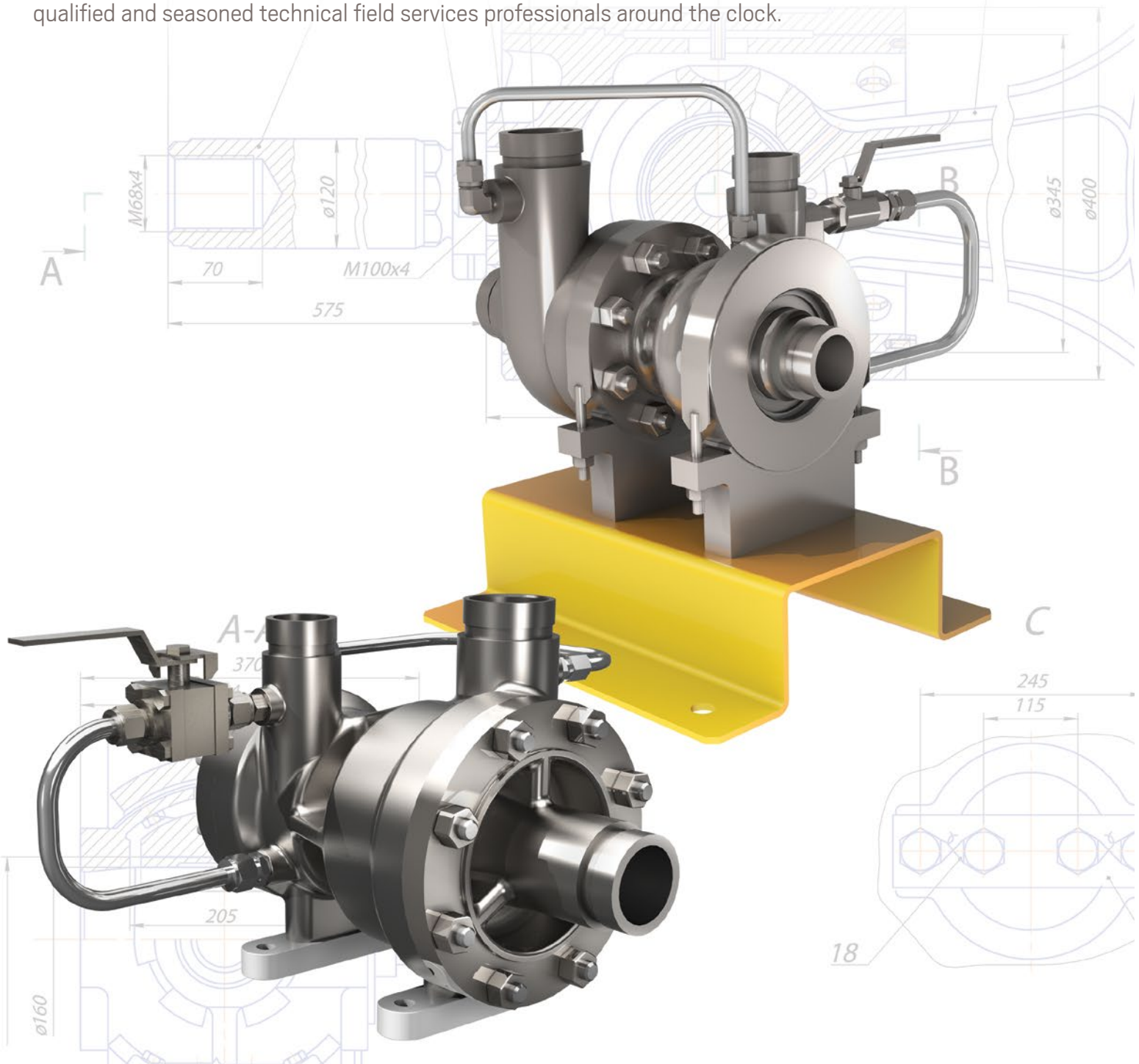


ENERGY RECOVERY TURBOCHARGERS

More Economical Options for Energy Recovery Technology

LENNTECH
WATER TREATMENT SOLUTIONS

With the highest efficiency in their class, our Turbochargers are suitable for both high-pressure seawater and low-pressure brackish reverse osmosis systems. They offer high-performing energy recovery solutions in projects with smaller budgets—especially in locations where power costs are heavily subsidized or there's a need to mitigate upfront capital spending. Easy to maintain, our Turbochargers are supported by highly qualified and seasoned technical field services professionals around the clock.



AT Turbocharger (Advanced Turbo)

High Performance, Low Cost

Our AT Turbocharger (Advanced Turbo) is a flexible solution that simplifies the SWRO system while maintaining its operational reliability. Easy to install, with a compact footprint, it requires minimal installation time, operator training and plant design. The device requires no instrumentation or ancillary equipment.

Ideal for any size seawater reverse osmosis system, the AT Turbocharger handles flows from 50 to 10,000+ gallons per minute (11 to 2,272 m³/hr) and pressures from 600 to 1,200 psi (45 to 80 bar). For a centrifugal solution, the innovative volute insert technology allows systems to perform at a best efficiency range rather than a single best efficiency point. This offers plants increased flexibility should operating conditions change, and helps mitigate efficiency penalties.



AT Turbocharger at a Glance

- More than 80% energy efficiency
- Reduces energy consumption
- Increased efficiency with 3D geometry impellers
- Volute insert technology for best efficiency range
- Low installation cost
- Process lubricated bearings
- Compact footprint
- Duplex (2205) and Super Duplex (2507)Stainless Steel
- Investment casting up to model AT-1500

Models

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

LPT Turbocharger (Low Pressure Turbo)

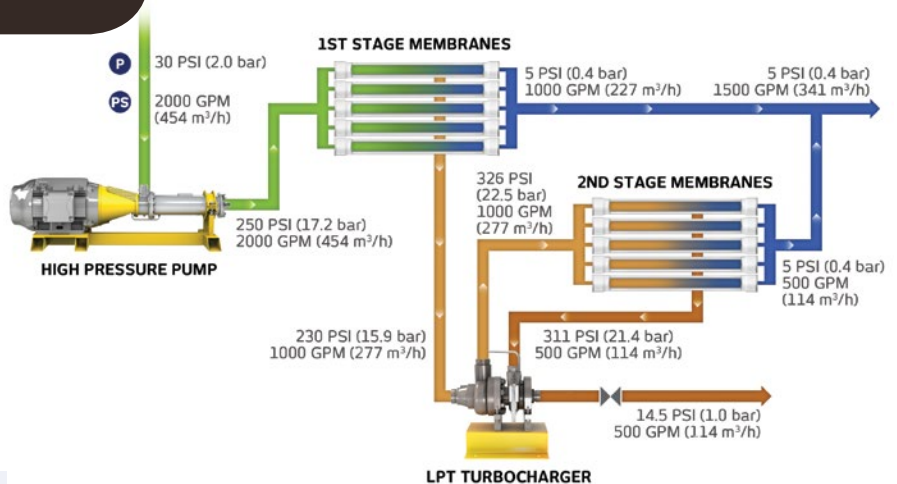
High Performance for Low Pressure Systems

The LPT Turbocharger is a high-performance, low-cost energy recovery solution for low-pressure systems that reduces the required pressure provided by the high-pressure pumps, thereby minimizing energy consumption. This device offers many benefits, including a compact footprint and long-term reliability and durability. The LPT gives operators the 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

- Increased efficiency with 3D geometry impellers
- Energy recovery/inter-stage booster pump in one device
- 20–30% lower energy consumption
- Heavy duty cast and machined stainless steel impellers
- No energy costs for inter-stage pumping
- Process lubricated bearings
- No electrical feed or controls
- No shaft seals
- Compact footprint



LENNTECH
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