

Model	TR70-2521-HF
Type	Crosslinked Aromatic Polyamide, Negative Charge
Configuration	Spiral Wound, Tape Wrap
Average salt rejection %	99.4
Average permeate flow l/day	1400

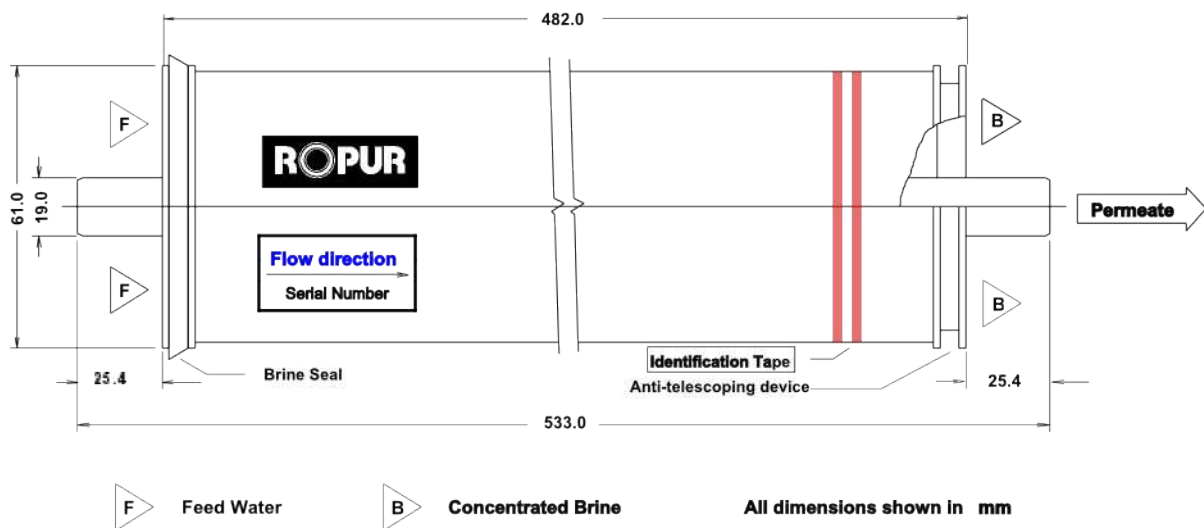
Test conditions

Temperature	25 ° C
Feed Concentration	1500 ppm NaCl
Feed pressure	10.3 bar
Test Recovery	15 %
pH_feed	6,5 - 7,5

Minimum performance data for any single element

Minimum salt rejection %	98.5
Minimum permeate flow l/day	1190

Dimensions:



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Recommended Design Conditions

Operating pressure	< 15 bar
Operating temperature	< 35 ° C
Feed SDI15	< 5 %/min
Chlorine in feed	not detectable
Operating pH range	3 - 11
Allowed pH during CIP	3 - 11
Max. feed flow / pressure vessel	< 650 l/h
Min. brine flow / pressure vessel	> 250 l/h
Max. dP / Element	< 0.5 bar
Max. dP / pressure vessel	< 1 bar
Maximum feed pressure	20 bar
Maximum feed temperature	35 ° C

The recommended design range means safe operational and design conditions under not so much fouling and scaling. If the elements are operated outside of the recommended design range, the effective membrane life may be reduced.

High flux operation (operation under high permeate flow rate per single element) on feedwater turbidity greater than 3 or 4 SDI15 generally results in frequent cleaning requirements.

Operating pressure should be selected to maintain the flux rate, or permeate flow rate per single element.

Both feed and brine water must meet pH range requirements during CIP.

Cleaning and sterilization must meet the recommendations in the Technical Bulletin.

Max. possible feed flow may be reduced when there is low possibility of fouling and scaling

Element(s) must be cleaned when pressure drop increases to 1.5 times of the initial value.

All ROPUR elements are produced by Toray Membrane Spain S.L. P.I. Can Verdalet, Calle B, 08490 Tordera, Spain.

Please contact Toray Membrane Spain at +34 937 64 2397, or fax to +34 937 64 2420 for further information

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