



Solutions you need. Technologies you trust.

Brackish Water
Reverse Osmosis
Membrane Elements



CPA High Rejection Membrane

CPA (Composite Polyamide) elements set the standard for RO membrane elements – over 600 million gallons per day of pure water are produced by CPA elements for global municipalities and industries. 4” and 8” configurations available.

Advantages

- 99.7% nominal rejection
- High TOC, silica and hardness rejection

Applications

- Desalting of well waters – municipal drinking water
- Reducing TDS prior to ion exchange
- Boiler make-up water
- Ultrapure water for semi-conductor manufacture

Product Offering*

CPA2, CPA3, CPA5-LD (low colloidal and biological fouling)

ESPA® Ultra Low Pressure Membrane

ESPA® (Energy Saving Polyamide) elements achieve high flux/lower pressure without compromising standards for high rejection. Since its introduction in the late 1990s, the ESPA® membrane has gained wide acceptance in the water treatment industry due to the significant operational cost savings associated with their use. 4” and 8” configurations available.

Advantages

- Up to 99.6% nominal rejection
- Lower pressure for lower CAPEX/OPEX

Applications

- Municipal potable and wastewater plants
- Bottling operations
- Light industrial

Product Offering*

ESPA1, ESPA2, ESPA2 MAX, ESPAB (high boron rejection), ESPAB MAX, ESPA2-LD (low colloidal and biological fouling), ESPA4

LFC® Low Fouling Membranes

LFC® (Low Fouling Composite) elements combine neutral surface charge and hydrophilicity, providing significant reduction in fouling rates and increasing membrane efficiency by restoring nominal performance after cleaning.

Advantages

- 99.7% nominal rejection
- Low fouling membrane chemistry reduces or eliminates pre-treatment
- LD technology increases brine spacer thickness for reduced differential pressures
- Lower cleaning frequency and costs

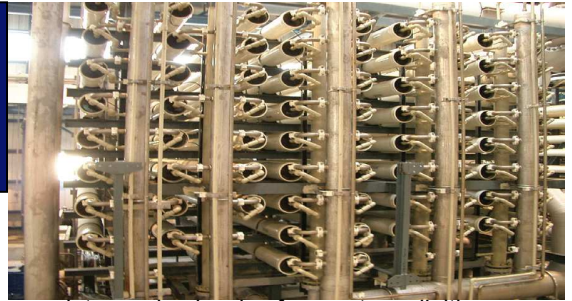
Applications

- Municipal/Industrial surface and wastewaters
- Difficult feedwaters requiring significant pretreatment

Product Offering*

LFC3-LD (Low organic, colloidal and biological fouling)

Seawater Reverse Osmosis Membrane Elements



SWC®

Seawater Membranes

SWC® seawater desalination elements offer the highest levels of salt rejection and a consistently pure end product. Membrane formulations are designed to accommodate varying levels of seawater salinities worldwide with reliable field-proven performance. 4" and 8" configurations available.

Advantages

- 99.8% nominal rejection
- Up to 9,900 gpd
- Highest combination flow, rejection and boron rejection (SWC5 Max)
- Up to 440ft² active membrane area

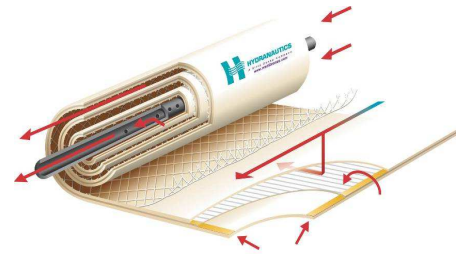
Applications

- Seawater desalting
- Broad offering of membrane formulations designed to accommodate varying levels of seawater salinities worldwide

Product Offering*

SWC4+, SWC4 MAX, SWC4B (high boron rejection), SWC4B MAX, SWC5 (optimal flow and rejection), SWC5 MAX, SWC5-LD (low biological and colloidal fouling), SWC6 (high flow), and SWC6 MAX

Brackish Water Nanofiltration Membrane Elements



ESNA®

Energy Saving Nanofiltration Membrane

ESNA® (Energy Saving Nanofiltration) elements provide 50% - 91% salt rejection with ultra-low operating pressures (below 100psi), and are ideal for softening applications and the removal of pesticides, bacteria or viruses. 4" and 8" configurations available.

Advantages

- Up to 91% nominal rejection
- Optimum hardness rejection
- Effectively removes organics
- Ultra-low pressure, energy saving, lower OPEX

Applications

- Municipal water treatment

Product Offering*

ESNA1-LF, ESNA1-LF2, NANO-BW, NANO-SW

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Distributed By:

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