



Thin Film Composite (TFC) RO Membranes

- Spiral-wound module constructed of a microporous polysulfone layer on a polyester support with an ultrathin polyamide barrier coating
- Cartridges provide excellent performance for a wide variety of applications including low-pressure tap water and brackish water desalination
- Excellent thermal stability
- Excellent salt rejection
- No acid feed requirements
- Ideal for hemodialysis, electronics, high TDS feed waters, and laboratory applications
- Excellent pH stability
- Microbiological resistance

PERFORMANCE AND PHYSICAL SPECIFICATIONS

	MR40C	MR60C	4 x 40	8 x 40
Initial Flow Rate @ 25°C/200 psi	2.0-3.0 L/min	3.0-4.5 L/min	1800 gpd	7500 gpd
Max Feed Flow	16 gpm 60.6 L/min	16 gpm 60.6 L/min	16 gpm 60.6 L/min	70 gpm 265 L/min
Initial Rejection Monovalent Ions	> 96%	> 96%	> 96%	> 96%
Initial Rejection Divalent Ions	> 98%	> 98%	> 98%	> 98%
Length/in. (cm)	25 (63.5)	25 (63.5)	40 (101.6)	40 (101.6)
Diameter/in. (cm)	3.4 (8.6)	3.6 (9.1)	3.9 (9.9)	7.9 (20.1)
Diameter (Unstressed Chevron Seal)/in. (cm)	3.74 (9.50)	4.21 (10.69)	—	—
Product Tube Diameter/in. (cm)	—	—	0.75 (1.91)	1.125 (2.85)

FEED WATER SPECIFICATIONS

Operating Pressure			
MR40/60C	80-225 psi	Langelier Saturation Index of Reject	<-1.0
4x40/8x40	225-600 psi	Free Chlorine	0 ppm
Temperature	2-45°C	Maximum Cartridge Recovery	15%
pH	2 - 11	Maximum Feed Turbidity	1 NTU
Silt Density Index	< 5		

ORDERING INFORMATION

RO System	Cartridges Used	Quantity Required
MR40C Cartridges		
Series 60	CDRC 025 S1	1 each
Series 120	CDRC 025 S1 CDRC 025 SH	1 each 1 each
Series 250	CDRC 025 S1 CDRC 025 SH	1 each 2 each
Series 350	CDRC 025 S1 CDRC 025 SH	1 each 3 each
MR60C Cartridges		
Series 1000, 2000	CDRC M60 S1	Quantities vary, consult Technical Support
4x40/8x40 Cartridges		
Series 2500, 3000	CDRC4x40B (1/pk)	Quantities vary, consult Technical Support
Series 4000, 8400	CDRC8x40B (1/pk)	Quantities vary, consult Technical Support