



Flanged Spacer Type Coupling

Permits easy maintenance of thrust bearings and mechanical seals without disturbing or removing the driver

Non-Sparking Screen Coupling Guard

Provides safety while allowing visual inspection of coupling and mechanical seal areas

ISO 21049/API 682 Compliant Mechanical Seal Chamber

Accommodates all cartridge-mounted seal designs, including: single and dual pressurized or unpressurized liquid; and gas designs

Discharge Head With In-Line Flanges

Is available in any required rating and incorporates all gauge, vent and drain connections

Stiff Shaft Design

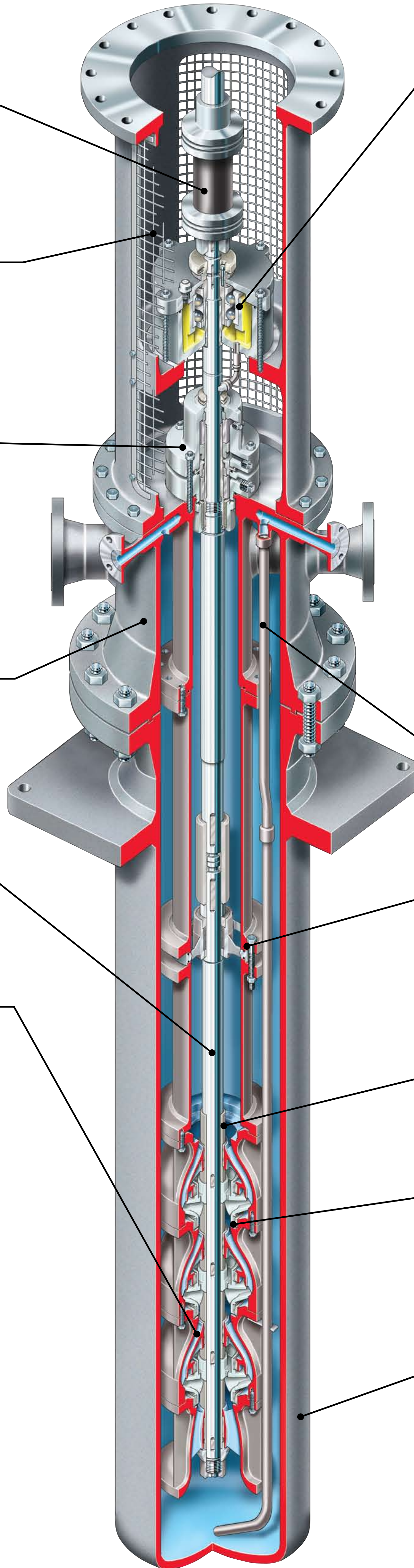
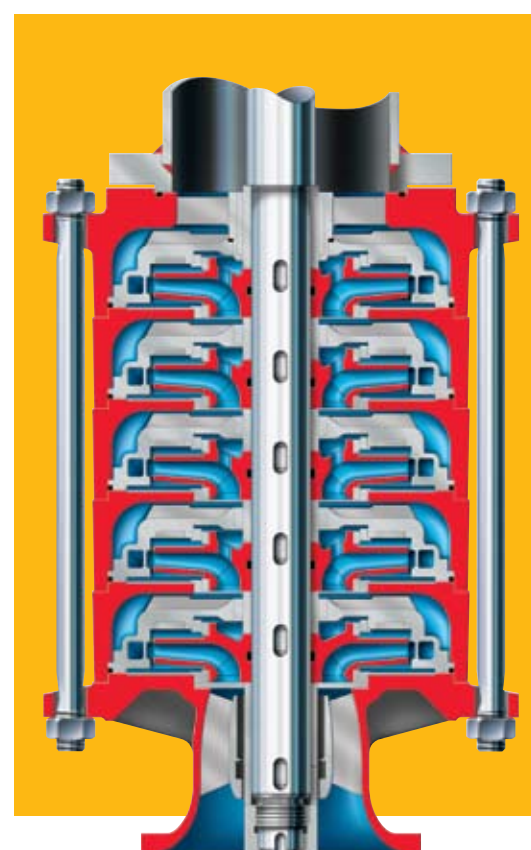
Ensures stable operation under all service conditions

Mixed Flow Hydraulics With Integral Diffuser Design

Provides high flows at moderate pressures and fully complies with ISO 13709/API 610 (VS6) criteria

Available Radial Flow Hydraulics With Tie Bolt Design

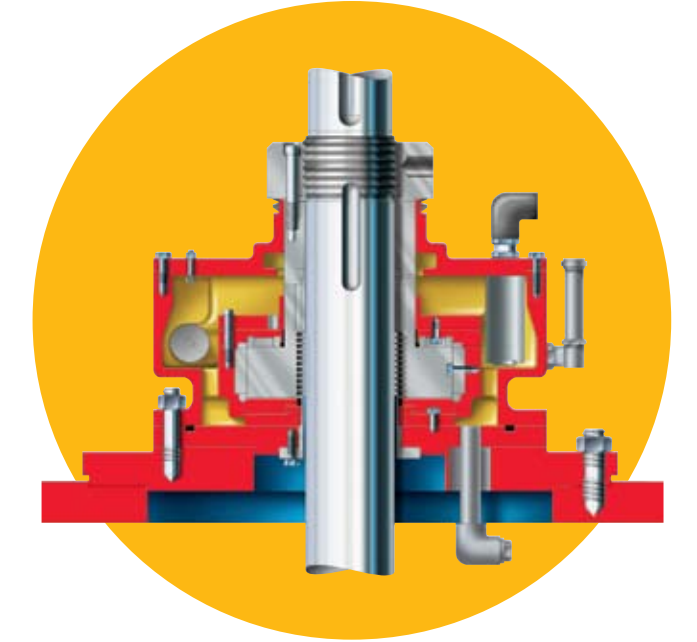
Delivers high heads and high pressures



Separate Axial Thrust Bearing Assembly

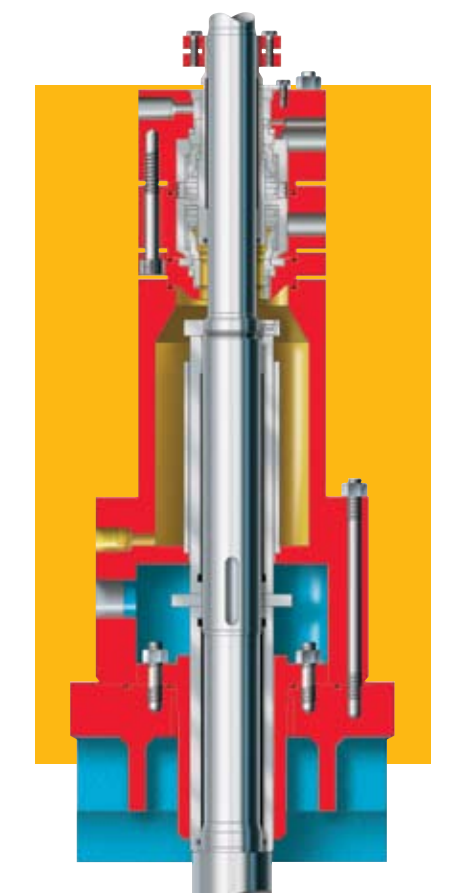
Withstands total hydraulic thrust and rotor weight:

- Self-contained oil-lubricated, anti-friction bearings for standard applications
- Tilting pad thrust bearings for high horsepower or high thrust applications, permitting the use of standard motors



Available Cofferdam System

Provides a gas barrier between the pumped fluid and the mechanical seal to prevent icing in cryogenic applications



Inside Drain Line

Permits complete and easy draining of the suction barrel

Centerline Aligned and Flanged Columns

Ensure total indicator readings well within API 610 limits

Guide Bushings and Bearings

Are selected to meet fluid requirements

Casing and Impeller Wear Rings

Prevent galling, allow economical retention of operating efficiency and maintain mechanical stability

Low-Suction Velocity Can Design

Results in optimum hydraulic inlet conditions at the suction bowl inlet