



# FLUID SYSTEMS TFC® - FR 8"

Fouling Resistant, Low Pressure, Brackish Surface Water or Wastewater Treatment, RO Elements



## PRODUCT DESCRIPTION

**Membrane Chemistry:** Proprietary TFC® polyamide  
**Membrane Type:** TFC® - FR, fouling resistant  
**Construction:** Spiral-wound with fiberglass outerwrap  
**Applications:** Fouling resistant membrane for surface water and wastewater treatment  
**Options:** 40" (1,016 mm) length with standard or high area construction, or 60" (1,524 mm) Magnum® length.

## SPECIFICATIONS

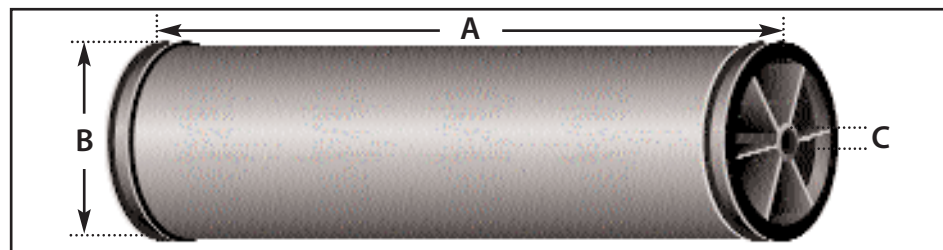
Model	Permeate Flow	Chloride Rejection	Membrane Area
	gpd (m <sup>3</sup> /d)	percent	ft <sup>2</sup> (m <sup>2</sup> )
TFC® 8822 FR-365	9,500 (36.0)	99.5	365 (33.9)
TFC® 8822 FR-400	10,500 (39.7)	99.5	400 (37.2)
TFC® 8832 FR-575 Magnum®	15,000 (56.8)	99.5	575 (53.4)

Test Conditions: 2,000 mg/l NaCl solution at 225 psi (1,550 kPa) applied pressure, 15% recovery (20% recovery for Magnum® elements) 77°F (25°C) and pH 7.5.

## OPERATING & DESIGN INFORMATION

Typical operating pressure: 225 - 450 psi (1,550 - 3,100 kPa)  
 Maximum operating pressure: 600 psi (4,140 kPa)  
 Maximum operating temperature: 113°F (45°C)  
 Maximum cleaning temperature: 113°F (45°C)  
 Maximum continuous free chlorine: <0.1 mg/l  
 Allowable pH - continuous operation: 4 - 11  
 Allowable pH - short term cleaning: 2.5 - 11  
 Maximum differential pressure per 40"/60" element: 10/15 psi (69/104 kPa)  
 Maximum differential pressure per vessel: 60 psi (414 kPa)  
 Maximum feed turbidity: 1 NTU  
 Maximum feed SDI (15 minute): 5  
 Feed spacer thickness standard/high area: 31/28 mil (0.8/0.7 mm)

## PRODUCT DIMENSIONS AND WEIGHT



Model	A	B	C	Weight	Part Numbers
	inches (mm)	inches (mm)	inches (mm)	lbs (kg)	Interconnector O-ring Brine Seal
TFC® 8822 FR-365	40 (1,016)	8 (203.2)	1.125 (28.6)	40 (18)	0035260 0035464 0035705
TFC® 8822 FR-400	40 (1,016)	8 (203.2)	1.125 (28.6)	44 (20)	0035260 0035464 0035705
TFC® 8832 FR-575 Magnum®	60 (1,524)	8 (203.2)	1.125 (28.6)	64 (29)	0035260 0035464 0035705

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