



PUMP ENGINEERING INC.

Harnessing the Power of Liquid Energy

HALO-600 TurboCharger

HALO – TurboCharger

The new HALO TurboCharger combines efficiency and affordability. Even RO system builders who considered energy recovery too expensive can enjoy the benefits of reduced energy consumption with this low capital cost energy recovery device. Request a quote today and be pleasantly surprised by how affordable energy recovery for sea water RO has become.

Capacity

525 gpm to 750 gpm @ 1000 psi
119.23 m3/h to 170.33 @ 68.96 bar

Delivery

8-10 weeks standard delivery
Priority delivery service also available

Materials of Construction

Rotor: Duplex 2205
Bearings: Metallized Carbon M101
Casings: 316L SS or Duplex 2205

Design Features

Type The Turbo™ is an integral turbine driven centrifugal pump. The turbine is a single stage radial inflow type (similar to a reverse running pump). The pump is a single stage centrifugal type with its impeller mounted on the turbine shaft. The unit is entirely energized by the high pressure brine stream.

Product Lubricated Journal Bearings eliminate shaft seals and oil/grease lubrication and provide years of maintenance free operation.

Multiple Turbine Nozzles The Turbo is equipped with two nozzles and a control valve that allows brine flow and pressure to be regulated without energy wasting throttling or bypassing.

Easy Installation with Victaulic pipe joints. The HALO Turbo™ can be installed next to the RO trains reducing the amount of high pressure piping.

HTC AT
ADVANCED TECHNOLOGY



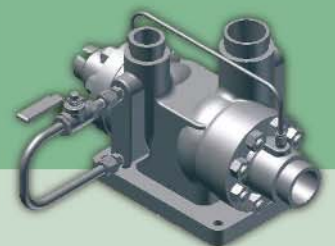
LPT
LOW PRESSURE



HPT
HIGH PRESSURE



HALO



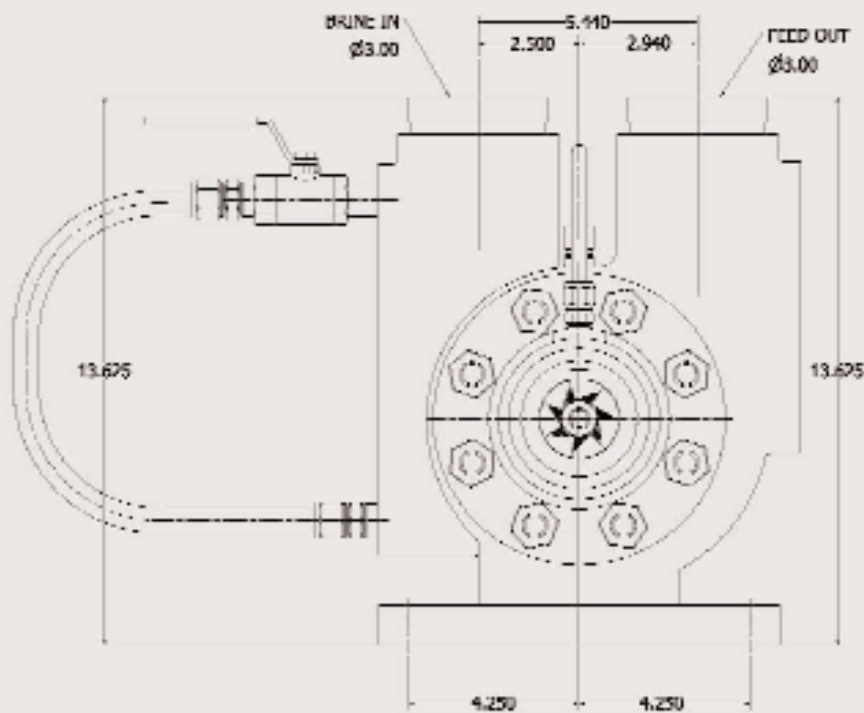
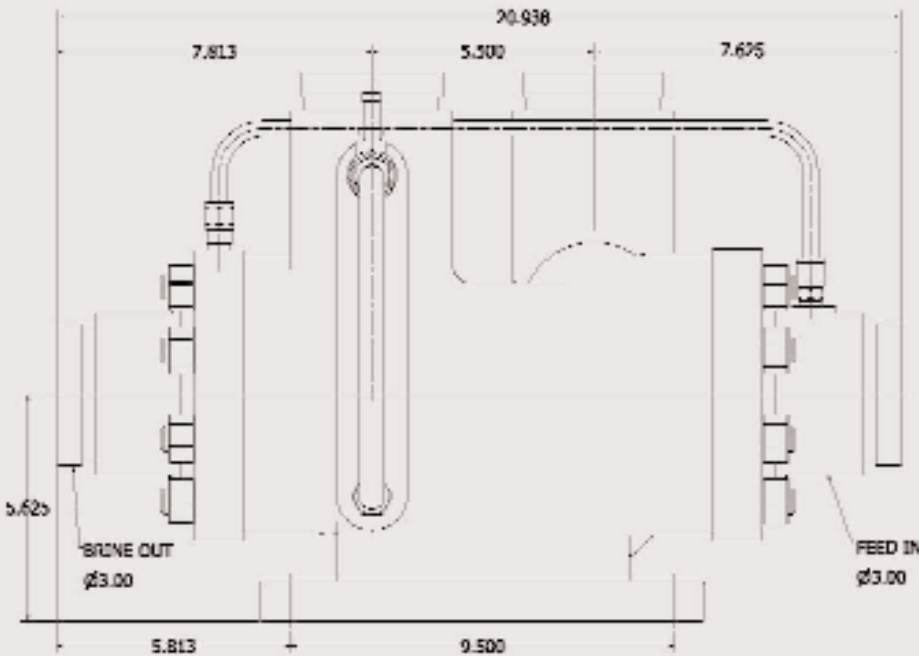
HARNESsing THE POWER OF LIQUID ENERGY



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Note: Dimensions not for construction purposes.

H A R N E S S I N G T H E P O W E R O F L I Q U I D E N E R G Y

Pump Engineering Inc.,

was founded in 1986 for the purpose of developing and manufacturing advanced technology pumps. Since 1988 the company has focused its efforts on providing the reverse osmosis industry with the most efficient and total cost effective pumps and energy recovery equipment.



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