

PX PRIME

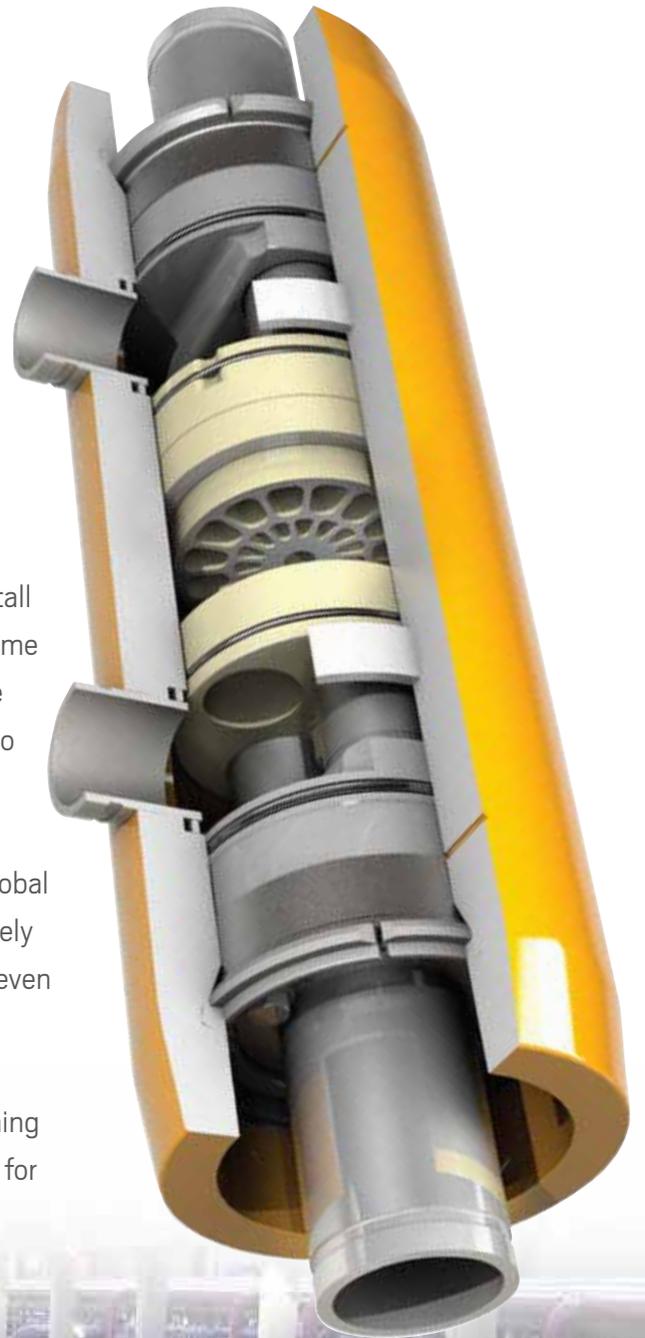
Pressure Exchanger

The Industry's Best Energy Recovery Solution, Risk-Free

The PX Prime™ will be the first PX Pressure Exchanger customers can install without any upfront capital expenditure. It will be available through the Prime Energy Service Agreement, which will guarantee performance, and provide the necessary installation and aftermarket support. It's never been easier to use the best energy recovery technology on the market.

Over two decades, Energy Recovery has earned a leading position in the global water market. Our groundbreaking PX Pressure Exchanger is the most widely used energy recovery device in the world. With 17,000 installations over seven continents, our technology saves customers \$1.7 billion annually.

The PX Prime is the latest advancement in Energy Recovery's award-winning Pressure Exchanger line, and is the most advanced energy recovery device for desalination available. We have engineered the PX Prime to perform with enhancements across a variety of factors.



Less Mixing

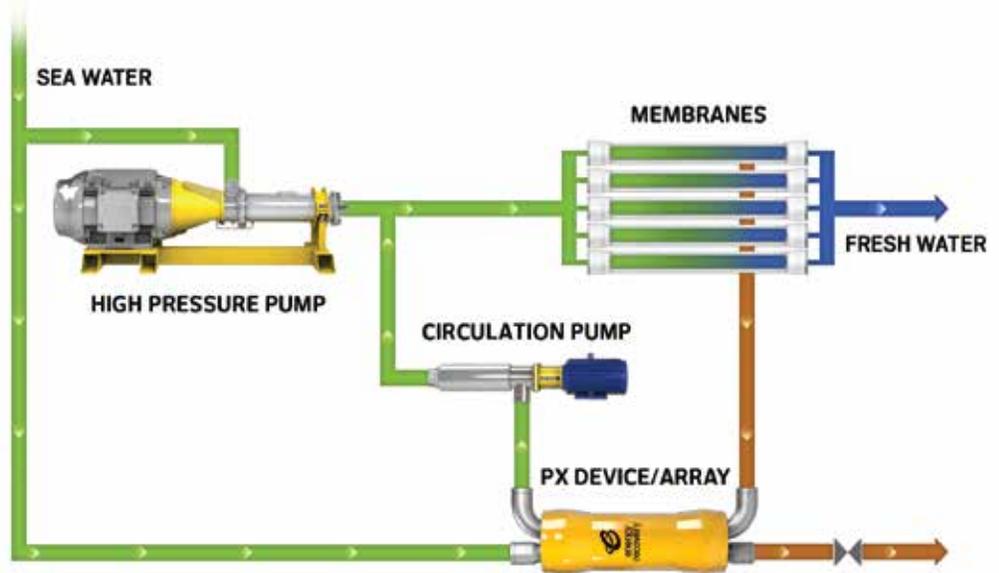
The fluid-to-fluid energy transfer in the PX Pressure Exchange requires a minimal amount of mixing. With the PX Prime, that mixing has been further reduced.

Increased Capacity

While the PX Prime will be roughly the same size as the PX-Q300, it will accommodate greater capacity than our previous models.

Industry Leading Efficiency

Our Pressure Exchangers offer unparalleled efficiency for energy recovery devices, and this value remains a core benefit of the PX Prime.



How the PX Pressure Exchanger Works

The PX Pressure Exchanger captures hydraulic energy from the high pressure reject stream of seawater reverse osmosis processes and transfers this energy to low pressure feed water. Our PX devices have only one moving part, and are made of a high purity, aluminum oxide ceramic that's corrosion-proof, three times more abrasion-resistant than steel. Because the PX consumes no electrical power, the overall energy consumption of the seawater reverse-osmosis process is significantly reduced.



PX Prime Benefits

- First PX available with no upfront costs
- Less fluid mixing
- Greater capacity
- Industry leading efficiency

