



AMERICAN-MARSH PUMPS

"PUMPS AND PUMPS ONLY SINCE 1873"

340 Series Double Suction Split Case Pumps

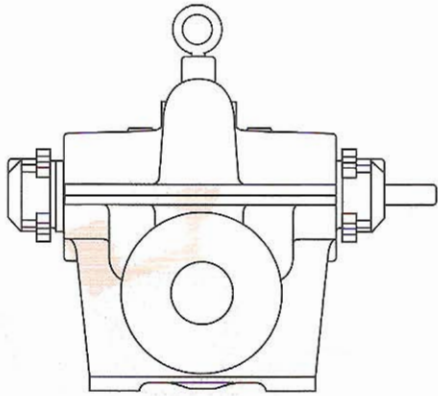


PROMINSER S.A.C.

CALLE CORONEL BRUNO MORALES BERMUDEZ 190
URB. LAS GARDENIAS - SURCO
LIMA 33 - PERU
TELF.: (51-1) 279-2846
FAX.: (51-1) 279-2847
www.prominser.com

Flows to: 73,000 GPM
Heads to: 550 Feet
Temperatures to: 250° F

Model HD Pump



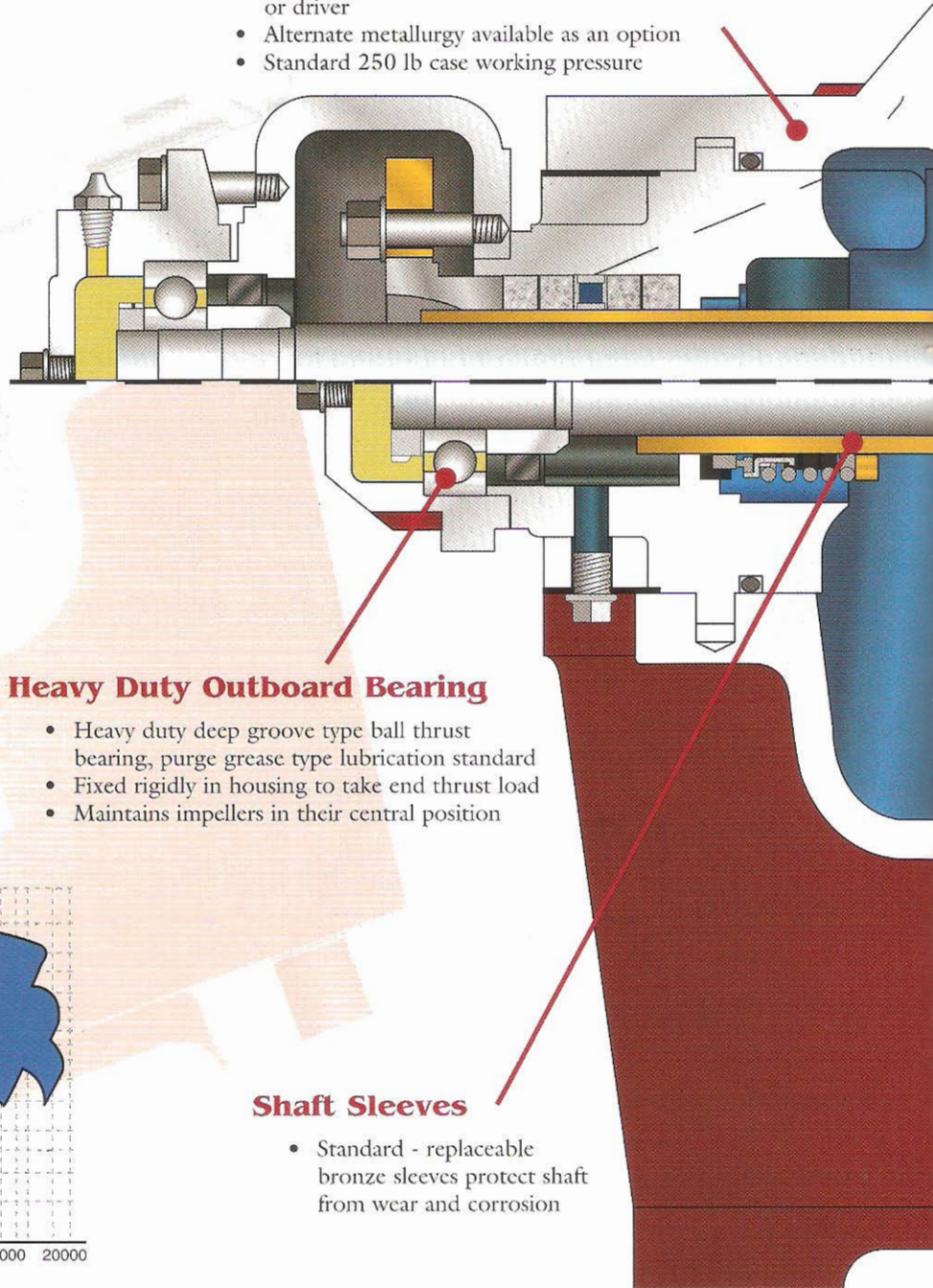
Sizes: 2" to 14"
Flows: 18,000 GPM
Heads: 550 Feet
Temp: 250° F

Services:

- Process
- Pulp & Paper
- Primary Metals
- Municipal
- Power Generation
- Marine
- General

Heavy Duty Casing

- Standard ASTM A48 Class 30 cast iron
- Horizontally split for easy access
- Casing has Thru-Bore which allows the removal of the entire rotating assembly, including both stuffing boxes, and the entire bearing housing assembly
- Heavy wall thickness to provide generous corrosion allowance and high working pressures
- Volute type casing with double suction provides suction and discharge nozzles cast integral with the lower half of the casing
- Suction and discharge connections are in lower half, allowing removal or inspection of upper half and rotating assembly without disturbing piping or driver
- Alternate metallurgy available as an option
- Standard 250 lb case working pressure

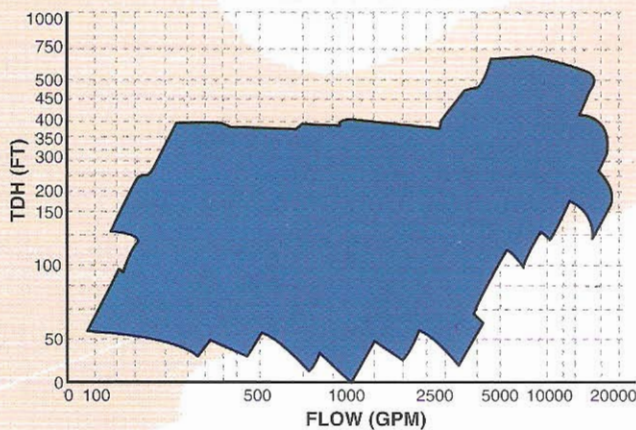


Heavy Duty Outboard Bearing

- Heavy duty deep groove type ball thrust bearing, purge grease type lubrication standard
- Fixed rigidly in housing to take end thrust load
- Maintains impellers in their central position

Shaft Sleeves

- Standard - replaceable bronze sleeves protect shaft from wear and corrosion



Impellers

- Double suction minimizes axial thrust, enclosed, non-overloading bronze standard, other alloys available
- Expertly machined to customer specifications
- Fully balanced before assembly

Casing Wear Rings

- Standard bronze or other specified alloy
- Renewable, permits easy maintenance of proper running clearances
- Allows smooth transfer of fluid into impeller eye, increasing efficiency and lowering NPSH
- Pinned to prevent rotation

Bearing Housings

- Cartridge bearing arrangement allows the removal of the entire bearing housing assembly with the rotating element.
- Both the inboard and outboard bearing can be completely replaced without disturbing any other part of the rotating assembly.
- Both bearings are protected by lip seals to keep contaminants out of bearing housing

Heavy Duty Inboard Bearing

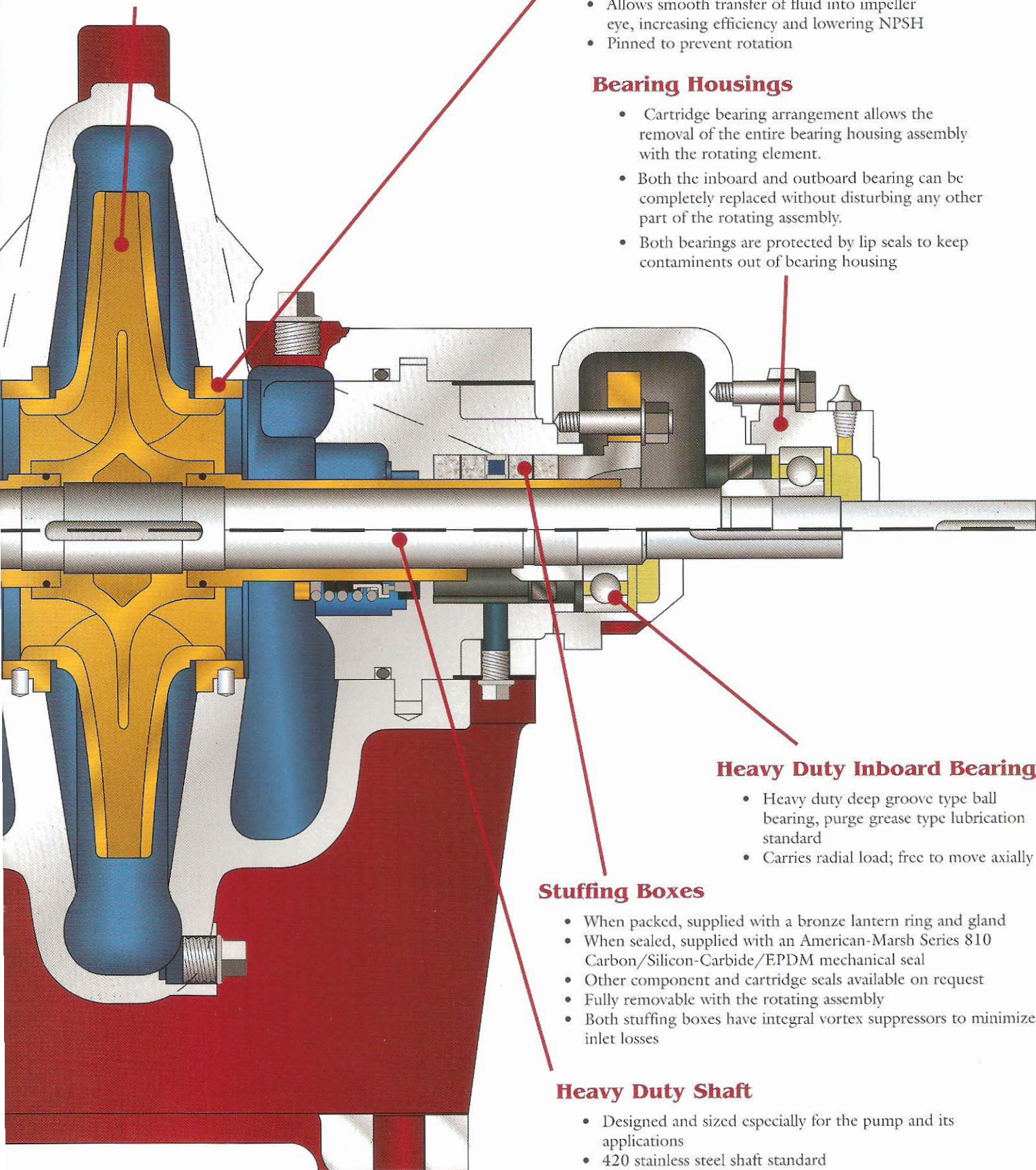
- Heavy duty deep groove type ball bearing, purge grease type lubrication standard
- Carries radial load; free to move axially

Stuffing Boxes

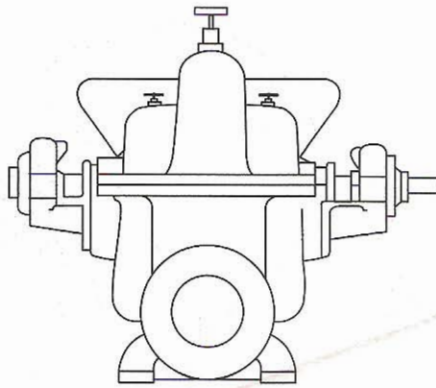
- When packed, supplied with a bronze lantern ring and gland
- When sealed, supplied with an American-Marsh Series 810 Carbon/Silicon-Carbide/EPDM mechanical seal
- Other component and cartridge seals available on request
- Fully removable with the rotating assembly
- Both stuffing boxes have integral vortex suppressors to minimize inlet losses

Heavy Duty Shaft

- Designed and sized especially for the pump and its applications
- 420 stainless steel shaft standard



Model X-HD Pump



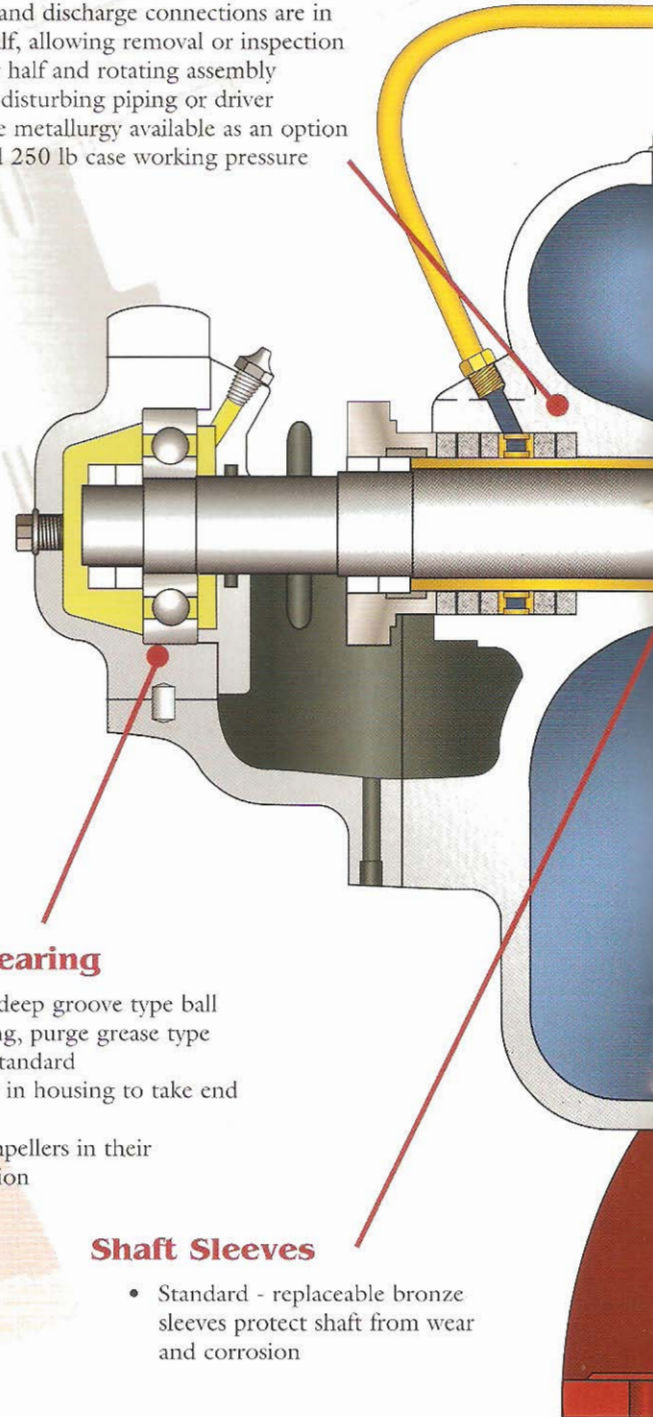
Sizes: 8" to 44"
Flows: 73,000 GPM
Heads: 400 Feet
Temp: 250° F

Services:

- Process
- Pulp & Paper
- Primary Metals
- Municipal
- Power Generation
- Marine
- General

Heavy Duty Casing

- Standard ASTM A48 Class 30 cast iron
- Horizontally split for easy access
- Heavy wall thickness to provide generous corrosion allowance and high working pressures
- Volute type casing with double suction provides suction and discharge nozzles integral with the lower half of the casing
- Suction and discharge connections are in lower half, allowing removal or inspection of upper half and rotating assembly without disturbing piping or driver
- Alternate metallurgy available as an option
- Standard 250 lb case working pressure

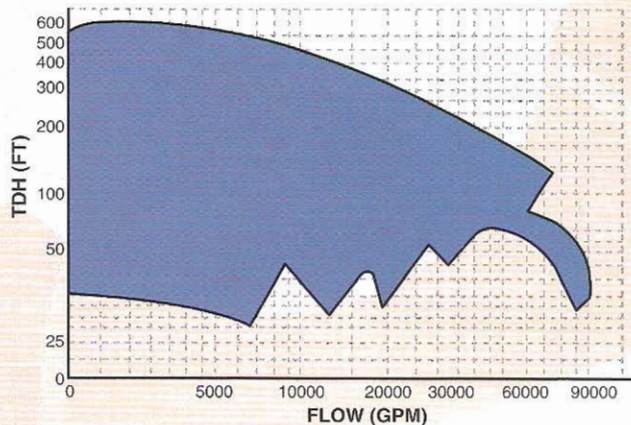


Heavy Duty Outboard Bearing

- Heavy duty deep groove type ball thrust bearing, purge grease type lubrication standard
- Fixed rigidly in housing to take end thrust load
- Maintains impellers in their central position

Shaft Sleeves

- Standard - replaceable bronze sleeves protect shaft from wear and corrosion



Impellers

- Double suction minimizes axial thrust, enclosed, non-overloading bronze standard, other alloys available
- Expertly machined to customer specifications
- Fully balanced before assembly

Casing Wear Rings

- Standard bronze or other specified alloy
- Renewable, permits easy maintenance of proper running clearances
- Pinned to prevent rotation

Bearing Housings

- Bearings: cartridge-mounted to permit easy removal of rotating element
- Cartridge bearing arrangement allows the removal of the entire bearing housing assembly with the rotating element.
- Both bearings are protected by lip seals to keep contaminants out of bearing housing

Heavy Duty Inboard Bearing

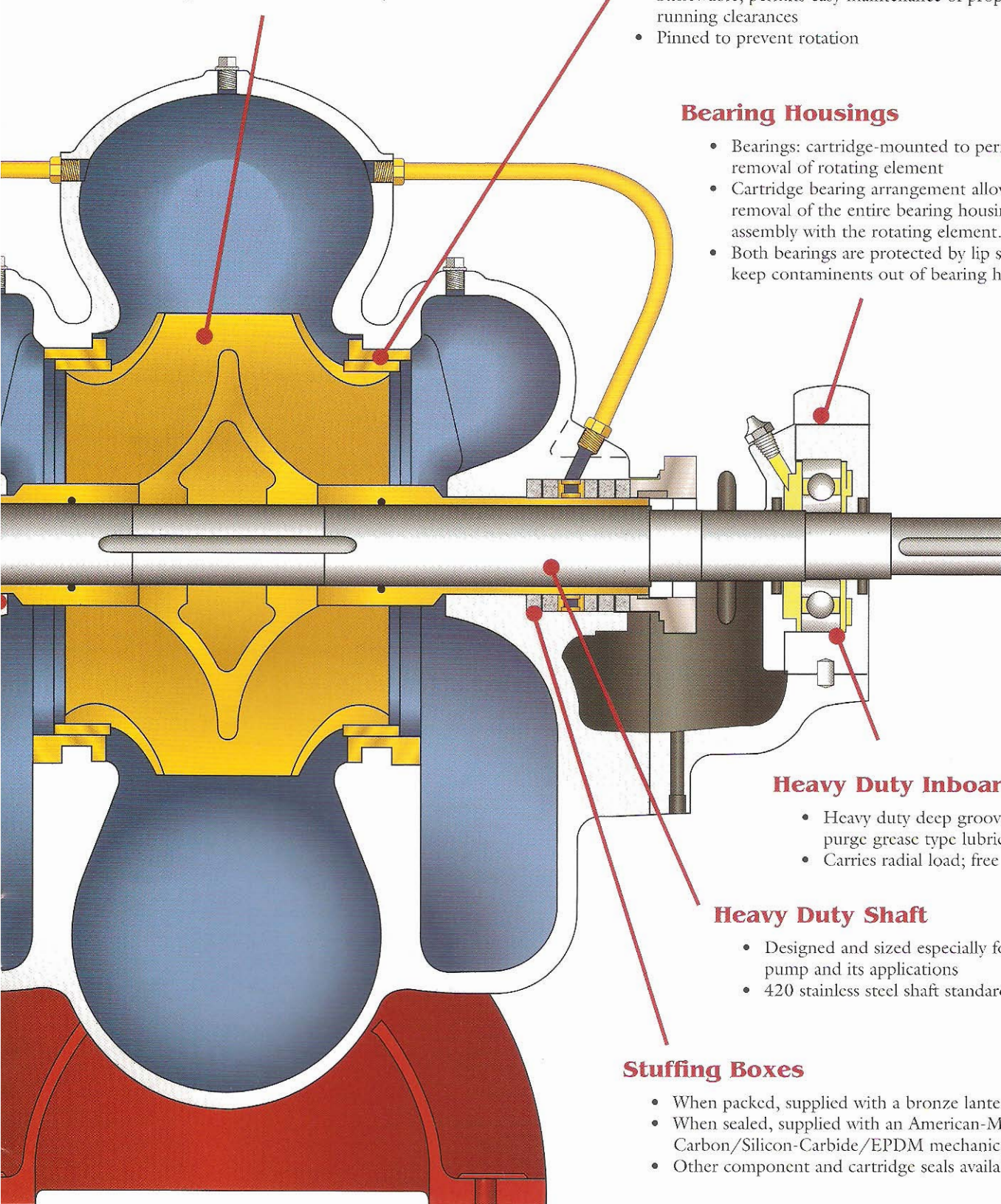
- Heavy duty deep groove type ball bearing, purge grease type lubrication standard
- Carries radial load; free to move axially

Heavy Duty Shaft

- Designed and sized especially for the pump and its applications
- 420 stainless steel shaft standard

Stuffing Boxes

- When packed, supplied with a bronze lantern ring and gland
- When sealed, supplied with an American-Marsh Series 810 Carbon/Silicon-Carbide/EPDM mechanical seal
- Other component and cartridge seals available on request



Our long tradition of quality pump manufacturing began in 1873 making us one of the first pump manufacturers in this country. *American-Marsh Pumps* provides the user dependability and durability. Durability by design is always the most cost effective solution.

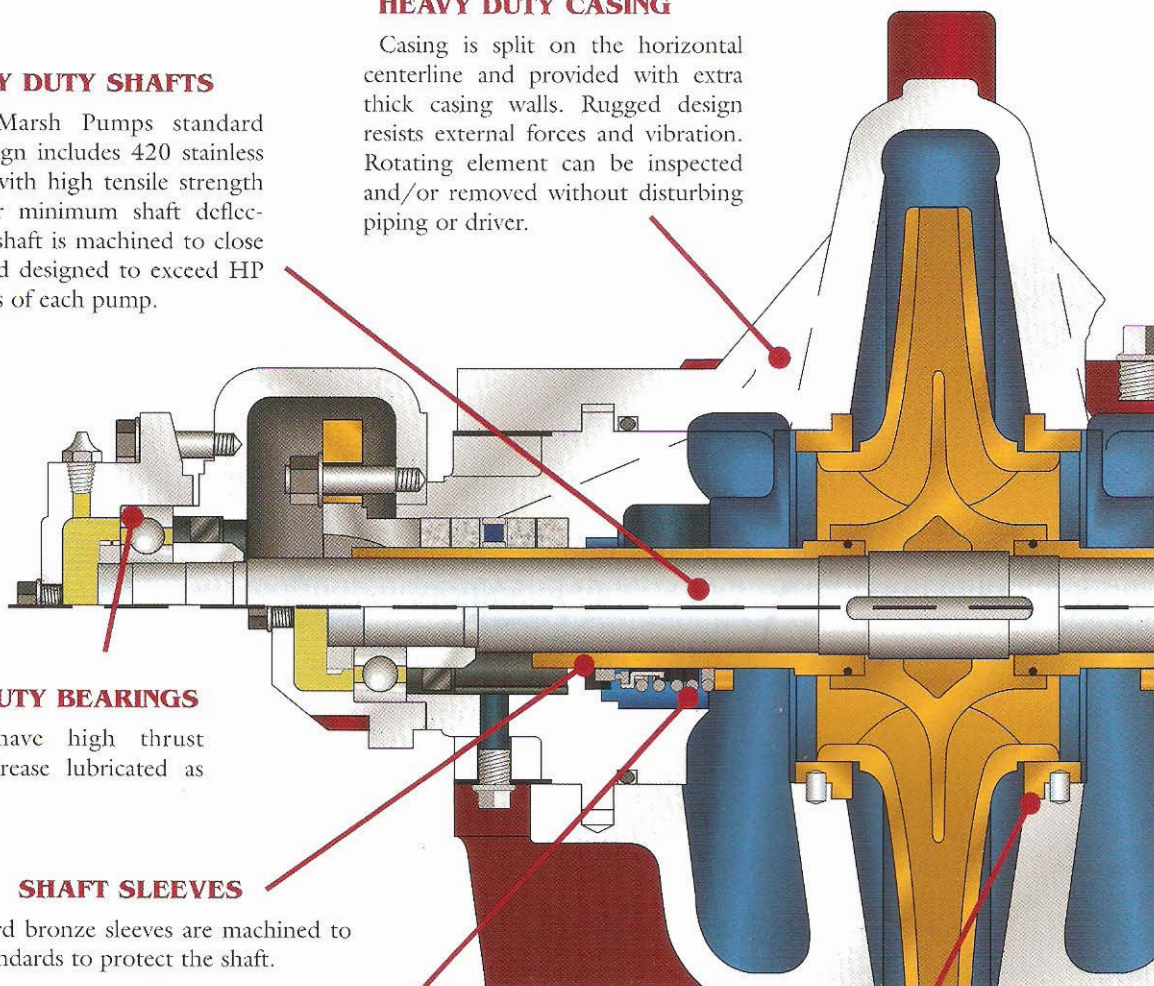
Nearly all designs are available in alternate metallurgy constructions

HEAVY DUTY SHAFTS

American-Marsh Pumps standard product design includes 420 stainless steel shafts with high tensile strength designed for minimum shaft deflection. Each shaft is machined to close tolerance and designed to exceed HP requirements of each pump.

HEAVY DUTY CASING

Casing is split on the horizontal centerline and provided with extra thick casing walls. Rugged design resists external forces and vibration. Rotating element can be inspected and/or removed without disturbing piping or driver.



HEAVY DUTY BEARINGS

Bearings have high thrust capability. Grease lubricated as standard.

SHAFT SLEEVES

Standard bronze sleeves are machined to exact standards to protect the shaft.

MECHANICAL SEALS/ PACKING

Stuffing Box can be provided with low leak packing or mechanical seal as required by the customer and application.

WEAR RINGS

Standard case wear rings permit easy maintenance of proper running clearances, and are oversized with large wearing surfaces to extend the life of each pump. Rings are available in bronze, iron, stainless steel or other alloys as required.

OTHER PUMP PRODUCTS

MULTI-STAGE
To 8" Discharge
4800 GPM, 2100'

END SUCTION
To 12" Discharge
9000 GPM, 450'

VERTICAL SUMP
To: 12" discharge
9000 GPM, 450'

REGENERATIVE TURBINE
To 2-1/2" Discharge
140 GPM, Heads to 750'

SELF PRIMER
To 12" Discharge
6400 GPM, 260'