

# Super Permeable Ultrafiltration - Hy2F<sup>®</sup> on backed PES Membrane

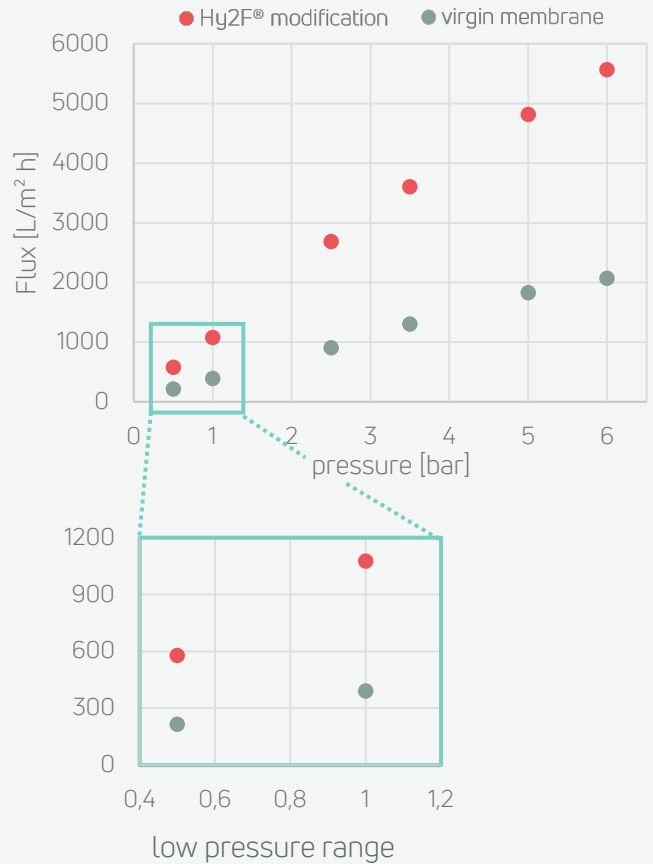
## Water Supply & Wastewater

The provision of clean water is heavily linked to the supply of electric energy. With a rising number of extreme climate events, and water-stress situations occurring more frequently, water management remains one of the biggest challenges for industry and municipalities, and society in general.

qCoat continues to generate unique solutions for enhanced membrane performance. Hy2F<sup>®</sup> is an innovative permanent coating, designed to improve membrane filtration processes.

Through modification of the membrane by **superhydrophilization**, a higher flux is established with the same or lower energy demand.

## Double Flow Rate Membranes



## Advantages



increase in permeation +175%



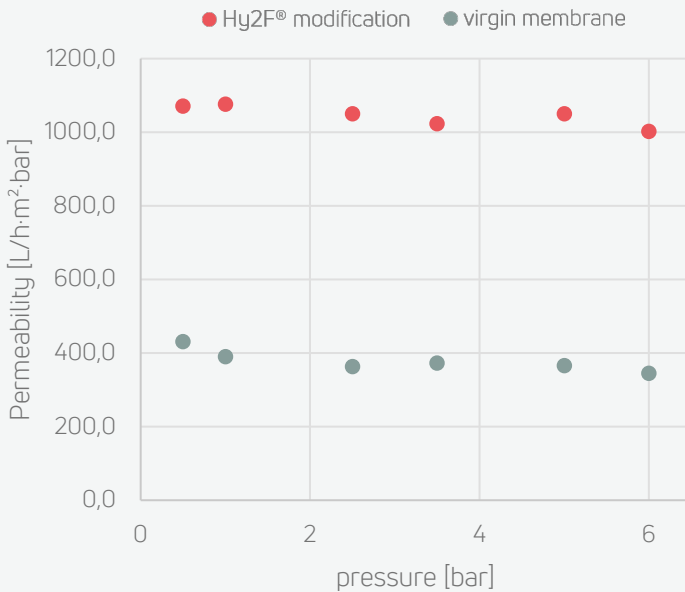
reduced energy demand



effective at low pressure ranges (MBR)

# Super Permeable Ultrafiltration - Hy2F<sup>®</sup> on backed PES Membrane

## High Permeability



## Additional Advantages



Membrane footprint -50%



No change in MWCO



Eco-friendly processing



Lower OPEX

Ecofriendly Hy2F<sup>®</sup> functionalization of an ultrafiltration PES membrane shows enhanced performance in permeation over a pressure range from 0.5 to 6 bar in comparison to the unmodified membrane. The membrane's structure, molecular-weight cut-off and fouling tendency remain unaffected.

## Contact Us Today

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