.0
Minimum Salt Rejection	%	98.0
Active Membrane Area	ft ² (m ²)	85 (7.9)
Feed Spacer Thickness	mil	28

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

- **Test Conditions:** 500 ppm NaCl, 100 psi (6.9 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by -15%

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.	4.0 (8.8)
1,016 (40)	100 (3.9)	19 (0.75)	29 (1.1)	

All dimensional information is indicative and for reference only. Please contact LG Water Solutions for detailed technical specifications.

Operating Specifications

Specification	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 ₁₅		5.0
Maximum Feed Flow	gpm (m ³ /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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