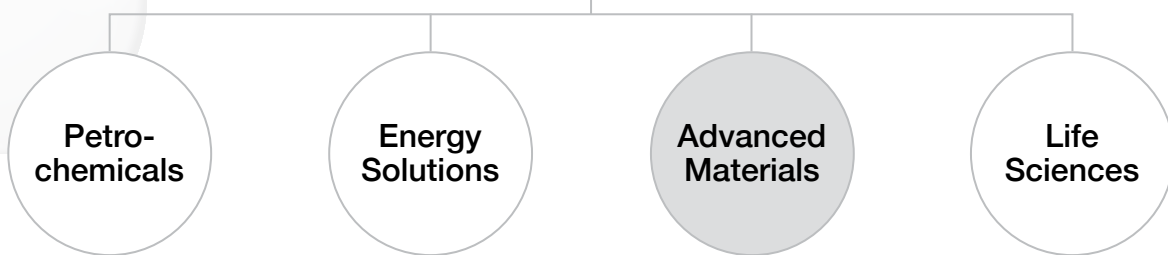


LG Water Solutions

Seawater, Brackish Water
RO Membranes
Application Flyer



LG Water Solutions



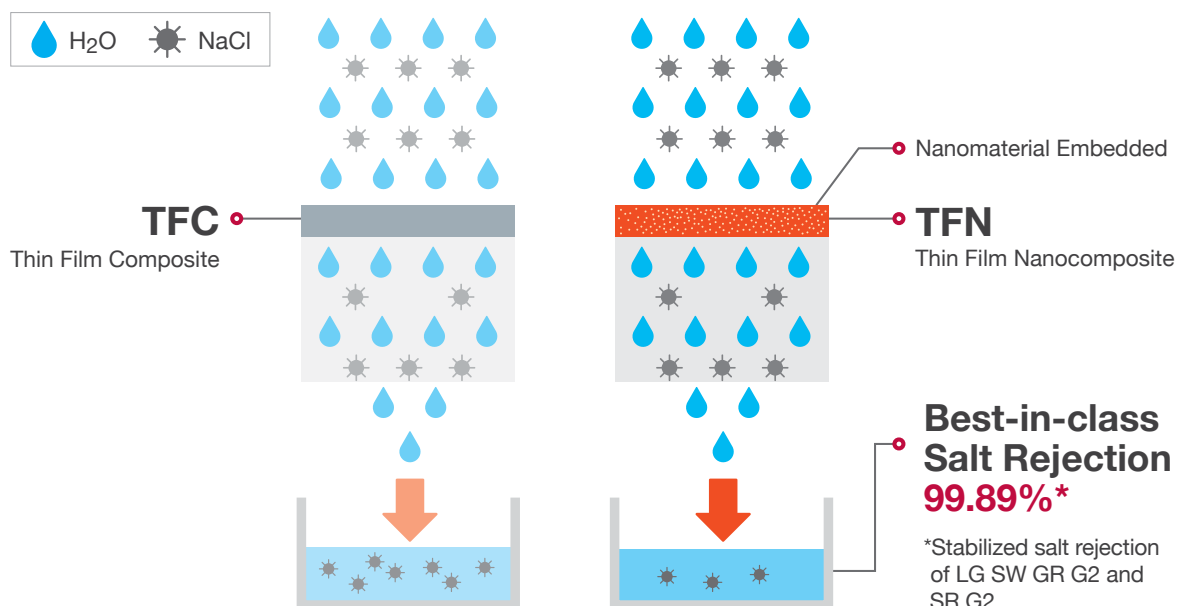
LG Water Solutions

Nano:H₂O[™]

LG Chem manufactures the full line of NanoH₂O[™] seawater and brackish water reverse osmosis (RO) membranes based on innovative Thin Film Nanocomposite (TFN) technology. We are constantly evolving and have had great success in winning large desalination projects and continue to strengthen market leadership for seawater RO. Beyond SWRO, our BWRO products have already proven their performance and quality that have led to repeat customers.

Technology

Thin Film Nanocomposite (TFN) technology improves membrane performance by embedding benign nanoparticles in the surface of the membrane. This innovative technology increases membrane flux without compromising salt rejection.



Seawater RO Membranes

Overview

LG Chem's NanoH₂O™ seawater RO membranes, incorporated with innovative Thin Film Nanocomposite (TFN) technology, reduce the cost of desalination while delivering superior water quality. LG seawater RO membranes provide industry leading salt rejection and produce 20% more flow than membranes manufactured with conventional technologies. We continue to leverage the technological advantages of our seawater RO membranes to expand the market share accruing more than 1,000 Million Liter per Day (MLD) projects backlog for the last two years.



LG SW SR, GR, R | High Rejection Membranes

Well suited for high feed TDS and high permeate quality requirements



LG SW ES | Energy-Saving Membranes

Well suited for low feed TDS and low temperature seawater applications



LG SW GR G2, SR G2

The next generation membranes with industry-leading 99.89% rejection

Brackish Water RO Membranes

Overview

LG Chem's NanoH₂O™ brackish water RO membranes serve various municipal and industrial applications and have been operating in the major utilities around the world. Incorporating innovative Thin Film Nanocomposite (TFN) technology, all LG BWRO membranes provide superior performance along with intrinsic anti-fouling property and are suitable for applications where consistent and reliable performance is a must.



LG BW R G2

Superior Rejection,
High Flow, High Durability

LG BW AFR

Anti-Fouling, High Rejection

LG BW R

High Rejection

LG BW ES

Energy Saving

LG BW R Dura

High Rejection, High Durability

LG BW ES L

Energy Saving
Equipped with fouling tolerant low
dP spacer technology

LG BW UES

Ultra Low Energy