

REVERSE OSMOSIS MEMBRANE

SRO-4040-2500-LE

Materials of Construction

Membrane: Polyamide Thin-Film Composite
 Brine Seal: EPDM

Construction Notes

- Multi-layered polyamide thin-film composite membrane, spiral wound with feed channel spacer and collection material around a perforated collection tube.

Technical Data

Maximum Operating Temperature (°C)	45
Maximum Operating Temperature (°C) (over pH 10)	35
Maximum Operating Pressure (bar)	41
Minimum Operating Pressure (bar)	6
Applied Pressure (bar)	6.89
Maximum Feed Flow Rate (lpm)	53
Minimum Feed Flow Rate (lpm)	14
Maximum Recommended Recovery (%)	35
pH Range, Continuous Operation	2-11
pH Range, Short Term Cleaning	1-13
Maximum Feed Silt Density Index (SDI)	5
Chlorine Tolerance (ppm)	0
Maximum Feed Water Turbidity (NTU)	<1



Temperature Correction Factors

All data is collected from tests performed using feed water at 25°C. To calculate the permeate flow at a different temperature, multiply the rated permeate flow at 25°C by the temperature correction factor.

Water Temperature (°C)	Correction Factor
4	0.48
10	0.60
16	0.73
21	0.88
25	1.00
27	1.06
32	1.26

Performance

Product Code	lph (m ³ /day)	Avg Rejection (%) at 6.9 bar	Size (")	Active Area (ft ²)
SRO-4040-2500-LE	395 (9.5)	99	3.95 x 40	87

Reverse Osmosis Range

Also available from the SPECTRUM Reverse Osmosis membranes:

SRO-1812-50/100/150
 SRO-4040-2500-LE
 SRO-4611-1200-LE