



PUMPENGINEERING INC.

Harnessing the Power of Liquid Energy

LPT-1000 Low Pressure TurboCharger

Capacity

601 gpm to 1200 gpm @ 250 psi

136.49 m³/h to 272.54 m³/h @ 17.24 bar

Delivery

Fourteen (14) weeks standard delivery.

Priority delivery service also available.

Materials of Construction

Rotor: AL6XN

Bearings: Graphitar 39

Casings: SS304, SS316, or Duplex Stainless Steel Alloy 2205

Interstage Pressure Boosting Benefits

- Lowest energy consumption rate
- Balance flux rates between 1st and 2nd stage
- Reduce fouling potential of the 1st stage
- Increased 2nd stage pressure compensates for higher osmotic pressure - providing higher quality product water
- Patented Design - Interstage Pressure Boosting of a multi-stage RO system is covered by PEI patent U.S. 4,983,305.

Design Features

Casings are designed for a maximum of 600 psi (41.38 bar) operating pressure. Turbine casing volutes are machined for high efficiency and correct turbine differential pressure. Pump Casings are designed for a range of cast volutes achieving high efficiency throughout the capacity range.

Dynamically Balanced Impellers precision cast three dimensional complex geometry impellers for maximum efficiency.

Product lubricated journal bearings eliminate shaft seals and oil/grease lubrication and provide years of maintenance free operation.

Hydrostatic Thrust Bearing - Product lubricated thrust bearing allows turbine to run with 98% volumetric efficiency.

Radially split casing for complete and easy access for maintenance.

Circumferential mounting allows complete rotation of turbocharger pipe connections for easy piping fit up.

HARNESsing THE POWER OF LIQUID ENERGY

HTC AT
ADVANCED TECHNOLOGY



LPT
LOW PRESSURE



HPT
HIGH PRESSURE



HALO

