KOCH MEMBRANE SYSTEMS

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

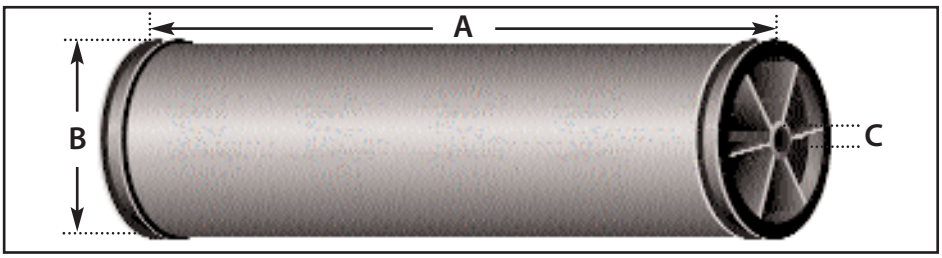
Model	Permeate Flow		Chloride Rejection	Membrane Area	
	gpd	(m^3/d)	percent	ft^2	(m^2)
TFC® 8822 FR-365	9,500	(36.0)	99.5	365	(33.9)
TFC® 8822 FR-400	10,500	(39.7)	99.5	400	(37.2)
TFC® 8832 FR-575 Magnum®	15,000	(56.8)	99.5	575	(53.4)

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

The information contained in this publication is believed to be accurate and reliable, but is not to be construed as implying any warranty or guarantee of performance. We assume no responsibility, obligation or liability for results obtained or damages incurred through the application of the information contained herein. Refer to Standard Terms and Conditions of Sale and Performance Warranty documentation for additional information.