

# HIGH-PRESSURE ENERGY RECOVERY SOLUTIONS WITH THE PX Q SERIES

Optimize your desalination or wastewater treatment for sustainability and energy efficiency

## Leading PX® Pressure Exchanger® Performance

Energy Recovery's PX Pressure Exchanger Q Series is a range of energy recovery devices that optimize high-pressure seawater reverse osmosis (SWRO) and wastewater treatment systems over various flow ranges for maximum energy savings of up to 60%. Our leading pressure exchangers include the gold standard PX Q400, which delivers best-in-class performance and efficiency with low operational sound levels.

The PX Q Series of energy recovery devices delivers industry-leading uptime and energy savings, is designed for flexible operation, and can be paired with Energy Recovery's high-pressure pumps and circulation pumps to maximize efficiency and operational savings.



### BENEFITS\*

#### Highly Efficient:

- Peak efficiency of 98%, optimized for a wide range of pressure levels up to 83 bar (1,200 psi)
- Operates with concentrate flow from 4.5–90.9 m<sup>3</sup>/h (20–400 gpm)

#### Reliable:

- Industry-leading 30-year design life and 99.8% uptime

#### Quiet Performance:

- Operates at low sound levels

#### Low Mixing:

- Low volumetric mixing, including our PX Q400 which offers <3% volumetric mixing, resulting in higher system performance

\*Actual results may vary.

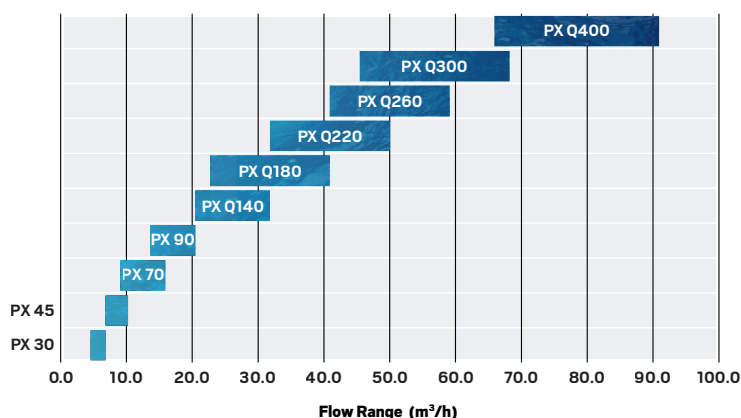




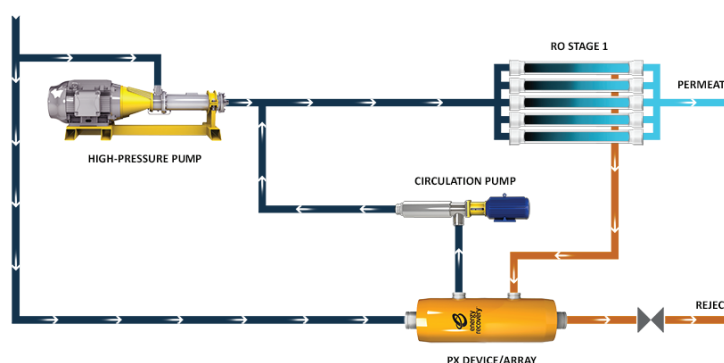
## Reducing Energy Costs in Desalination and Wastewater Treatment

Energy Recovery's PX Q series recycles the wasted pressure energy from the concentrate stream of the SWRO or wastewater treatment plant and returns that pressure energy back to the system, reducing overall energy costs.

PX Q Series Flow Rates



PX Q Series Integration\*

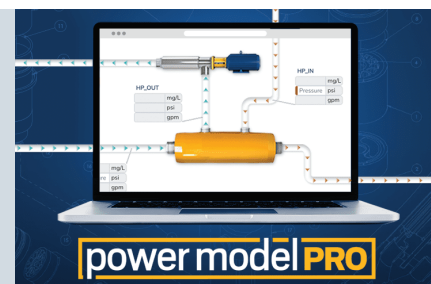


\*Example PX Q Series integration design. Actual configurations may vary.

### POWER MODEL PRO

Power Model Pro is a secure, easy-to-use cloud-based product configurator tool that allows you to optimize the hydraulic pumping system of a reverse osmosis system using our products.

To register, reach out to your sales representative or contact us at [www.energyrecovery.com/contact](http://www.energyrecovery.com/contact).



## Energy Recovery - Optimizing Energy, Maximizing Savings

Energy Recovery (Nasdaq: ERII) is a trusted global leader in energy efficiency technology for the water treatment industry. Building on our gold-standard pressure exchanger technology platform, we design and manufacture reliable, high-performance solutions that generate cost savings, increase energy efficiency, and reduce carbon emissions across desalination, wastewater treatment, and other water treatment applications. With a strong foundation in desalination, Energy Recovery has delivered transformative solutions that increase operational efficiency and provide a positive environmental impact to water producers worldwide for more than 30 years. Headquartered in the San Francisco Bay Area, Energy Recovery has manufacturing and R&D facilities in California, with sales and on-site technical support available globally.

For more information, please visit [www.energyrecovery.com](http://www.energyrecovery.com) or contact us at [www.energyrecovery.com/contact](http://www.energyrecovery.com/contact).