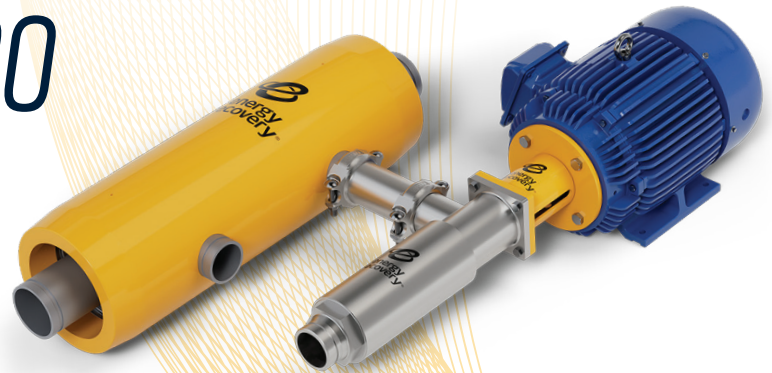


PX[®] PRESSURE EXCHANGER[®] COMBO

PX plus HP booster pump in one
matched energy recovery solution
for SWRO systems



The PX Combo pairs the PX Pressure Exchanger, the most widely adopted energy recovery device in reverse osmosis, with the HP high-pressure booster pump in a single, purpose-built package. Together they form one highly efficient solution for seawater RO applications where space is at a premium.

Sized for brine flow capacities from 45 to 300 gpm (10 to 68 m³/h), the PX Combo integrates into new builds, modular and containerized plants, and retrofits of any legacy ERD.

A Complete, Simple & Flexible Solution

The PX Combo delivers a single-source pairing of the PX Pressure Exchanger and HP booster pump in one matched system, with a smaller footprint and fewer parts than equivalent solutions.

Because the PX and HP booster pump are sized and paired as a single unit, designers specify one part number rather than engineering two products to work in series.

The system requires only 20 micron filtration, compared to 5 micron for competing equipment. All major components are corrosion resistant and standardized with Superduplex or better materials. A lightweight design reduces weight by up to 50% versus competitive solutions.

Multiple configurations accommodate various system designs and arrangements, and the PX Combo pairs directly with Energy Recovery high-pressure pumps such as the CPXP™ axial piston pump. For higher flow demands, parallel configurations provide scalability.

BENEFITS*

- **Highly Efficient:**
 - Offers a significant reduction in energy consumption
 - Highest efficiency ERD solution available
- **Flexible:**
 - Compact footprint for containerized, modular, and decentralized plants
 - Retrofit-ready for any existing ERD or no-ERD systems
 - No extra instrumentation required
 - Multiple configurations available
- **Reliable**
 - Superduplex or equivalent material
 - 20-micron filtration

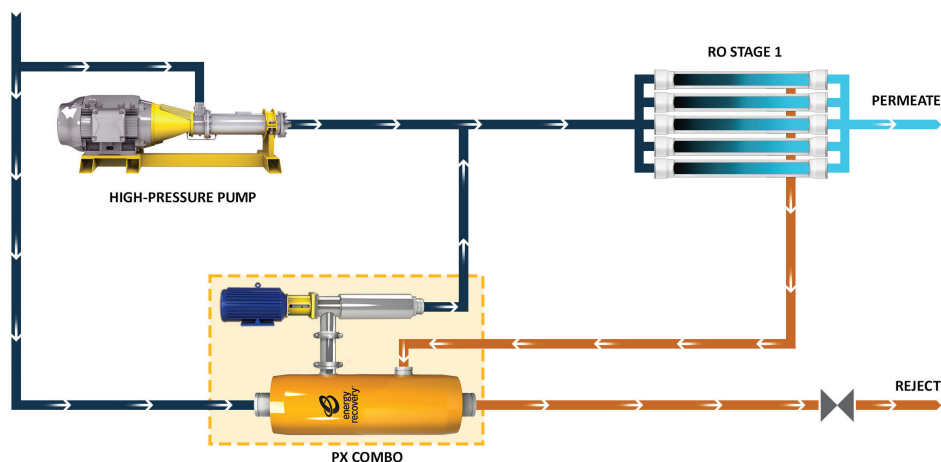
*Actual results may vary.





One Combined Solution For New RO System Builds and Retrofits

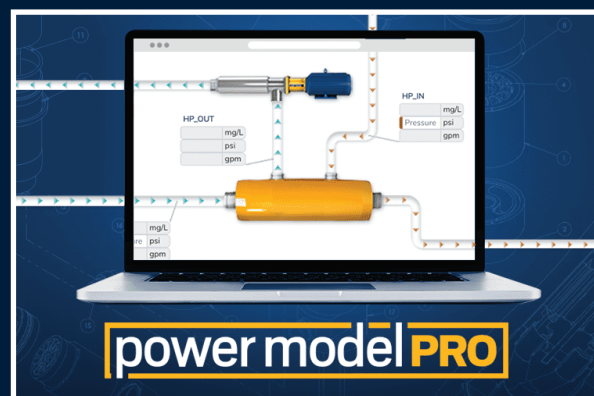
Inside the PX Combo, the PX Pressure Exchanger transfers hydraulic energy directly from the high-pressure brine stream to the low-pressure feed stream. The matched HP booster pump then brings the feed stream up to membrane pressure. Because the PX and HP booster are designed to work together, the PX Combo can replace any legacy ERD configuration or be specified into a new train without third-party integration.



DESIGN IT IN POWER MODEL PRO

Power Model Pro is a secure, easy-to-use cloud-based product configurator tool that allows you to project energy savings and performance for pump and energy recovery device selections such as the PX Combo.

To register, visit energyrecovery.com/resources/power-model-pro.



Energy Recovery (Nasdaq: ERII) designs and manufactures world-class energy-saving technology for critical infrastructure that communities rely on every day, driving a more resilient and sustainable future. Grounded in more than 30 years of leadership in the desalination industry, today we use our proprietary pressure exchanger technology to help customers in multiple industries improve their operations and lower their emissions. Headquartered in the San Francisco Bay Area, we operate manufacturing and R&D facilities throughout California, with sales and on-site technical support available globally. For more information, please visit www.energyrecovery.com or email desalsales@energyrecovery.com.