

LG BW AFR Anti-Fouling membranes

Well suited for challenging feed water across varying operating conditions

## **Product Specifications**



**F**110

Configuration: 8-inch spiral wound / Membrane Polymer: Thin-film nanocomposite (TFN) polyamide

Product	Flow rate m³/d (GPD)	Minimum NaCl rejection (%)	NaCl rejection (%)	Active area m² (ft²)	Feed spacer (mil*)
LG BW 400 R	<b>39.7</b> (10,500)	99.5	99.6	37 (400)	34
LG BW 440 R	<b>43.7</b> (11,550)	99.5	99.6	<b>41</b> (440)	28
LG BW 400 ES	<b>39.7</b> (10,500)	99.5	99.6	37 (400)	34
LG BW 440 ES	<b>43.7</b> (11,550)	99.5	99.6	<b>41</b> (440)	28
LG BW 400 AFR	<b>39.7</b> (10,500)	99.5	99.6	37 (400)	34

Note : \*LG BW 400 R, LG BW 440 R, LG BW 440 AFR\_The above values are normalized to the following conditions : 2,000 ppm NaCl, 15.5bar (225 psi), 25°C (77°F), pH 8, 15% recovery. Permeate flows for individual elements may vary +/- 15%.

Note : \*LG BW 400 ES, LG BW 440 ES, The above values are normalized to the following conditions : 2,000 ppm NaCl, 10.3bar (150 psi), 25°C (77°F), pH 8, 15% recovery. Permeate flows for individual elements may vary +/- 15%.

Α Length Element O.D. Perm tube I.D.

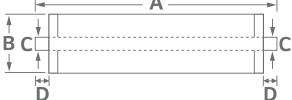


## Configuration: 4-inch spiral wound / Membrane Polymer: Thin-film nanocomposite (TFN) polyamide

Product	Flow rate m³/d (GPD)	Minimum NaCl rejection (%)	NaCl rejection (%)	Active area m² (ft²)	Feed spacer (mil*)
LG BW 4040 R	<b>9.5</b> (2,500)	99.3	99.6	<b>7.9</b> (85)	28
LG BW 4040 ES	<b>9.5</b> (2,500)	99.2	99.5	<b>7.9</b> (85)	28
LG BW 4040 AFR	8.7 (2,300)	99.3	99.6	7.4 (80)	34

Note : \*LG BW 4040 R, LG BW 4040 AFR\_The above values are normalized to the following conditions : 2,000 ppm NaCl, 15.5bar (225 psi), 25°C (77°F), pH 8, 15% recovery. Permeate flows for individual elements may vary +/- 20%.

Note : \*LG BW 4040 ES\_The above values are normalized to the following conditions : 2,000 ppm NaCl, 10.3bar (150 psi), 25°C (77°F), pH 8, 15% recovery. Permeate flows for individual elements may vary +/- 20%.



C	Length A	Element O.D B	Core tube I.D C	Core tube Extension D	<b>Weight</b> kg (lbs.)
	<b>1,016 mm</b>	100 mm	<b>19 mm</b>	<b>28 mm</b>	<b>3.6</b>
	(40 in.)	(3.9 in.)	(0.75 in.)	(1.1 in.)	(8.0)

## **Operating Specifications**

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

Max. Applied pressure:	4.14 MPa (600 psi)
Max. Chlorine concentration:	< 0.1 ppm
Max. Operating temperature:	45°C (113°F)
pH Range, Continuous (Cleaning):	2-11 (2-13)
Max. Feedwater turbidity:	1.0 NTU
Max. Feedwater SDI (15 mins):	5.0
Max. Pressure drop ( $\Delta P$ ) for each element:	1 bar (15 psi)