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WCA
Water Components Australia

Membranes

- For highly-polluted feed water (TDS < 10,000ppm)
- Fouling resistant
- High rejection

REVERSE OSMOSIS ELEMENT

FR-8040

PERFORMANCE	Permeate Flow	10500 GPD (39.70 m³/d)
	Salt Rejection	99.5% (99.0% minimum)
MEMBRANE ELEMENT	Configuration	Polyamide thin-film composite membrane
	Membrane Active Area	400ft2/37.20m²
	Manufacturing Certificate	NSF, CE, WQA, ROHS, ISO9001:2015, ISO14001:2015, OHSAS18001
APPLICATION DATA	Applications	Surface water, industrial waste water, municipal reclaimed water, brackish water
	Maximum Applied Pressure	600 psi (4.14 MPa)
	Maximum Concentration of Free Chlorine	< 0.1 PPM
	Maximum Operating Temperature	113°F (45°C)
	pH Range, Continuous (Cleaning)	1-13
	pH Range, Continuous (Running)	2-11
	Maximum Feed Water TDS	10,000 ppm
	Maximum Feed Silt Density Index (SDI)	5.0
	Maximum Feed Flow	75 GPM (17 m³/h)
	Boron-removingrate (%)	92
	Maximum Pressure Drop for Each Element	15 psi (0.1 Mpa)

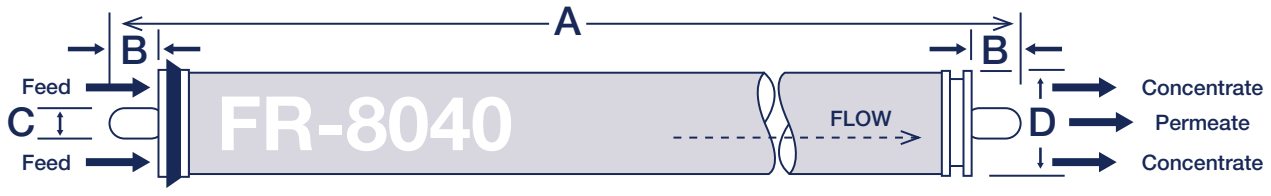
** The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. Please feel free to contact us for moredetail on operation limits, cleaning pH, and cleaning temperatures.*

TEST CONDITIONS

The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions:

2000mg/L NaCl solution
225 psi (1.55 MPa) Applied Pressure
25°C Operating Temperature
pH 7.0±5
15% Permeate Recovery

Notice: Permeate flow for individual elements may vary ±15 percent. Membrane active area may vary +/-5%-10%. Element weight mayvary. All membrane elements are supplied with a brine seal, interconnector, and o-rings.



DIMENSIONS			
	A inches (mm)	B inches (mm)	C inches (mm)
	40 (1016)	7.9 (201)	1.125 (29)

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