

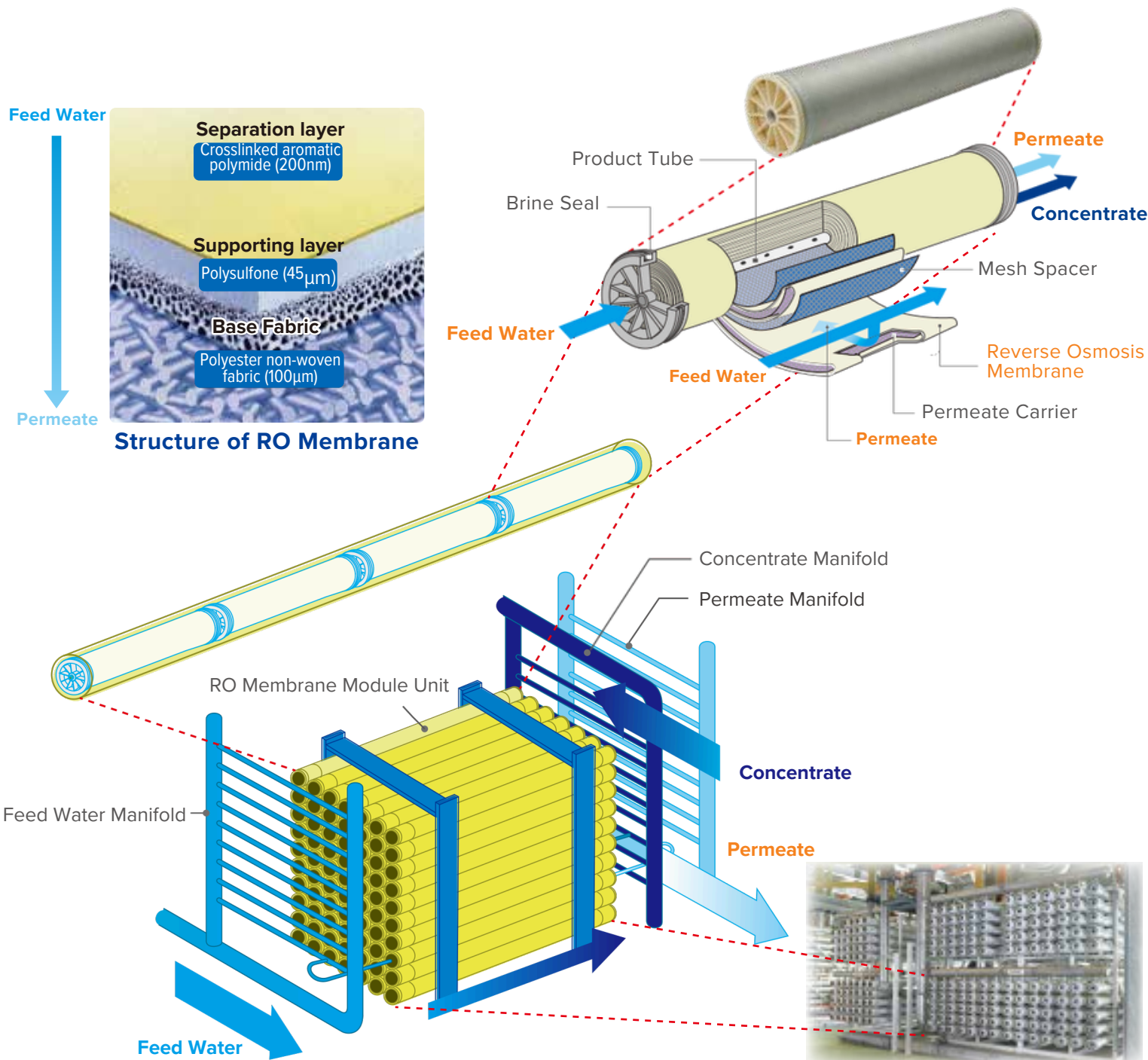
**Brackish<sup>®</sup>**  
REVERSE OSMOSIS ELEMENT

**CLEAN WATER, CLEAR FUTURE.  
ADVANCED MEMBRANE  
TECHNOLOGY FOR SUSTAINABLE  
SOLUTIONS.**

[www.brackishmembrane.com](http://www.brackishmembrane.com)



# Brackish RO Structure



**Notice:** Permeate flow for individual elements may vary  $\pm 20$  percent. All membrane elements are supplied with a brine seal, inter connector, and orings. Elements are packed in a sealed polyethylene bag containing less than 1.0% sodium meta bisulfate solution and 10% propylene glycol, and then packaged in a cardboard box.

# INDUSTRIAL MEMBRANES SERIES

Salt Agua's industrial Reverse Osmosis (RO) membranes are engineered to provide superior performance, long-lasting durability, and energy-efficient water treatment solutions. Designed to handle high Total Dissolved Solids (TDS), our membranes are ideal for industries that require effective, cost-efficient water purification with reduced energy consumption.

Trusted globally, Salt Agua membranes are the preferred choice for industries, hospitals, laboratories, and municipal or government-operated water treatment systems. They are well-suited for small, medium, and large-scale applications, offering reliable and hassle-free operation for all types of reverse osmosis plants.

Our extensive range of membranes is designed for use in both high-pressure and low-pressure systems, with options for very low-pressure operations as well. These membranes are especially effective for producing high-purity water, making them essential in industries requiring the highest water quality standards. Salt Agua membranes are highly efficient in removing impurities like soluble salts, Total Organic Carbon (TOC), silica ( $\text{SiO}_2$ ), and other dissolved contaminants.

Manufactured to international quality standards, Salt Agua membranes ensure outstanding consistency, precision, and reliability-making them the top choice for businesses looking for optimal, trouble-free water treatment solutions.





# Brackish® Data Sheet

# BW30-400

## SPECIFICATION

Product	BW 30-400
Active Area ft2(m2)	400 ft2 (37.0 m2)
Permeate Flow Rate gpd (m3/d)	10000 gpd (38.09 m3/d)
Slat Rejection (%)	99.2% (98% minimum)

## TYPE

Configuration:	Spiral Wound
Membrane Polymer:	Composite Polyamide (polyamide thin film composition)
FRP	Epoxy - Vinylester

## MAXIMUM APPLICATION LIMITS\*

Operating Pressure Tap Wrapped	600 psig (41 bar)
Chlorine Concentration	< 0.1 PPM
Operating Temperature	113 *F (45 o C)
pH Range, continuous (Cleaning )	2-11-(1-13)*
Feed Water Turbidity	1.0 NTU
Feed Water SDI (15 mins)	5.0
Ration (Concentrate to Permeate Flow for any Element)	4:1
Pressure Drop for Each Element	15 psi

\* The limitations shown here are for general use. For specific projects, operating at more conservative values may ensure the best performance and longest life of the membrane. For more detail on operation limits, cleaning pH, and cleaning temperatures consult technical Guidance note.

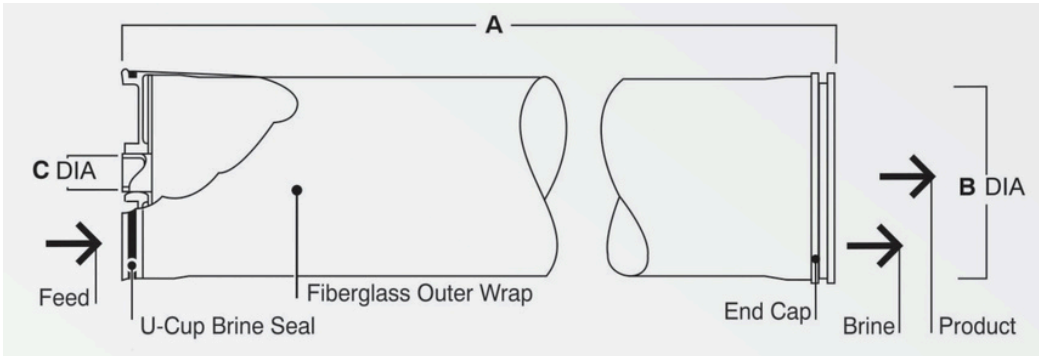
The stated performance is initial (data taken after 30 minutes of operation), based on the following conditions.

## TESTING PARAMETERS

NaCl Solution	2000 PPM
Applied Pressure	225 psi (15.5 bar)
Operating Temperature	77 oF (25oC)
Permeate Recovery	20%
pH Range	6.5-8.0

# Product Use and Warranty Information

DIMENSIONS	Weight : <input type="text"/>		36 lbs (16.4 kg) <input type="text"/>	
	<b>A</b> Length	<b>B</b> Diameter	<b>C</b> Core Tube Dia.	<b>D</b> Feed Side
				<b>E</b> Conc. Side
	40.0 inch (1016 mm)	7.9 inch (201 mm)	1.125 inch ID (29 mm ID)	

The customer is fully responsible for the effects of incompatible chemicals on elements the presenece of free chlorine and other oxidizing agents will cause membrane failures, the damage is not covered under warranty. The information and data contained herein are accurate and as per manufacturer internal testing. The information and data are offered in good faith, but without guarantee as conditions, system design and methods of use of our products can makes a difference manufacturer takes no liability for results obtained or damages incurred through the application of the presented information and dat. It is user's responsibility to determine the appropriateness of products for specific end uses. No performance warranties are give; all implied warranties of merchantability or fitness for a perticular purpose are expressly excluded. Consult factory for detailed warranty information. We reserve the right to modify of amend specification without prior notice.

# WHO WE ARE

AQUAPOT™, established in 2010, is a leading provider of water treatment solutions in India, catering to both domestic and commercial sectors. As an ISO 9001 Certified company and a member of the Water Quality Association, USA, AQUAPOT™ is renowned for its commitment to quality and reliability. Headquartered in Hyderabad, the company is rapidly expanding across India, supported by a robust network of authorized dealers. AQUAPOT™ offers comprehensive technical guidance for Commercial RO plants, water softeners, and a wide range of domestic water treatment solutions, with each product crafted using premium-grade raw materials.

## OUR BRANDS



**Brackish®**  
REVERSE OSMOSIS ELEMENT

AQUAPOT RO TECHNOLOGIES  
#5-2-291/1,Opp: Mahaveer Complex, Hyderbasti R.P Road-  
Secunderabad-03  
Email: [info@aquapot.in](mailto:info@aquapot.in) Website: [www.aquapot.in](http://www.aquapot.in) Phone:  
9963713648 | 8008363648

[www.brackishmembrane.com](http://www.brackishmembrane.com)