NANOH2O

The World's Only RO Membrane with Breakthrough TFN Technology

Product Data Sheet



SW 400 SR

Seawater RO membrane with superior salt rejection and proven, long-lasting reliability

Key Features

- Superior salt rejection
- Superior boron rejection
- Improved fouling resistance due to thicker feed spacer

Main Benefits

- Excellent permeate water quality
- Well-proven, long-lasting reliability

Ideal Applications

- Single and multi-pass desalination plant design

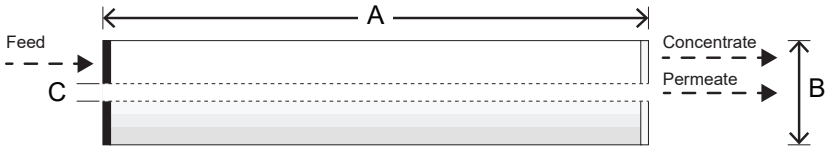
Performance Specifications

Item	Unit	Value
Permeate Flow Rate	GPD (m^3/d)	6,000 (22.7)
Stabilized Salt Rejection	%	99.85
Minimum Salt Rejection	%	99.7
Stabilized Boron Rejection	%	93
Active Membrane Area	ft^2 (m^2)	400 (37)
Feed Spacer Thickness	mil	34

The specifications outlined above are normalized performances based on the following test conditions:

- **Test Conditions:** 32,000 ppm NaCl, 5 ppm Boron, 800 psi (55.1 bar), 25°C (77°F), pH 8, Recovery 8%
- Permeate flow rates for individual elements may vary by ±15%

Dimensions and Weight



Dimensions: mm (in)			Wet Weight: kg (lbs)
A	B	C	16 (35)
Element Length	Element O.D.	Core Tube I.D.	
1,016 (40)	200 (7.9)	28.6 (1.125)	

All dimensional information is indicative and for reference only. Please contact NanoH2O for detailed technical specifications.

Operating Specifications

Specification	Unit	Value
Maximum Applied Pressure	psi (bar)	1,200 (82.7)
Maximum Chlorine Concentration	ppm	< 0.1
Maximum Operating Temperature	°C (°F)	45 (113)
pH Range, Continuous Operation		2–11
pH Range, Cleaning		1–13
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI_{15}		5.0
Maximum Feed Flow	gpm (m^3/h)	75 (17)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

These operating specifications are for general use. For specific applications, operation at more conservative values may ensure better performance and extended membrane life. See NanoH2O Technical Bulletins for more details.

Homepage | LinkedIn | Youtube

This product is certified to NSF/ANSI/CAN Standard 61 for drinking water systems

D-SW400SR-EN-093026

The product performance is expressly conditioned on Buyer's storing, installing, operating, and maintaining Product in accordance with industry-accepted good practices and Seller's written instructions provided in the Seller's Technical Manual may be viewed and downloaded at www.nanoh2owater.com
The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. NanoH2O assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. All rights reserved. © NanoH2O Co., Ltd.

Please visit our website for regional contact information
www.nanoh2owater.com