

AQP HFFO2

The **Aquaporin Inside™** technology is based on the aquaporin protein – Nature's own selective and extremely effective water channel. Aquaporin water channels have been developed through billions of years of evolution, and are now ready to revolutionise industrial water treatment.

Aquaporin Inside™ membranes are protected by several issued and pending patents. Please visit www.aquaporin.dk/patents for updated information.

PERFORMANCE SPECIFICATIONS

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|------------------------------|---|
| Test conditions: | 60 L/h flow speed in lumen; 25 L/h flow speed on shell side DI vs. 1 M NaCl (FO mode, TMP: 0,2 bars (feed to draw)) Single pass |
| Water flux: | > 12 l/m ² /hr |
| Specific Solute Flux: | < 0.3 g/l (draw solution loss per liter of output) |

MODULE SPECIFICATIONS

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| Aquaporin Inside™ coating: | On lumen side of fiber |
| Active area (lumen side/shell side): | 2.3 m ² |
| Inner diameter of fibers: | 195 µm |
| Wall thickness | 35 µm |
| Housing Material | Polycarbonate |
| Module dimensions: | 300 mm long; 70 mm in diameter |
| Module connections: | Lumen: ¼" (6.4mm) threaded female Luer |
| Process recommendation: | A pre-filtration of the solution to be applied to the lumen side of the fibers is recommended. Particles might damage the fibers and possibly cause a decrease in performance. |
| Shelf life: | Minimum 6 months |
| Storage: | Can be stored at room temperature, but preferred storage at 4°C. Flush the module on lumen side with clean water for ≥30 min after use (shell side connections open). Do not allow module to run dry as this will compromise module performance. |
| Packaging: | Aquaporin Inside™ hollow fiber modules are 100% tested, then filled with MilliQ water and sealed. The module is mechanically robust and is suitable for transport without additional packaging. |

This Aquaporin Inside™ membrane is a test membrane and is for experimental use, only. The product is delivered non-sterile and has not been approved for any use in relation to products for human consumption, including food applications personal care products and medical products.
The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.