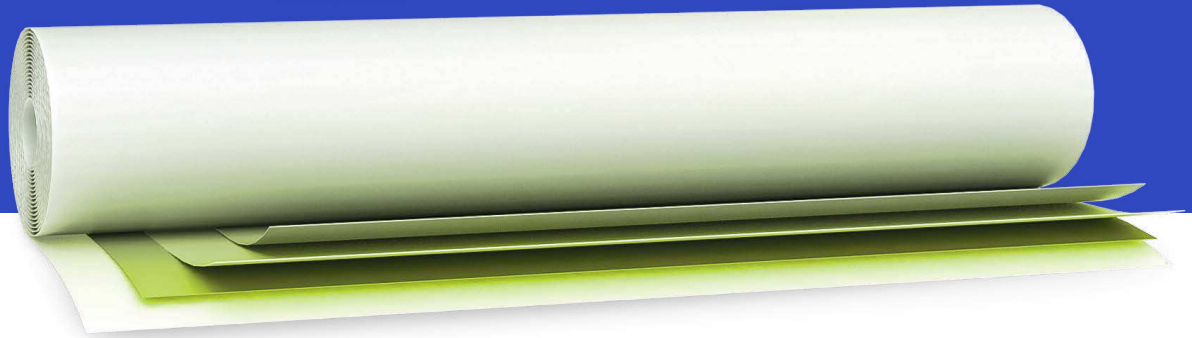


Aquaporin Inside® DWRO™ Flat Sheet

Drinking Water Reverse Osmosis



Revolutionary high water flow for efficient water treatment



High rejection of harmful pollutants ensures safe and healthy drinking water



Biomimetic product incorporating nature's water channels

PRODUCT TYPE

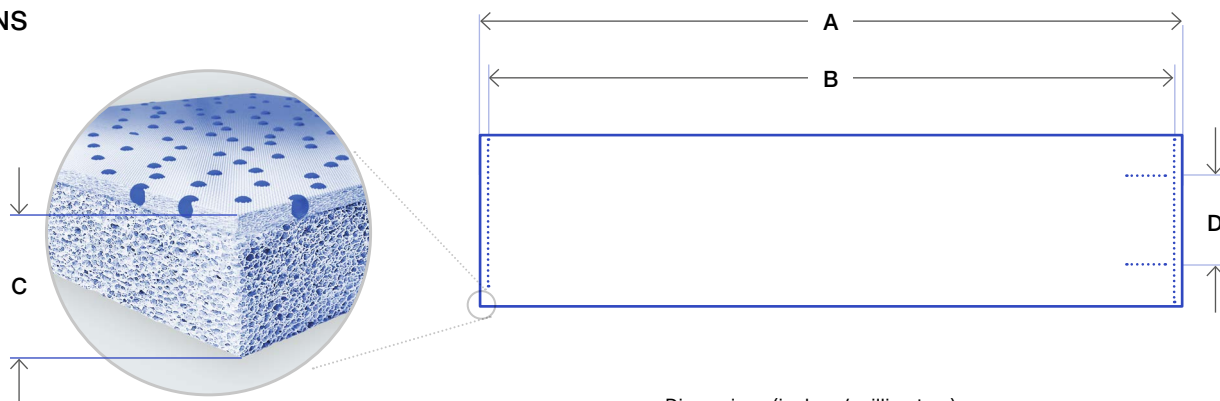
The Aquaporin Inside® Drinking Water Reverse Osmosis (DWRO™) flat sheet membrane is a biomimetic product that get its unique properties from their embedded aquaporin proteins, nature's water channels.

PRODUCT SPECIFICATIONS

Product name	Minimum permeability	Minimum NaCl rejection	Typical NaCl rejection
Aquaporin Inside® DWRO™ FS	9.5 L/m ² ·h·bar	95 %	97 %

Test conditions: 250 ±25 ppm NaCl solution at 25°C, 4.5 bar pressure and pH 6.5-7.0. The stated performance is collected after 30 minutes.

ELEMENT DIMENSIONS



Dimensions (inches / millimeters)				
	A	B	C	D
Product name	Flat sheet width (total)	Flat sheet width (useful)	Thickness (approximate)	Core diameter (outer / inner)
Aquaporin Inside® DWRO™ FS	52 inch	50 inch	110 μm (±10)	3.5 inch / 3 inch

Aquaporin A/S reserves the right to change specifications without prior notice. Surface and color variations may occur, but will not affect performance.

OPERATING SPECIFICATIONS

Maximum operating pressure	600 psi (41.4 bar)	Free chlorine tolerance	1 < 0.1 mg/L
Operating pH range	3-10 (25°C)	Maximum temperature	45 °C
Cleaning pH range	2-11 (25°C)		

ADDITIONAL INFORMATION

- ✓ Prior to use, store the membrane sealed in the original packaging away from sunlight and heat.
- ✓ The Aquaporin Inside® Reverse Osmosis Flat Sheet membrane must at all time be stored wrapped in black plastic film and stored in a dark, dry place. Storage area temperature maintained < 35°C.
- ✓ During shipping of the Aquaporin Inside® Reverse Osmosis Flat Sheet membrane, the temperature during transportation maintained < 40°C. If transportation period exceeds two (2) months, temperature must be maintained < 35°C.
- ✓ Membrane sheets should be handled with care by experienced users. The customer is fully responsible for the effects of incompatible chemicals on rolled elements.
- ✓ Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, Aquaporin A/S recommends removing residual free chlorine by pretreatment prior to membrane exposure.
- ✓ The information provided in this document is for informative purposes only. It is the responsibility of the user to ensure appropriate usage of this product. Aquaporin A/S assumes no obligation, liability, or damages incurred for the misuse of the product or for the information provided in this document. This document does not express or implies any warranty as to the merchantability or fitness of the products.

Aquaporin A/S
 Nymøllevej 78
 2800 Kongens Lyngby
 Denmark

Phone: +45 8230 3082
 sales@aquaporin.com
 aquaporin.com

Aquaporin Inside®