



PRESS RELEASE

FOR IMMEDIATE RELEASE

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ERI Introduces New PX® Technology with the PX-260 and PX-30S Energy Recovery Devices

San Leandro, Calif., December 19, 2007, Energy Recovery, Inc. (ERI®) is proud to announce the newest additions to the PX® Technology product line: the PX- 260 and the PX-30S.

The PX-260 is ERI's largest commercially available energy recovery device and the new flagship of the PX Pressure Exchanger® family of products. It handles brine flow rates of 50 to 59 m³/hr (220 to 260 gpm) – nearly 20% greater capacity than ERI's former largest device. Arrays of PX-260 devices serve reverse osmosis (RO) trains with permeate flows from 850 cubic meters per day (224 thousand US gallons) up to the largest being designed: 25,000 cubic meters per day (6.6 million US gallons) and more. Similar to PX-180 and PX-220 devices, the PX-260 is designed to provide up to 98% efficiency. However, with its higher device capacity, fewer units are needed on a manifold. The PX-260 has been successfully beta tested for over two years and is in full production.

The new PX-30S Pressure Exchanger device is ERI's smallest energy recovery unit, designed to handle brine flows from 4.5 to 6.8 m³/hr (20 to 30 gpm) for RO plants with permeate capacities of 100 to 360 cubic meters per day (26 to 95 thousand US gallons/day). It operates with efficiencies over 96% and with less than 3% mixing at the membrane feed. This performance is similar to larger PX devices, making the PX-30S ideal for pilot plants as well as mobile marine units. In addition, it contains new features that allow it to operate with relaxed process flow controls. The PX-30S is fully tested and in production.

Similar to other PX products, at the core of each PX-260 and PX-30S unit is a tough, engineered ceramic cartridge with only one moving part that automatically adjusts to process flow variations. Efficiency and mixing are the same at all flows. The simple elegant design requires no artificial intelligence or adaptive control schemes to operate. Arrays of devices have built in redundancy, operating in parallel to service larger systems.

With this latest product introduction, ERI continues to offer the simplest, most reliable approach to isobaric energy recovery available today. Currently, ERI's patented PX technology is making cost-efficient desalination of seawater possible in over 30 countries world-wide, covering five continents.

For specific performance information, please view the technical documentation on ERI's website: www.energyrecovery.com. For sales or technical inquiries, please contact a member of the ERI team by email at sales@energy-recovery.com or by phone at +1 (510) 483-7370.

About ERI® and the PX®

Energy Recovery, Inc. (ERI) is the global leader in high efficiency energy recovery products and technology. Our PX Pressure Exchanger® (PX) energy recovery device is making desalination affordable. The PX device is rotary positive displacement pump that recovers energy from the high-pressure waste stream of SWRO desalination systems at up to 98% efficiency with no downtime or scheduled maintenance. Since its introduction in 1997, PX technology has emerged as the industry standard solution for SWRO desalination. There are currently over 6,130 PX units installed or contracted in SWRO plants worldwide, significantly reducing the cost to produce over 5.2 million cubic meters of fresh water per day, and saving customers an estimated 580 MW of energy or over \$400 million a year in operating costs.

ERI's headquarters is situated in the San Francisco Bay Area; San Leandro, California USA with offices in every continent of the globe including: Sunrise, Florida; Madrid, Spain; Abu Dhabi, UAE; Shanghai, China; and service representatives in Sydney, Australia.

For more information, please go to www.energyrecovery.com.
