



Aquaporin Inside®

DWRO®
Drinking Water
Reverse Osmosis
Membranes

Revolutionizing water purification with nature

With Aquaporin's Drinking Water Reverse Osmosis (DWRO®) membranes, water flows unhindered, rides on waves, just as nature intended. Some might also call it surfing, a pleasure not exclusive to humans.

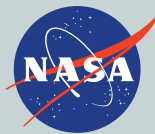
The Aquaporin Inside® DWRO® series is Aquaporin's line of drinking water reverse osmosis membrane products, including elements and flat sheets. Our membranes offer customers an exceptional competitive advantage with one-of-a-kind biomimetic technology, strong technical performance, and irresistible emotional appeal. **Leverage on these unique value propositions and get your purifier product differentiated in the market.**



Our unique stories — 3 Ns

Nature

Our membranes are the only ones in the world to use aquaporins – nature's own water filters – to purify water



NASA

We collaborate with NASA and ESA, who are testing our technology in space to expand the borders of water filtration here on Earth



Nobel

Our technology is based on Nobel Prize-awarded research, scaling-up from laboratory to industrial applications

A higher state of purity



Best-in-class permeability

Up to 40% higher permeability



European compliance standards

Ensure high-standard, safe drinking water



Great contaminant rejection

Reduce up to 99% of harmful compounds

Distinct products for diverse demands

DWRO®

Great water flux and rejection

Ideal for most replacement cases, such as for countertop and under-the-sink systems

DWRO® HR

High-rejection product

Provides solution for regions with high TDS water, such as India and the Middle East

DWRO® HF

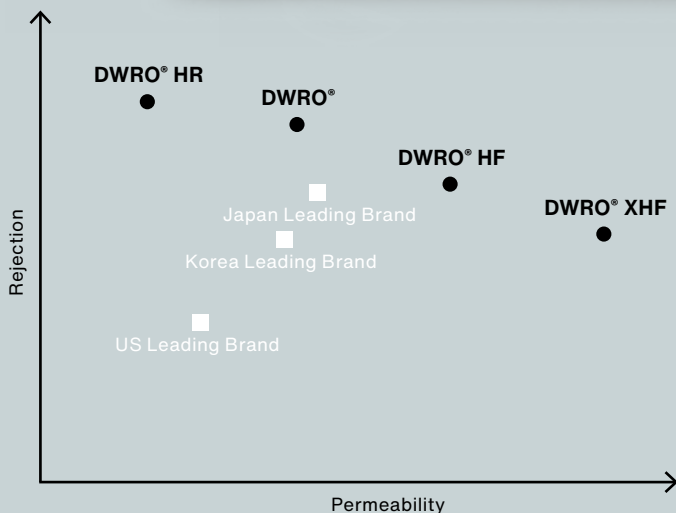
Superior flux and great rejection

New generation product, ideal for high flow tankless systems

DWRO® XHF

Super high flux product

Breakthrough technology, offers new opportunities in innovative purifier systems



Suitable for both residential and commercial solutions, the DWRO® products are ideal for:



Households



Restaurants



Hotels

With best-in-class permeability, excellent contaminant rejection, and compliance with European standards, our DWRO® membranes not only ensure clean drinking water but also opens the door for opportunities to develop innovative purifier products. Whether it is a more compact, high throughput system, or a quieter set-up that enhances the customer experience, leverage the DWRO® membrane offerings to push your products to new heights.

The Aquaporin Inside® DWRO® products offer a strong technical performance, distinguishing themselves from international leading brands with superior contaminant rejection and permeability.

Take ownership of your product development



Plug 'n' Play Elements

Aquaporin offers a range of off-the-shelf products ready for direct installation in a variety of systems. The DWRO® elements are available in both standard and customised sizes.



Flat Sheet

Prefer to produce your own elements? Let us provide the membranes. We will support you in every step of your journey with technical expertise and a tailored partnership.

DWRO® Standard Elements

Product name	Product performance			Test conditions	
	Permeate flow rate	Typical salt rejection	Minimum salt rejection	Applied pressure	Recovery
Aquaporin Inside® DWRO® HR 1812-75	75 GPD (11.8 L/h)	99.2%	98.0%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® HR 1812-100	100 GPD (15.8 L/h)	99.2%	98.0%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® 1812-150	150 GPD (23.7 L/h)	99.0%	97.5%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® 1812-175	175 GPD (27.6 L/h)	98.0%	96.5%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® 1812-200	200 GPD (31.5 L/h)	97.0%	95.0%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® 1812-225	225 GPD (35.5 L/h)	97.0%	95.0%	60 psi (4.1 bar)	15%
Aquaporin Inside® DWRO® HR 3012	400 GPD (63.1 L/h)	99.0%	98.0%	80 psi (5.5 bar)	40%
Aquaporin Inside® DWRO® 3012-500	500 GPD (78.9 L/h)	98.0%	97.0%	80 psi (5.5 bar)	40%
Aquaporin Inside® DWRO® 3012-600	600 GPD (94.6 L/h)	97.0%	96.0%	80 psi (5.5 bar)	40%
Aquaporin Inside® DWRO® 3012-700	700 GPD (110.4 L/h)	96.5%	94.0%	80 psi (5.5 bar)	40%

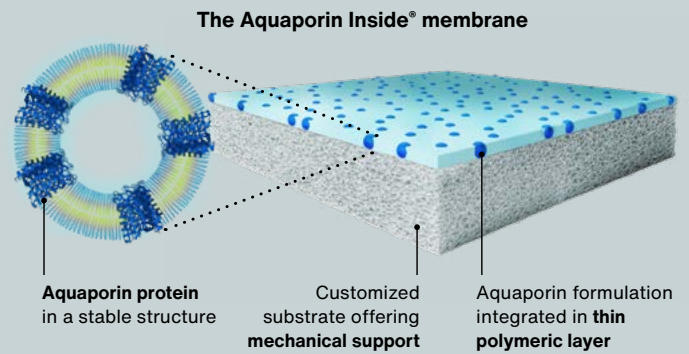
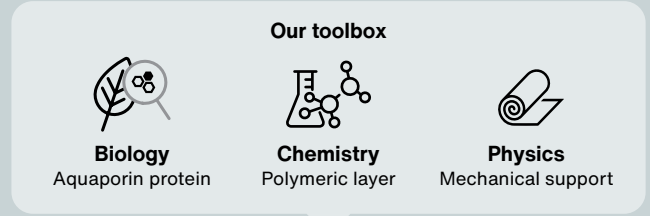
The stated product performance is based on 250 ppm NaCl solution at 25°C (77°F). Permeate flow rates and typical salt rejections are stated after 24 hours of stabilization. Individual element permeate flow rate may vary -15%/+20%.

For more information on the DWRO® flat sheet membranes, please contact an Aquaporin representative.

A superhighway for water

Our core technology

Aquaporin proteins are specialized water channels found in the cell membranes of all living organisms, from plants and animals to humans. Without aquaporins there would be no life on Earth. These proteins efficiently and selectively transport water in and out of cells, having evolved over billions of years to perform this function like a superhighway for water. One gram of aquaporins can filter 700 liters of water per second. Our technology harnesses this natural efficiency, incorporating aquaporins into the DWRO® membranes to produce fast, efficient, and high-flow water filtration products that provide high-quality drinking water.



Leverage our unique branding to your advantage

When you choose Aquaporin's DWRO® membranes, you unlock the power of our unique branding and storytelling to enhance the promotion of your purifiers, giving you the edge you need to differentiate yourself in the market.

By adopting our branding, you gain access to:

- A strong core technology that unifies biology, chemistry, and physics.
- A remarkable connection to nature, stemming from a Nobel Prize-awarded discovery, and to NASA.
- A Danish technology and a brand with an international vision.
- Extensive media coverage of the Aquaporin Inside® brand through our collaborations with prestigious global partners including universities, industry leaders and influencers, and many others.

Our partners

VESTEL



Aquaporin company

We are committed to rethinking water filtration with biotechnology.

One core technology

Aquaporin Inside® applied in multiple applications and industries.

Three main business areas

Products and solutions for select applications in Drinking Water, Industrial Water, and Food & Beverage.

Biotech × Engineering

With 14 patent families and a strong innovative mindset, we merge biotech and engineering to deliver solutions to water and process applications.

Global solutions

From Denmark to the world, Aquaporin's technology has no borders. We work with customers on all continents.

Aquaporin has operations in: Denmark (HQ), Singapore, Turkey, China, and The United States.



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Aquaporin Inside®