



**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**

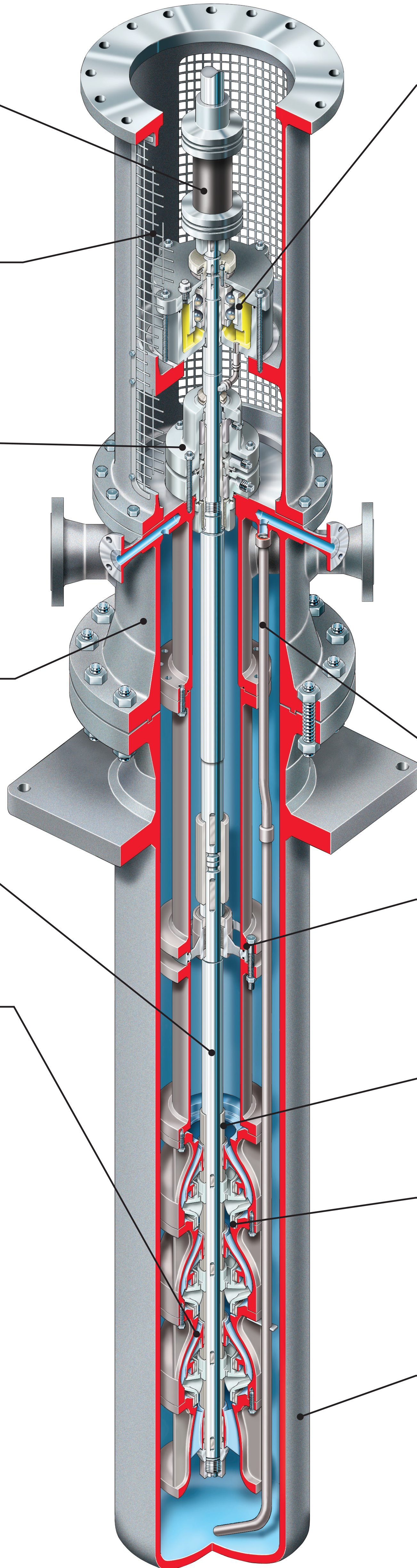
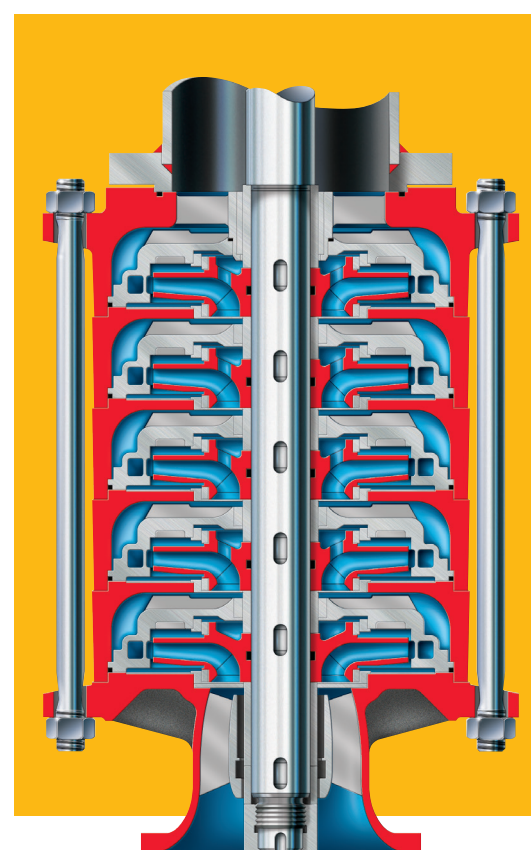
Ensures stable operation under all service conditions

**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**

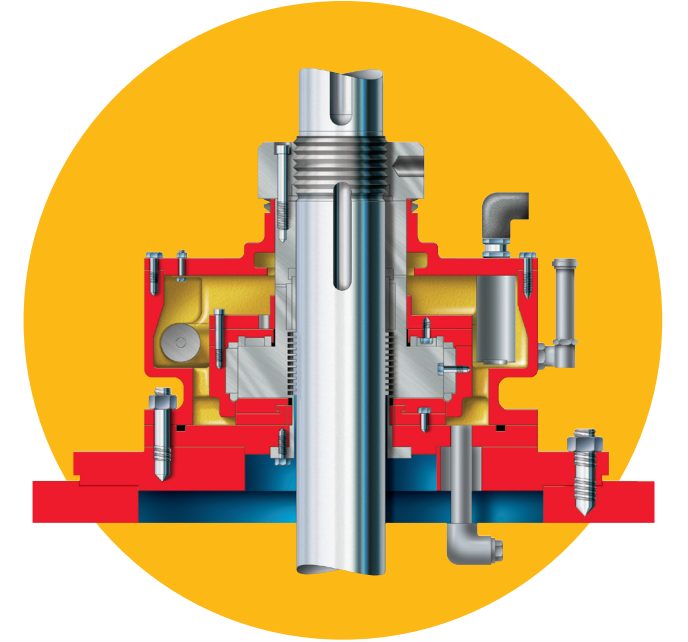
Delivers high heads and high pressures



**Separate Axial Thrust Bearing Assembly**

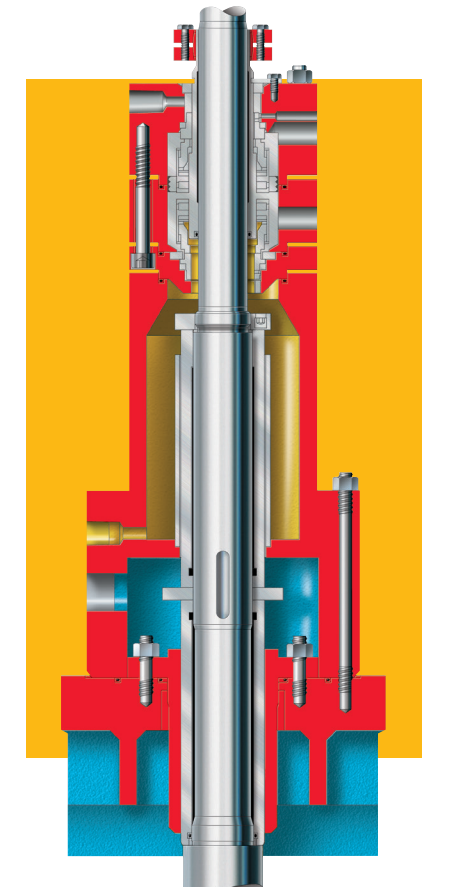
Withstands total hydraulic thrust and rotor weight:

- 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 Coffer Dam 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