energy recovery™

Desalination Product and Applications Catalog 2013

Advanced Technologies for Seawater Reverse Osmosis and Brackish Water Applications

FLUID INNOVATORS.™

energy recovery™

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ENERGY RECOVERY: REDEFINING ECO-NOMICS

Fresh water is a finite and vulnerable resource, essential to sustain life, economic development and the environment. Population growth and changes in climate have created an increasing demand for fresh water around the world–water for consumption, water for irrigation in food production, and water for industrial processes is needed more than ever before.* Yet fresh water supplies are mostly fixed–other than seasonal variations–and can't meet the growing need.

Desalination of ocean and brackish water is a forward-looking solution to global climate change and clean water shortages. As energy recovery innovators, we've worked hard to pioneer technologies that make desalination both economically viable and environmentally sustainable without jeopardizing plant productivity. For more than a quarter of a century, our systems have revolutionized the water industry and have become the preferred technology for desalination projects–large and small–around the world.

Every day, our technologies produce more than 10 billion liters or 2.5 billion gallons of clean water. In the process, massive amounts of fluid and pressure are recycled into reusable energy that would otherwise be wasted–at the highest guaranteed efficiencies and availability possible. We have over 14,000 energy recovery devices in the world's largest plants operating globally. These devices cut billions of kilowatt-hours of energy expenditure annually, which in turn saves our clients over $1 billion a year.

At Energy Recovery, our day-to-day focus is on creating best-in-class energy recovery devices and high-pressure pumps that make processes more productive, profitable and environmentally cleaner for our customers. Moreover, we are committed to continuous innovation, always planning for the future of our products and our business. We consider not only the initial efficiency of the equipment, but also its long-term performance and reliability. We guarantee that when you partner with us, you will save energy, and stay ahead of the technology curve.

Environmental responsibility and increased profits can—and should—go hand in hand. We don't have to compromise. Energy Recovery innovations are good for the planet and our competitive position in the global economy.

* Source: The Global Desalination Market, 2012-2022 ©VisionGain

Leading With Energy Recovery Devices

Overview of Water Product Solutions and Systems

We've invested years in research and development as well as millions of dollars to build the most efficient energy recovery devices available today. From high-alloy stainless steels and exotic metals to the synthesis and precision machining of highly engineered ceramics, our technologies are an ingenious blend of scientific and economic ingenuity that make reusable energy recovery possible.

Our scientists and engineers are highly skilled in the manufacturing processes required for energy recovery. Moreover, our operation is nimble. We house research, development, and manufacturing under the same roof, allowing us to incubate and accelerate the launch of next-generation products with speed, precision, and integrity unmatched in the industry.

This edge helps us develop technologies that outlast the plants in which they are installed. We put all of our units through rigorous in-house testing, simulating operation in the field under intense conditions. As a result, our solutions can withstand the harshest environmental wear and operate at high efficiency, even after extended periods of use.

Our process ensures that we deliver versatile solutions to meet the demands of any size water project or environment. Our flagship PX technology is the most efficient and reliable desalination solution on the energy recovery market. In addition, our TurboCharger hydraulic turbine energy recovery devices offer substantial savings and unparalleled quality to mitigate upfront capital (or equipment) costs. When combined with our family of pumps, these isobaric and centrifugal energy recovery devices offer the highest efficiency solutions on the market.

AL SHUAIBAH, SAUDI ARABIA

INGENIOUS ENGINEERING. INNOVATIVE TECHNOLOGY.

PX Pressure Exchanger Energy Recovery Devices

Isobaric energy recovery devices are the most efficient solution for membrane desalination today. Our award-winning PX family of products is unmatched in the industry and has been widely adopted around the world for seawater desalination projects both large and small. From Algeria to Australia, more than 14,000 PX energy recovery devices are currently deployed or under contract to be installed at desalination plants around the globe. **Here's why:**

Advanced technology that's smart and elegantly simple.

Our PX devices have only one moving part. Their core is made of a high-purity aluminum oxide ceramic that's cor¬rosion-proof and provides unmatched durability. It's three times harder than steel. The simplicity and modu-larity of this design allows for optimum scalability, quick startup and no required maintenance. The PX captures hydraulic energy from the high-pressure reject stream of seawa¬ter reverse osmosis processes and transfers this energy to low-pressure feed water with a peak efficiency of over 98%. Because the PX itself consumes no electri-cal power, the overall energy consumption of the seawa-ter reverse osmosis process is drastically reduced.

Highest Availability.

Just one day of unplanned downtime per month can cost plant operators millions in lost revenue over the lifetime of the plant. It is impossible to break the PX, even after rounds of destructive testing. No matter how much of a beating we give our product, its mechani-cal integrity is essentially unchanged. Energy recovery devices that have been retrieved from the field after years of operation had no changes in perfor¬mance. The PX will never be responsible for unplanned downtime at your plant. Many of our devices have been in operation for as long as 12 years with no downtime.

Where Design Meets Economics.

Debris, temperature, and corrosive chemicals cre-ate a challenge that most engineering materials can't with¬stand. Our ceramic technology surpasses the long-life durability required in harsh industrial environ-ments–upwards of 25 years. PX devices save hundreds of millions of dollars through energy reductions and maximum uptime. They are proven to sustain many years of faultless operation in harsh and often chang-ing envi¬ronments, giving you higher productivity and unbeatable reliability. In fact, they work so well, there's virtually no scheduled maintenance.

Supreme Flexibility.

The PX requires a much smaller high-pressure pump than what is typically used by conventional technology. Even more crucial, PX technology disassociates the high-pressure pump from the energy recovery device. These two factors combine to give you much more flexibility in optimizing train sizes and selecting the best high-pres¬sure pump for your project. Retrofitting existing plants with PX energy recovery devices can reduce the power consumption of existing systems by as much as 60%.

The PX Family At a Glance

Constant high efficiency over entire operating range.

Highest Availability

- Zero scheduled maintenance
- 99.8% uptime with zero unplanned downtime
- Designed for 25-year life with unmatched ROI

Advanced technology that's smart, and elegantly simple.

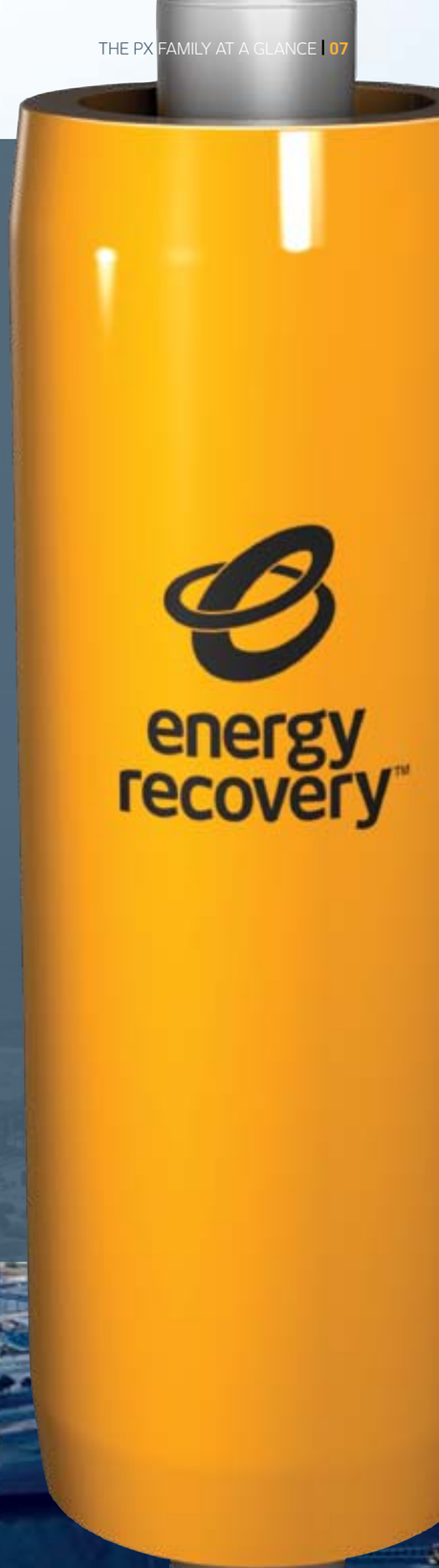
- One moving part
- Automatic speed adjustment
- No pulsation, valves, pistons or timers

Designed for a Lifetime

- High-purity Alumina Ceramic
- Industry Standard FRP housing
- AL-6XN® Superaustenitic Stainless Steel or equivalent wetted metal components

Supreme Flexibility

- Highest constant available efficiency over a wide operating range
- Quick and smooth startup
- Smallest installed footprint when compared to other isobaric ERDs

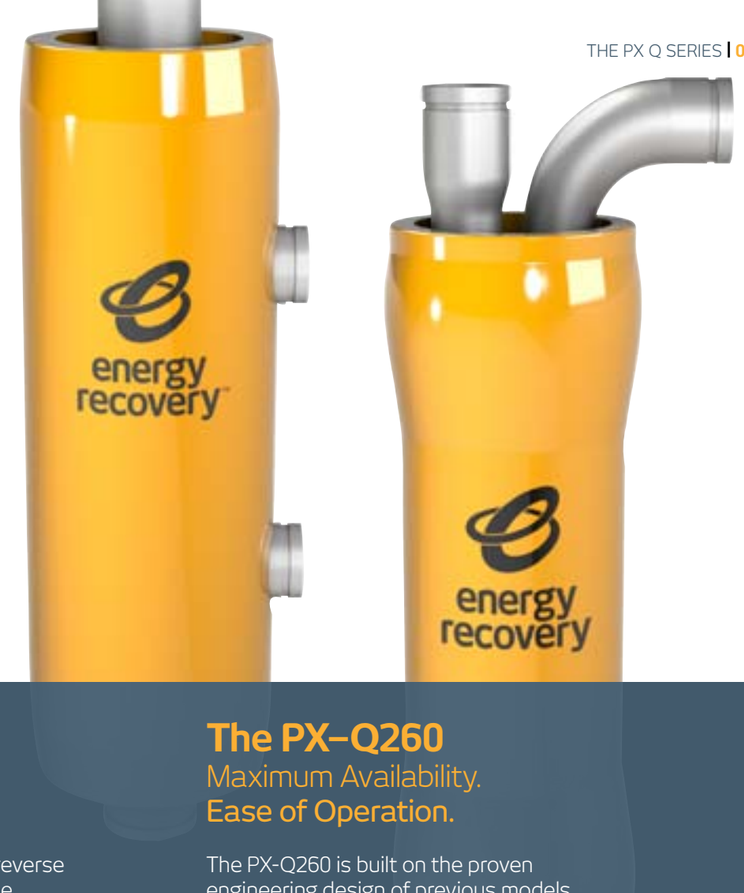


THE ECONOMICS OF ENERGY RECOVERY **JUST GOT A WHOLE LOT BETTER**

A Leap Forward in the Science of Energy Recovery with the PX® Q Series

After a quarter of a century, we continue to raise the bar with innovative desalination solutions. Our flagship PX-300 series products feature the latest enhancements in ceramic components and utilize patented, Quadribaric technology. The result is a durable and effective energy recovery device, unparalleled by any other product in its class.

The PX-Q300, our current gold standard, is the most efficient PX device we've designed to date, with the added advantage of being quieter than anything else on the market.

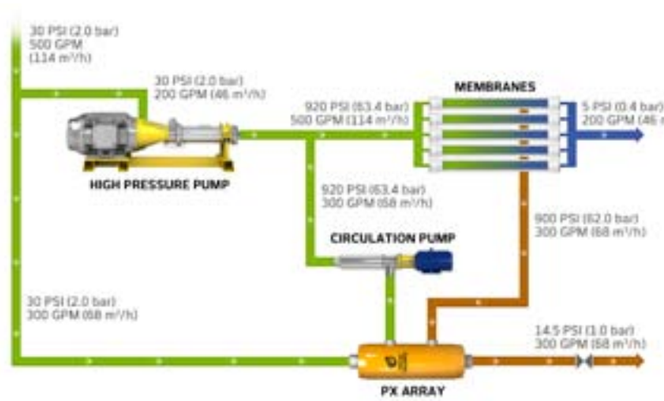


The PX–Q300
Highest Guaranteed **Efficiency**

The PX-Q300 is designed for any size reverse osmosis desalination plant, and has the lowest lifecycle cost of any energy recovery device on the market. It's built with the same premium features as the PX-300, but has a guaranteed efficiency of 97.2%. In addition, it offers quieter operations than ever before—below 81 decibels.

The PX–Q260
Maximum Availability. **Ease of Operation.**

The PX-Q260 is built on the proven engineering design of previous models and is designed for plants requiring lower flows. It delivers 96.8% efficiency, and is a scalable solution for our customers who need premium performance energy recovery with a smaller unit capacity.



Typical process flow diagram featuring Q Series and our AquaBold high pressure pump

Models
PX-300
PX-260
PX-220
PX-180

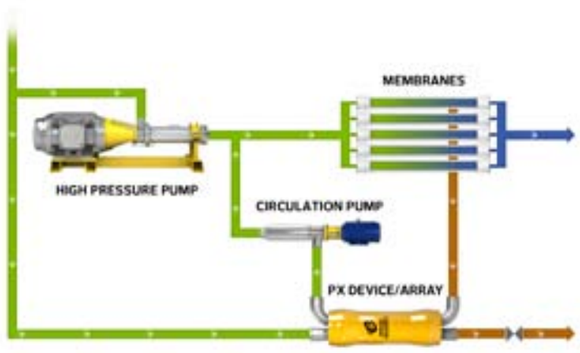
PX-140
PX-90
PX-70
PX-45
PX-30

The PX 6S Series
High Performance. **High flow.**

Designed for any size reverse osmosis desalination plant, the PX 6S family of products is specified for plants with permeate production capacities from 500 m3/day up to 240,000 m3/day and is well suited for even larger plants. Up to 40 PX devices in parallel have been successfully arrayed in a single train and 10 to 16 devices in parallel are common.

The PX 4S Series
Smaller Flows. **Big Innovation.**

Designed for small to medium-sized desalination applications including pilot plants, brackish water and mobile marine units, the PX 4S series is typically used in parallel to service larger systems and incorporates design improvements that increase capacity and improve durability.



Typical installation featuring the 6S series with our AquaBold high pressure pump

Performance Chart for PX Pressure Exchanger Technology

Efficiency guarantees, flow ranges, and permeate flows are demonstrated using a "mid-flow" range. Use the Energy Recovery Power Model Tool on our company website to help you create a new plant design or retrofit of an existing plant.

Category	PX Model	Minimum Guaranteed Efficiency*	Flow Range per Unit (Brine Flow)	Permeate Flow (40% recovery) *shown in Gallons/Minute & Cubic Meters/Hour
Q Series	PX-Q300	97.2%	200 - 300 gpm	200 gpm 45.4 m^3/h
	PX-Q260	96.8%	180-260 gpm	173 gpm 39.4 m^3/h
S Series	PX-300	96.8%	200-300 gpm	200 gpm 45.4 m^3/h
	PX-260	96.8%	180-260 gpm	173 gpm 39.4 m^3/h
	PX-220	96.8%(@200gpm)	140-220 gpm	147 gpm 33.3 m^3/h
	PX-180	96.7%(@160gpm)	100-180 gpm	120 gpm 27.3 m^3/h
	PX-140	94.8%(@100gpm)	90-140 gpm	93 gpm 21.2 m^3/h
	PX-90	96.0%(@70gpm)	60-90 gpm	60 gpm 13.6 m^3/h
	PX-70	95.3%(@50gpm)	40-70 gpm	47 gpm 10.6 m^3/h
	PX-45	94.0%(@35gpm)	30-45 gpm	30 gpm 6.8 m^3/h
	PX-30	93.4%(@25gpm)	20-30 gpm	20 gpm 4.5 m^3/h

*These minimum guaranteed efficiencies are based on Energy Recovery's factory performance test standards. Models include: Q300, Q260, 300, 260, and 220.

HIGH-QUALITY ENGINEERING AT AN AFFORDABLE PRICE

TurboCharger Energy Recovery Devices

Our family of TurboChargers has the highest-in-its-class efficiency with state-of-the-art engineering and manufacturing capabilities. Designed for reliability and optimum efficiency, they're suitable for both high-pressure seawater and low-pressure brackish reverse osmosis systems. They offer substantial savings for lower investment solutions–especially in locations where power costs are heavily subsidized or there's a need to mitigate upfront capital (or equipment) costs. Simple to maintain, our TurboChargers are supported by highly qualified and seasoned technical field services professionals around the clock.

HIGH PERFORMANCE. **LOW COST.**

The AT (Advanced Turbo) TurboCharger

A fully customized, high-performance, low-cost energy recovery solution for high-pressure systems reduces the required boost to high-pressure pumps thereby minimizing energy consumption. Previously known as Halo, our Advanced Turbo (AT) is a flexible solution that simplifies the SWRO system while maintaining its operational reliability. Easy to install, with a compact footprint, it's a turnkey solution that requires minimal installation time, operator training, and plant design; it can be installed in any direction and needs no instrumentation or ancillary equipment.

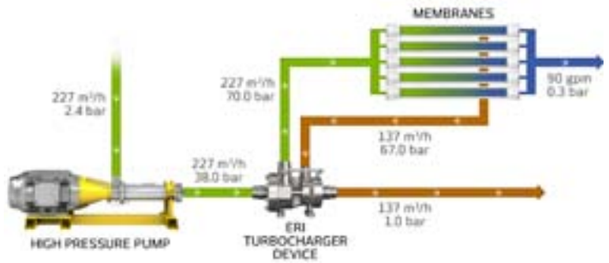
Ideal for small-to medium, skid-mounted seawater reverse osmosis systems, this device handles flows from 50 to 10,000+ gallons per minute (11 to 2,272 m3/hr) and pressures from 600 up to 1,200 psi (45 up to 80 bar). For a centrifugal solution, the innovative (patent pending) volute insert technology allows unparalleled field flexibility for changing operating conditions by enabling the operator to optimize the hydraulic pathways to achieve highest efficiency.

AT TurboCharger at a Glance

- Optimized efficiency with 3D geometry impellers
- Volute insert technology for field flexibility
- Custom hydraulics
- Reduces energy consumption
- Lowest installation cost
- Simple field retrofits
- Product lubricated bearings
- Smallest footprint
- MOC: Duplex (2205) & Super Duplex (2507) Stainless Steel

Models

AT-70
AT-95
AT-125
AT-250
AT-350
AT-425
AT-550
AT-875
AT-1100
AT-1500
AT-2150
AT-3250
AT-4150
AT-6000
AT-7800
AT-11000



Seawater Reverse Osmosis with Energy Recovery's Advanced TurboCharger

SIMPLE TO OPERATE. **DESIGNED TO PERFORM.**

The LPT (Low Pressure Turbo) TurboCharger

Models

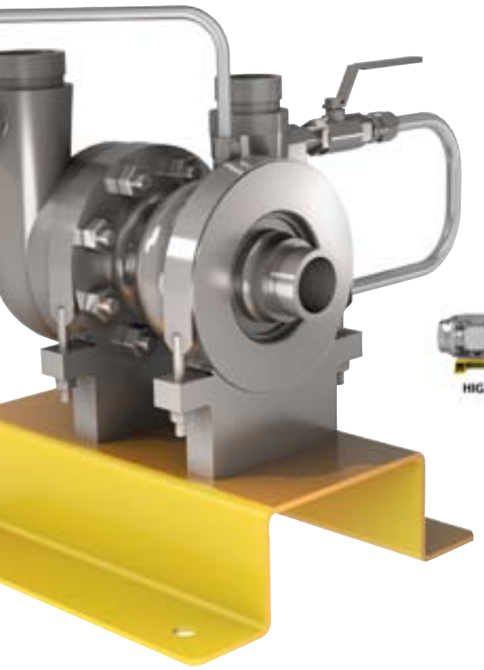
LPT-32
LPT 63
LPT 125
LPT 250
LPT 500
LPT 1000
LPT 2000
LPT 4000

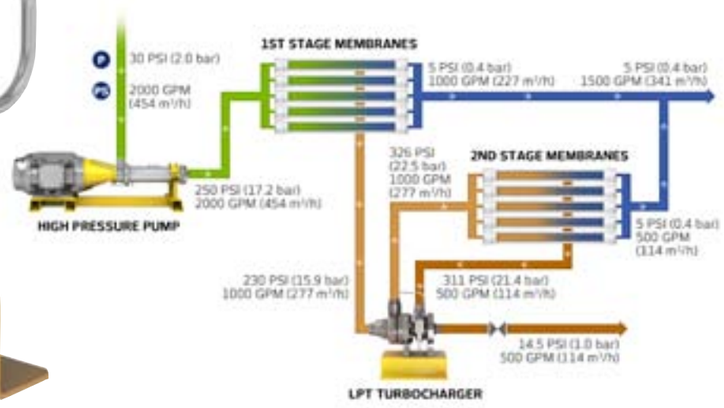
The Low Pressure Turbo is a high-performance, low-cost energy recovery solution for low-pressure systems that reduces the required boost to high-pressure pumps thereby minimizing energy consumption. Designed to outperform for site-specific conditions, this device offers many benefits including a compact footprint with long-term reliability and durability. With the LPT, you can realize advantages of low-pressure, inter-stage pressure boosting to balance flux between stages, multi-stage reverse osmosis systems, and energy recovery—all at an affordable price.

Ideal for low-pressure applications such as multi-stage brackish reverse osmosis water treatment, this device handles flows from 30 to 4,000 gallons per minute (6.8 to 908 m3/hr) and pressures up to 650 psi (45 bar).

LPT TurboCharger at a Glance

- Optimized efficiency with 3D geometry impellers
- Energy recovery/interstage booster pump in one device
- 20–30% lower energy consumption
- Zero energy cost for interstage pumping
- Product lubricated bearings
- No electrical feed or controls
- No shaft seals
- Smallest footprint

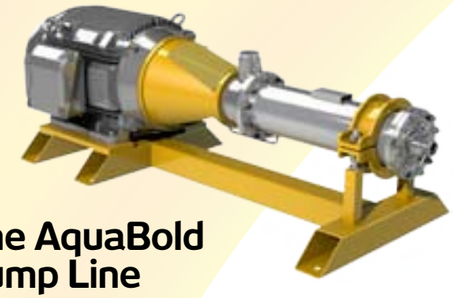




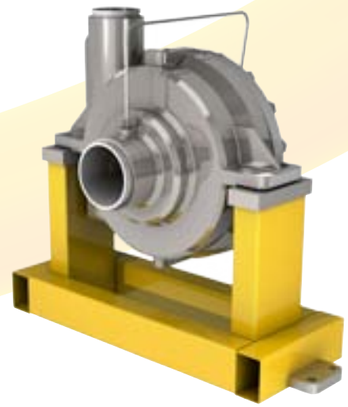
Inter-Stage Pressure Boost Application for Brackish Water

ROBUST. RELIABLE.

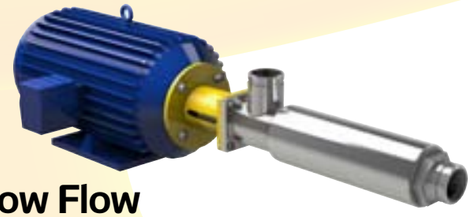
High-Pressure Multi and Single Stage Centrifugal Pumps



The AquaBold Pump Line

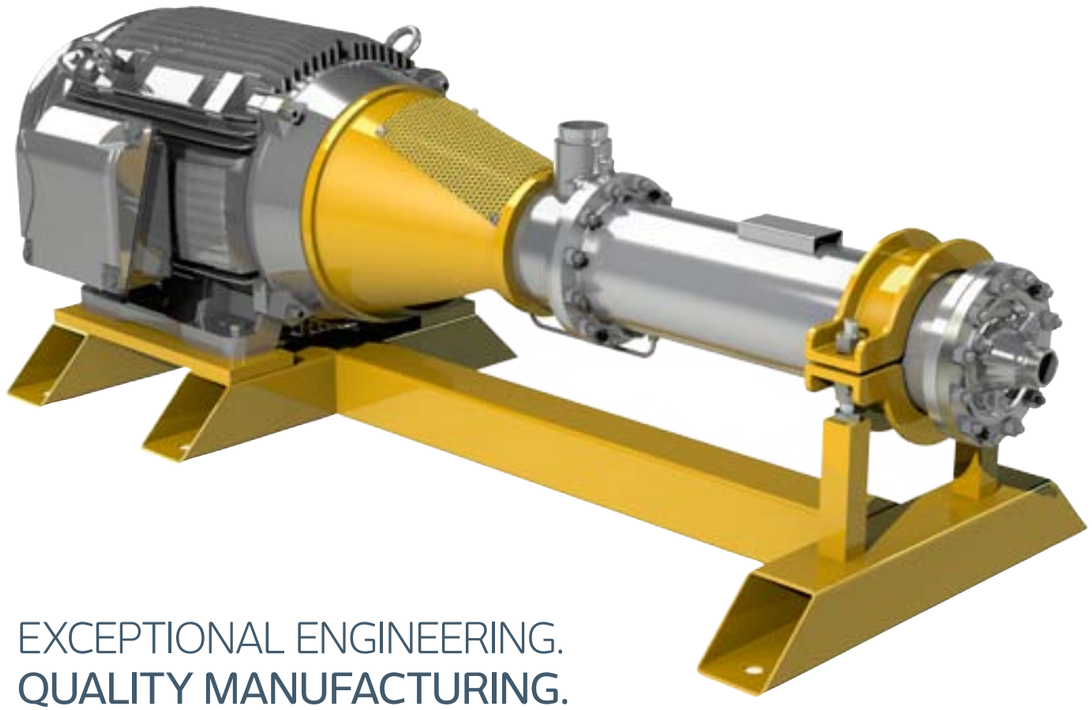


The AquaSpire Pump Line



Low Flow Circulation Pumps
HP-2400, HP-1250, HP-8500 Series

High Flow Circulation Pumps
VP-3471, VP-4671, VP-6891 Series



EXCEPTIONAL ENGINEERING.
QUALITY MANUFACTURING.

The AquaBold High Pressure Pump

Models

AquaBold 2x3x5

AquaBold 3x4x7

AquaBold 4x6x9

The AquaBold™ pump is our flagship multi-stage centrifugal pump that is ideal for large-scale reverse osmosis systems. Designed to outperform with maximum power savings, it handles flows from 100 to 1200 gallons per minute (23 to 273m3/hr) and pressures up to 1,200 psi (83 bar).

Depending on the type of energy recovery device selected and the process used, AquaBold pumps can be used in several ways:

- In systems that use PX technology with a single- or two-stage membrane array*
- In systems that use a TurboCharger device with a single stage membrane array**
- In systems that use a TurboCharger device with a two-stage membrane array***

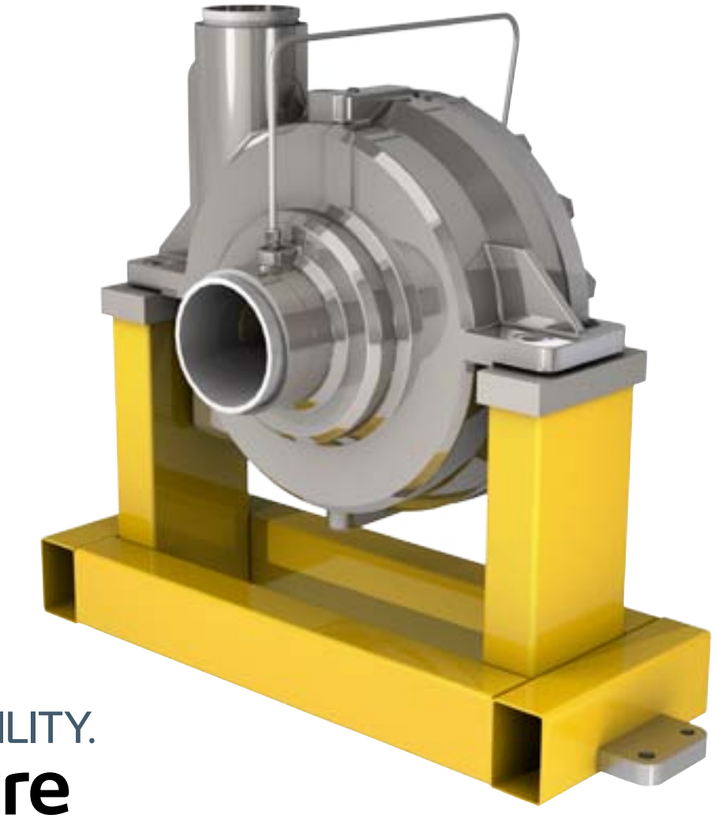
The AquaBold at a Glance

- Optimized performance
- Longer bearing life and wear cycle
- Enhanced corrosion resistance
- Less maintenance
- High availability, simple to maintain
- Low lifecycle cost
- State-of-the-art materials and manufacturing
- Improved debris durability
- Product lubricated bearings
- Adaptable to changing requirements
- Operational flexibility

*Can be sized for reduced system flow at full-system pressure.

**Must be sized for full-system flow with less pressure.

***Must be sized for full-system flow with less pressure. Here, the TurboCharger is used as an interstage boost to increase the pressure to the second stage, improving membrane productivity.



HIGHEST EFFICIENCY.
OPERATIONAL FLEXIBILITY.

The AquaSpire High Pressure Pump

The AquaSpire™ is a single-stage, high-pressure pump that's ideal for medium-to-large-scale seawater and brackish water reverse osmosis systems. It handles flows from 250 to 12,000 gallons per minute (57 to 2,725 m3/hr) and pressures up to 600 psi (45 bar).

It's designed to complement our AT TurboCharger energy recovery device for maximum efficiency and hydraulic flexibility.

The AquaSpire at a Glance

- Single-stage design
- Product lubricated bearings
- Adaptable to changing requirements
- No scheduled maintenance
- Simple field retrofits
- Custom designed for optimum efficiencies
- Simple field retrofits
- Achievable efficiencies at up to 90%
- Optimization with removable volute inserts

Models

AquaSpire™300

AquaSpire™450

AquaSpire™600

AquaSpire™900

AquaSpire™1200

AquaSpire™1800

AquaSpire™3600

AquaSpire™4800

AquaSpire™7200

AquaSpire™9600

SUPERIOR DESIGN. **SUPERIOR QUALITY.**

Low Flow Circulation Pumps

(HP-2400, HP-1250, HP-8500 Series)

Models

8500 Series
HP-8503
HP-8504

1250 Series
HP-1253
HP-1254

2400 Series
HP-2402
HP-2403

Designed to be used in conjunction with our PX devices, Energy Recovery circulation pumps are intended for seawater reverse osmosis plants with permeate production rates ranging from approximately 135 to 1,350 m3/day (25 to 250 gpm).

Low Flow Circulation Pumps at a Glance

- Low energy consumption
- Superior construction and design
- Reliability of performance in high operating pressures
- 3-inch flexible coupling connections for easy installation
- 50/60 Hz TEFC motor, ready for VFD control
- Simple interface for easy mechanical seal maintenance

LONG LIFE. **RELIABLE PERFORMANCE.**

High Flow Circulation Pumps

(VP-3471, VP-4671, VP-6891 Series)

Models
VP-3471
VP-4671
VP-6891

Designed to be used in conjunction with our PX devices, these circulations pumps are intended for seawater reverse osmosis plants with permeate production rates ranging from 640 to 12,000 m3/day.

High Flow Circulation Pumps at a Glance

- Compact vertical inline design
- Highest efficiencies
- Designed for long life and low maintenance
- Low energy consumption
- Reliable performance in high operating pressures
- Specially designed for SWRO/BWRO applications
- Seal flush with start-up vent valve
- ASME 600# fanges for easy installation
- 50/60 Hz TEFC motor, ready for VFD control
- Simple disassembly for easy mechanical seal maintenance
- Upgraded paint system for corrosion resistance

UPGRADE.

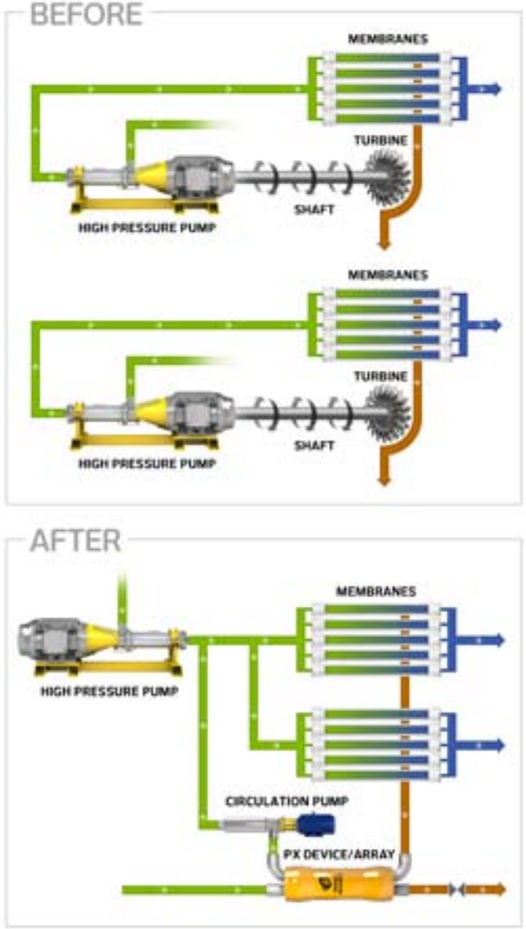
INCREASE PLANT PERFORMANCE.

Energy Recovery Retrofit Solutions

Retrofitting existing SWRO plants with our energy recovery devices can reduce the power consumption of existing systems by as much as 60%. Alternatively, the existing system's capacity can be increased with little or no additional power requirements and with minimal additional equipment. For example, PX devices and a circulation pump can be installed in any orientation between membrane racks or even in a piping trench. Many SWRO plant owners are choosing to retrofit with Energy Recovery's industry-leading PX devices in order to improve plant performance and increase energy savings.

A retrofit can nearly double the capacity of an existing SWRO train. In a typical retrofit, the Pelton turbine (or turbocharger) is removed, the original high-pressure pump remains and an array of PX energy devices and circulation pump(s) are added. Generally, the retrofitted system has twice the number of membranes and nearly double the permeate flow for the same size high-pressure pump. There are countless configurations to fit your needs.

Turbine ERD Retrofit at Empresa Mixta de Aguas de Las Palmas, S.A (EMALSA) Desalination Plant. Facility wins Best Energy Efficiency Project at InfoPower and InfoEnviro's 1st Annual Energy and Environment Awards in 2012 in Spain.



Turbine ERD Retrofit Flow Diagram

THE MOST **WIDELY USED** ENERGY RECOVERY SOLUTION **IN THE WORLD.**

Case Studies

At Energy Recovery, we don't believe in one-size-fits-all solutions; what's right for one customer may not be right for you. That's why we've designed our family of energy recovery products to meet any desalination need, regardless of the size of your plant or environment. We can ensure consistent performance over a broad range of flows and pressures.

All of our devices are designed to be adaptable so that they integrate easily with each other. Combine our PX devices or TurboCharger units into a complete solution with our pumps and you've got the highest efficiency design in desalination today.

Planning For Your System

Not sure what system you need? We will customize a cost-effective energy recovery solution to meet and exceed your specific requirements. Whether your project is large or small, you can count on us to ask the right questions and carefully consider your concerns. We are available to participate in technical kick-off meetings, review design plans, and whatever else your project might need. Ultimately, we will guide you to the most innovative, efficient solution available on the market today–a solution that will last well into the future.

Contact information for sales representatives in your area can be found on *Page 27*.






CASE STUDY:

Making an Energy Efficient Steam System Power Plant in India.

The Udipi 1300 MW Thermal Power Plant, located in UDIPI, near Mangalore, Karnataka, India is a coal/gas-based power generating station. It converts water into steam, which is then used to drive turbines, producing power. Vast amounts of water are needed for steam generation, and since only the highest quality pure water can be used, seawater reverse osmosis desalination is the most viable option for obtaining it. With a plant capacity of 6,200 m3/day, it is of paramount importance to find the most cost-effective and energy efficient desalination solution.

Triveni Engineering had been offering custom made solutions to the Indian Desalination Industry for more than a decade. Triveni partnered with us to provide the major components for the plant.

Innovation Solution

The plant is configured with four Centrifugal High Durability AquaSpire 2400 pumps and three AT TurboCharger 2400 energy recovery devices working together to give flexibility and cost/energy benefits. A total of three trains have been running since May 2010.

As a result of using our technologies, the plant went to working at 100% full capacity within one year. More trains will be purchased for the expansion of the plant within the next two years. The client is so satisfied that the setup is being showcased as a demo site for their potential customers.

CASE STUDY:

Providing Award-Winning Barcelona Plant With Innovative Technology.

Over the past decade, the city of Barcelona has endured lengthy spells of severe drought, creating serious water shortages. To ensure a secure and reliable water supply, the government decided that seawater reverse osmosis desalination was the most viable long-term option. The resulting Barcelona (Llobregat) Desalination Plant is one of the most well-designed, modern desalination facilities in the world. With a capacity of 200,000 m3/day (52.8 million gallons/day), the plant is currently the largest of its kind in Europe, and has been fully operational since July 2009. It delivers water to an estimated 1.5 million residents in the region, accounting for about 20 percent of the area's water supply.

Built on behalf of Aguas del Ter Llobregat (ATLL) by a consortium of Aguas de Barcelona (AGBAR), Dragados, DRACE Medioambiente and Degremont, the plant is located on the left bank of the LLobregat Delta, alongside the Baix Llobregat Wastewater Treatment Plant. It was constructed and commissioned within two years–an impressive concept-to-construction duration.

Innovation Solution

The plant is configured into two production lines, each with a capacity of 100,000 m3/day and consisting of two passes: the 10 first-pass trains with a nominal capacity of 23,100 m3/day and a partial second pass of two trains, each with a nominal production of approximately 16,500 m3/day. Each of the 10 trains is fitted with a variety of pressure equipment, including 230 of our PX-220 devices, (with 23 PX devices installed in each train.)

Our solution required no customization, offering maintenance-free operations to the owners and operators looking to reduce lifecycle costs; the implementation of our technology is key to the environmental viability of this award-winning facility.

GLOBAL INSTALLATIONS
MASSIVE ENERGY SAVINGS

With over 14,000 devices installed worldwide, Energy Recovery sets the standard for engineering excellence, cost savings, and technical services to clients across the world. We are both economically and environmentally vital to a broad mix of markets, plants, and installations. The map below shows a sampling of our global picture. Visit our website to view an interactive version of this map at *energyrecovery.com/global-installations*.

Energy Recovery is committed to innovation and collaboration within the water, oil & gas and chemical industries. We work to ensure that their industrial processes are increasingly more profitable and environmentally cleaner. Year after year, the company's clean technologies continue to save clients over $1 billion (USD) in energy costs.

"ERI's PX energy-saving technology makes it possible for us to receive clean, reliable water at a much more competitive cost."

Natarajan Ganesan

Joint General Manager,
Chennai Water Desalination Company

"We use ERI's PX technology in many of our plants due to its competitive and economic advantages."

Carlos Cosin

International Director,
Befesa

"The Perth plant utilizes highly efficient, simple-to-operate and low-maintenance isobaric ERDs from Energy Recovery. The plant design is unmatched and will no doubt be the world's model desalination plant."

Gary Crisp

Principal Engineer,
Desalination Water Corporation
of Western Australia

Meet Team 360

When You Invest In Energy Recovery Technology, You Don't Just Get A Product, You Get Partners.

Every day we support our clients across the globe in making energy recovery economically profitable and environmentally sustainable. With over 120 years of combined industry experience, our visionary service and support team has all-around technical expertise in energy recovery systems. Both our products and our relationships stand the test of time. Wherever you are in the world, whatever size your project, we will be there to support you every step of the way. From grassroots planning, to system design and implementation, through ongoing maintenance, we are always available for you. That's why we call ourselves Team 360.

Installation and Service Support

Team 360 can supervise installation and system commissioning whenever you request it. We've got experts in most regions of the world, including the Middle East, Europe, Asia, India, Latin America and Australia to provide responsive, local assistance and support in your language of choice. Once your project is up and running, we guarantee we'll go above and beyond to meet any maintenance requirements.

Spares and Repairs

Looking for a spare part or can't figure out what's wrong? Team 360 maintains an inventory of complete PX devices, pumps, parts, kits and tools at our headquarters in California; shipments can be expedited to any part of the world. We also maintain inventories of spares and parts in many regions including Algeria, Australia, the Caribbean, China, Spain and the United Arab Emirates.

Training

Team 360 is available worldwide to provide customized on-site product and operations training that meets your needs and time constraints. We also provide dynamic, hands-on training here at our headquarters to help accelerate your understanding of how our energy recovery technology works.

Online Tools and Resources

Visit our website to view a wealth of technical information, including operations and service manuals, technical guidance documents, and the Power Model™ and SWRO process simulator, developed to support you in your design process.

Companies don't innovate – people do

At the end of the day, our technology is so popular because of the unsurpassed R&D and technical knowledge we bring to the table. Team 360 is diverse, but we share one unifying characteristic–a desire to create and support smart, elegantly simple solutions to complex problems. Our primary measure of success is your satisfaction.

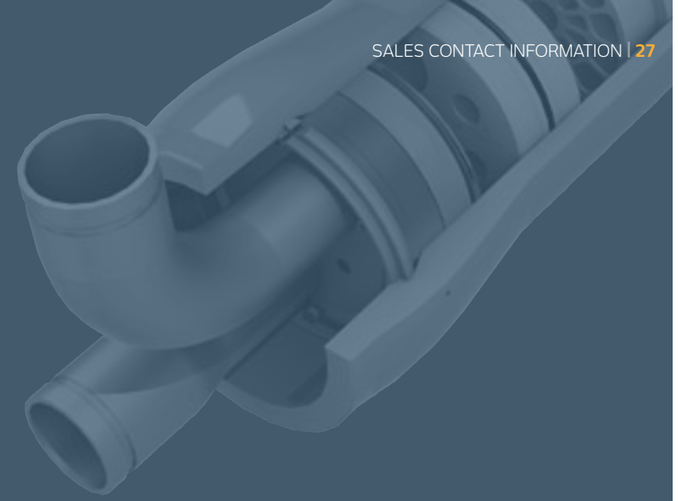
360 TEAM

ABOUT US

At Energy Recovery, we develop award-winning, industry-leading energy recovery products that offer innovative solutions to global industries. Our products and solutions transform industrial fluid flows and pressure cycles into reusable energy, using advanced technologies that adapt to the water, oil & gas, and chemical industries, making it possible to harness energy from almost any high-pressure fluid process.

Headquartered in the San Francisco Bay Area, Energy Recovery has offices in Madrid, Shanghai, and Dubai. **www.energyrecovery.com**

LLOBREGAT, BARCELONA, SPAIN



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FLUID INNOVATORS.™

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Our corporate headquarters is located in California, in the United States. This facility houses our administrative, engineering, manufacturing and sales departments.

energy recovery™