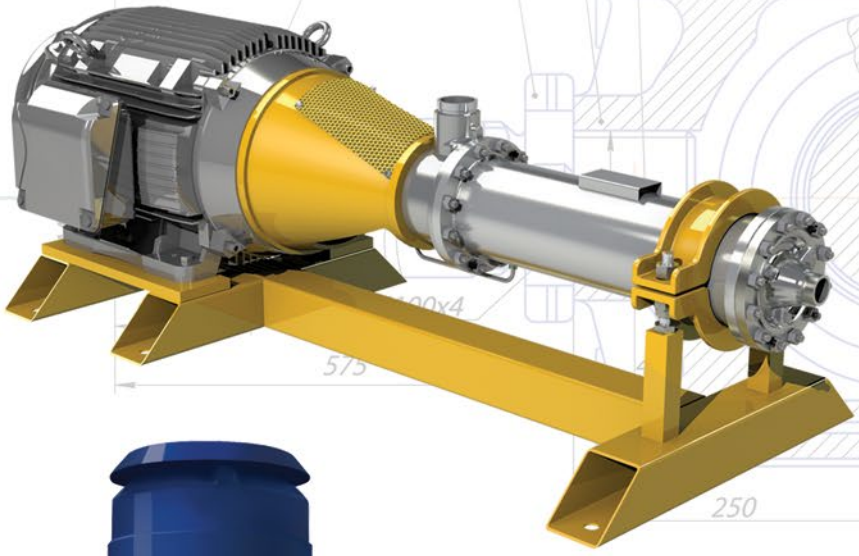
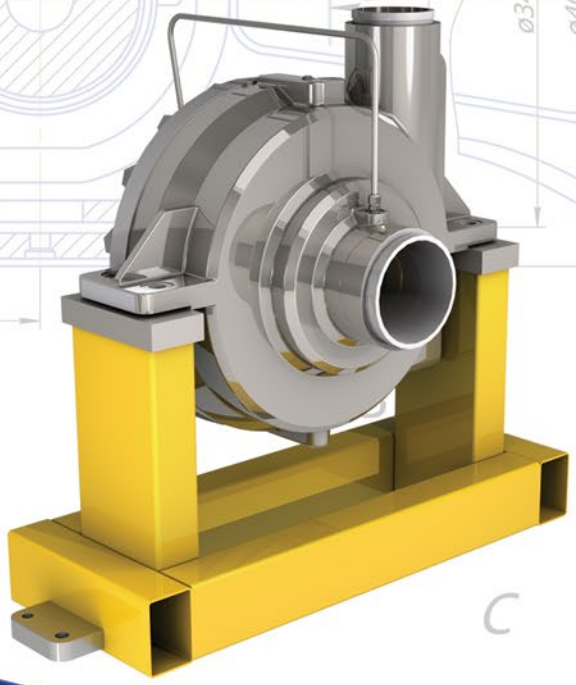
PUMPS

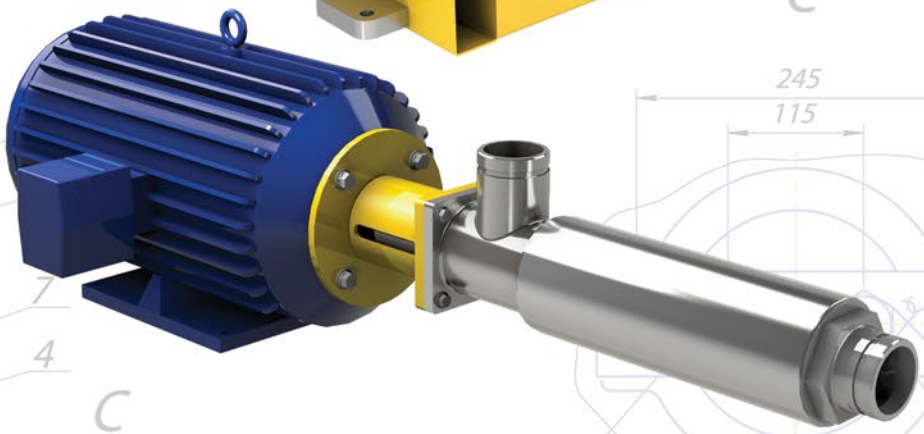
LENNTECH
WATER TREATMENT SOLUTIONS

High-Pressure Multi- and Single-Stage Centrifugal Pumps

We've invested years of research and development to build the most efficient energy recovery devices available today, bringing you versatile solutions that will meet the demands of any size water project or environment. When combined with our family of pumps, our isobaric and centrifugal energy recovery devices offer the highest efficiency solutions on the market.







AquaBold High-Pressure Pump

The AquaBold™ pump is our flagship multi-stage centrifugal pump, ideal for large-scale reverse osmosis systems. Designed to outperform with maximum power savings, it handles flows from 100 to 1,300 gallons per minute (23 to 300 m^3/hr) and pressures up to 1,200 psi (83 bar).

Depending on the type of energy recovery device selected and the process used, AquaBold is designed to be used in any PX system and in any Turbocharger system.

"By taking its technology globally, desalination plants in areas of high water scarcity such as Algeria and other parts of northern Africa as well as financially constrained communities in India and China are realizing the effects of Energy Recovery's efforts. Energy Recovery is enabling these countries to achieve their strategic initiatives to water security, accessibility and sustainability."

Nikolay Voutchkov
President
Water Globe Consulting

AquaBold at a Glance

- Industry-leading efficiencies exceeding 80%
- Process lubricated bearings
- Longer bearing life and wear cycle
- Less maintenance than typical pumps
- Low life-cycle cost
- Heavy duty cast and machined stainless steel impellers

AquaSpire High-Pressure Pump

The AquaSpire™ is a single-stage, high-pressure pump, 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 m^3/hr) and pressures up to 650 psi (45 bar). It is designed to complement our AT Turbocharger.

AquaSpire at a Glance

- Industry-leading efficiencies approaching 90%
- Process lubricated bearings
- Longer bearing life and wear cycle
- Less maintenance than typical pumps
- Low life-cycle cost

High Flow Circulation Pumps

VP Series

Designed to be used in combination with our PX devices in seawater and brackish reverse osmosis plants, with the purpose of compensating hydraulic losses in the PX circulation loop, these circulation pumps have flow rates ranging from 640 to 12,000 m^3/day.

High Flow Vertical Circulation Pumps at a Glance

- Compact vertical inline design
- Highest efficiencies
- Long life and low maintenances
- Low energy consumption
- Reliable performance in high operating pressures
- Specifically designed for SWRO/BWRO applications
- Seal flush with start-up vent valve
- ASME 600# flanges for easy installation
- 50/60 Hz TEFC motor, ready for VFD control
- Simple disassembly for easy mechanical seal maintenance

Low Flow Circulation Pumps

HP Series

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 25 to 250 gpm (135 to 1,350 m^3/day).

Low Flow Horizontal Circulation Pumps at a Glance

- Longer bearing life and wear cycle
- Enhanced corrosion resistance
- Less maintenance
- Specifically designed for SWRO/BWRO applications