# **SERIES 3610 MODEL HS**

SINGLE STAGE FLEX-COUPLED SPLIT CASE

Sizes: 2.5" to 32" Discharge

Flows: To 90,000 GPM

Heads: To 700 Feet Temp: To 250°F

## Services:

**Cooling Water** Raw Water Intake **Sea Water Industrial Process Condenser Circulating Irrigation & Drainage Municipal Water Supply** 

#### **SHAFT ASSEMBLY**

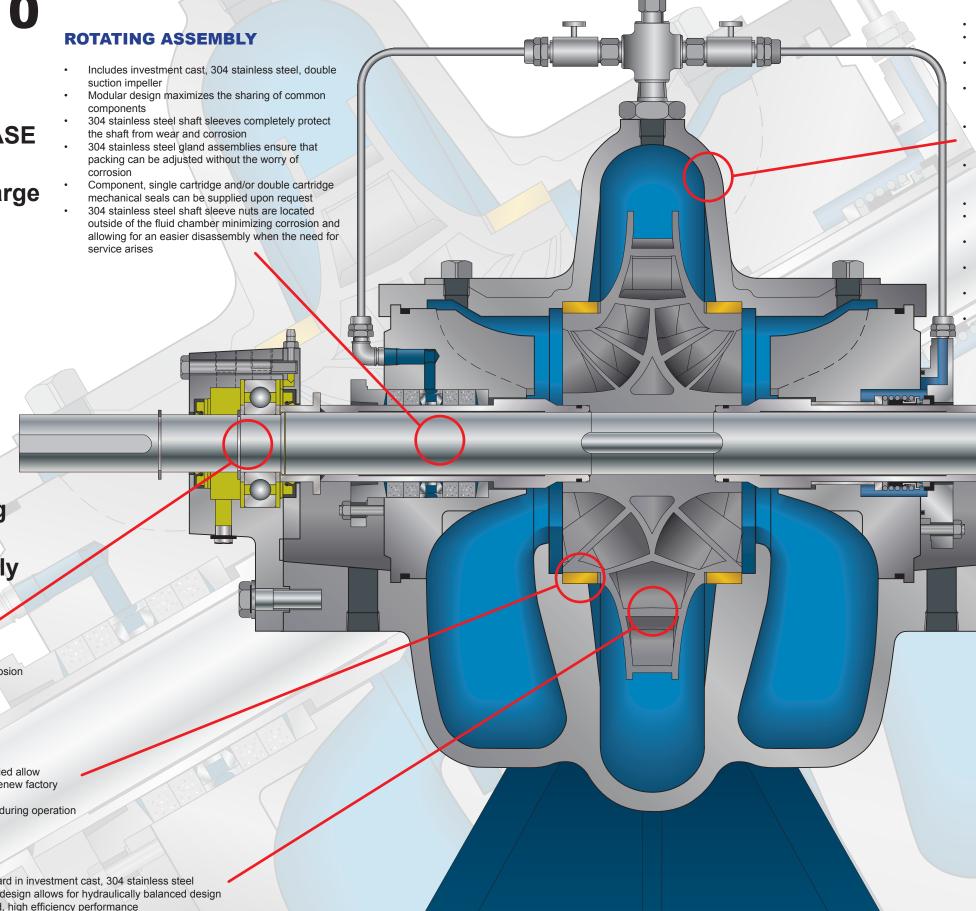
- 4340 quenched and tempered high chrome steel shaft is stronger than standard carbon steel and has superior corrosion
- Designed and sized specifically for the aggressive fire protection markets

### CASE WEAR RINGS

- Supplied in standard bronze or other specified allow
- Case wear rings are renewable which will renew factory running clearances and performance
- Pinned at the centerline to prevent rotation during operation

#### **IMPELLER**

- Supplied standard in investment cast, 304 stainless steel
- Double suction design allows for hydraulically balanced design with broad band, high efficiency performance
- Machined and dynamically balanced prior to assembly





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SERIES 3610 HS SPLIT CASE PRODUCT LINE

CASING

Supplied standard in ASTM A48 class 30 cast iron Heavy wall thickness for corrosion allowance and

Horizontally split to permit complete access to the

Casing assembly design features pry bar locations

at each quadrant as well as jackscrews to aid in the

Single & double volute design significantly reduces

radial loads on shafting and allows for a more

fluid prior to it entering the impeller eye

valves to control packing lubrication Suction & discharge gauge package with 304

Cast integral, vortex suppressor in casing top at each impeller eye designed to reduce vortexing of

Threaded taps for gauges and pressure relief valve

Dedicated cast support for the nameplate allows for

Flush plan features 304 stainless steel tubing and

stainless steel buffer tube, fittings and ball valves Suction and discharge flanges supplied in 250 PSI rating with raised face for high pressure applications Alternate metallurgy options available upon request

**BEARING HOUSINGS** 

complete pump disassembly

Designed for a minimum 50,000 hour

for casing top removal

Cartridge style bearings are completely removable and replaceable without the need

Both inboard & outboard bearings can be inspected and replaced without the need for

bearing life using 6300 series, deep groove

Specifiable purge grease lubrication design

inboard and outboard bearings provide superior axial and radial support

allows new grease to be installed while purging old grease through bottom purge

Each bearing housing is protected from

containments by using lip seals at every

location where the shaft enters the housings

high pressure applications

compact & efficient design

a high visibility design

rotating assembly

casing top removal