# MSH MHH

**Axially Split Multistage Pump** 





# **Axially Split Multistage Pump**

### **Design Features**

#### **Applications**

- High Pressure RO Feed
- Water Transmission
- Raw Water Transfer

#### **Technical Data**

- Capacity: 400 to 3,000 m³/h / 1,760 to 13,200 USgpm
- Total Head : up to 800 m / 80 bar / 2,600 ft

#### Liquids

- Seawater
- Potable Water
- Raw Water
- Brackish Water

#### **Materials**

- Super Duplex Stainless Steel
- Duplex Stainless Steel
- Stainless Steel
- Carbon Steel + Stainless Steel Rotating Element
- Ductile Iron + Stainless Steel Rotating Element

#### **Impellers**

- Closed
- Single / Double Entry

#### **Shaft Seals**

- Gland Packing
- Mechanical Seal

#### **Bearings**

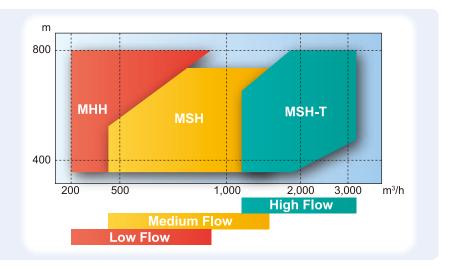
- Radial Antifriction
  - Sleeve
- Thrust Antifriction
  - Tilting Pad

#### **Drives**

- Electric Motor
- Electric Motor + Pelton Turbine

## **Performance Range**

- Optimum Suction Performance
  - Low NPSHreq.
- Easy Maintenance
- Reduce Energy Cost
- Long Bearing Life
- Low Licy Cycle Cost





Water Transfer Pump for Salaf Pump Station (Saudi Arabia)

Pump type: MHH300/4, Delivery year: 2010 Duty: 1,116m³/h at 615m, Power: 2,840kW



RO 1st Pass High Pressure Pump for Victorian Desalination (Australia) Pump type: MSH300/2, Delivery year: 2010 Duty: 887m³/h at 544m, Power: 2,000kW



Water Transfer Pump for Shuqauiq II Abha Pump Station (Saudi Arabia) Pump type: MSH300/2T, Delivery year: 2009 Duty: 2,325m³/h at 722m, Power: 6,150kW

# Reliable Design



MHH is three or more stages axially split casing pump. Diffuser guides flow from impeller discharge to the next impeller suction eye. Thrust forces are compensated by a hydraulic balancing device.



## **MSH** Medium Flow

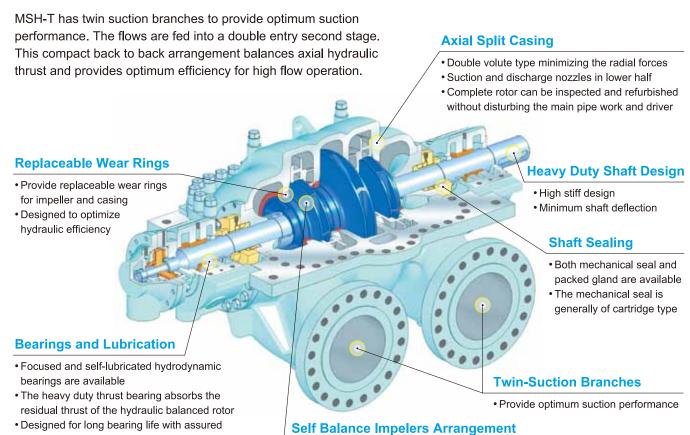
MSH is two stages, axially split casing double volute pump. Impellers are installed back to back in order to reduce axial thrust force. Impeller and volute design are matched to provide optimum efficiency.

# MSH-T High Flow

**lubrication** 

capacity pump

· Antifriction bearings are available for smaller



Two-single suction impellers back to back arrangement

· Principal axial thrusts are hydraulically balanced

Provide high efficiency and low NPSH requitement