

PRODUCT DATA SHEET



Brackish Water Membranes

OVERVIEW

Standard Membrane Element: Micro RO 80x40-400BW

Microsoll membranes are special manufacture products

Performance

Permeate flow:	11.000 GPD (41,6 m ³ /d)
Salt Rejection:	99% - %99,7
Configuration:	Spiral Wound
Membrane active area:	400ft ²
Maximum Applied Pressure:	600 psig (40 bar)
Maximum Chlorine Concentration:	< 0.1 ppm
Maximum Operating Temperature:	113 °F (45 °C)
pH Range, Continuous Cleaning):	2-10.8 (1-12.5)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	75 GPM (17.0 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
Maximum Pressure Drop for Each Element:	15 psi



TEST SPECIFICATIONS

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

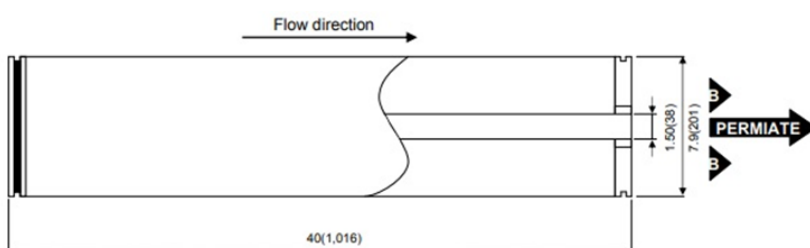
1500 ppm NaCl solution

225 psi (1.55 MPa) Applied Pressure

77 °F (25 °C) Operating Temperature

15% Permeate Recovery

6,5 - 7.0 pH Range



Standard Membrane Element: Micro RO 40x40-400BW

Microsoll membranes are special manufacture products

Performance

Permeate flow:	2.250 GPD (8,5m3/d)
Salt Rejection:	99,5 %
Configuration:	Spiral Wound
Membrane active area:	85ft ²
Maximum Applied Pressure:	600 psig (40 bar)
Maximum Chlorine Concentration:	< 0.1 ppm
Maximum Operating Temperature:	113 °F (45 °C)
pH Range, Continuous Cleaning):	2-10.8 (1-12.5)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
16	75 GPM (3,6 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element:	5:1
Maximum Pressure Drop for Each Element:	15 psi



TEST SPECIFICATIONS

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

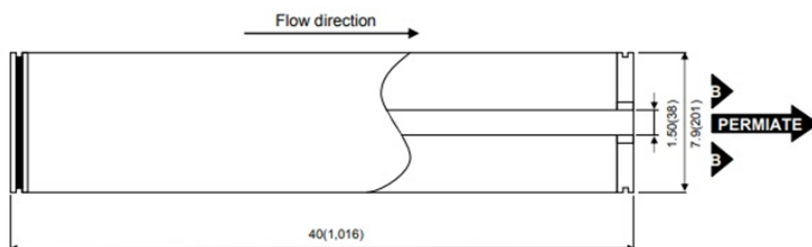
1500 ppm NaCl solution

225 psi (1.55 MPa) Applied Pressure

77 °F (25 °C) Operating Temperature

15% Permeate Recovery

6,5 - 7.0 pH Range



PRODUCT DATA SHEET

Sea Water Membranes

OVERVIEW

Standard Membrane Element: Micro RO 80x40-400SW

Performance

Permeate flow:	9.900 GPD (37,5 m ³ /d)
Salt Rejection:	99% - %99,7
Configuration:	Spiral Wound
Membrane active area:	440ft ²
Maximum Applied Pressure:	1200 psig (85 bar)
Maximum Chlorine Concentration:	< 0.1 ppm
Maximum Operating Temperature:	113 °F (45 °C)
pH Range, Continuous Cleaning):	2-11 (1-13)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	75 GPM (17.0 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element	5:1
Maximum Pressure Drop for Each Element	15 psi



TEST SPECIFICATIONS

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

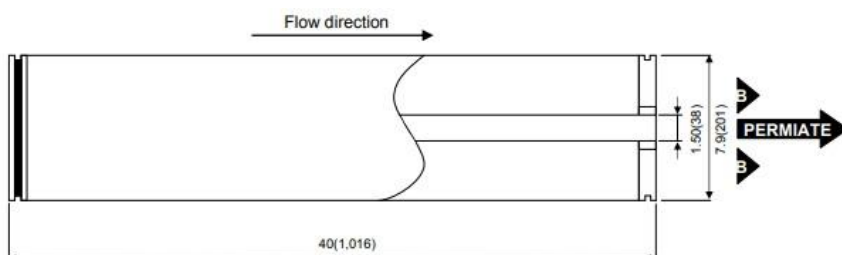
32.000 ppm NaCl solution

800 psi (5.5 MPa) Applied Pressure

77 °F (25 °C) Operating Temperature

10% Permeate Recovery

6.5 - 7.0 pH Range



Standard Membrane Element: Micro RO 40x40-400SW

Performance

Permeate flow:	1.750 GPD (6,62 m ³ /d)
Salt Rejection:	99,7%
Configuration:	Spiral Wound
Membrane active area:	80ft ²
Maximum Applied Pressure:	1200 psig (85 bar)
Maximum Chlorine Concentration:	< 0.1 ppm
Maximum Operating Temperature:	113 °F (45 °C)
pH Range, Continuous Cleaning):	2-11 (1-13)
Maximum Feedwater Turbidity:	1.0 NTU
Maximum Feedwater SDI (15 mins):	5.0
Maximum Feed Flow:	16 GPM (3,6 m ³ /h)
Minimum Ratio of Concentrate to Permeate Flow for any Element	5:1
Maximum Pressure Drop for Each Element	15 psi



TEST SPECIFICATIONS

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

32.000 ppm NaCl solution

800 psi (5.5 MPa) Applied Pressure

77 °F (25 °C) Operating Temperature

10% Permeate Recovery

6.5 - 7.0 pH Range

