

TVSP SERIES

API 610 10th ed. Vertical Sump Pump(VS4)

- Max.Capacity : 400m³/h (1800GPM)
- Max.Head : 280m (920ft)
- Temperature : 400°C (13500°F)
- Allowed Pressure : 40kg/cm² (570psi)
- Power : 360kw (480HP)
- Material : DCI, WCB, CF8, CF8M, CF3, CN7M, ALLOY20, CD4MCU
- Compliant disc coupling balanced to AGMA class 9
- Fully compliant bearing spans
- 300# discharge flanges as standard
- Integral lifting eyes

The TRUFLO TVSP(Vertical Sump Pump)Designed for the Total Range of Industry Services.

The TRUFLO TVSP meets requirements of API 610 (VS4) specifications.

A range of impeller and casing designs allows that the pump's hydraulic characteristics to be tailored to service requirements.

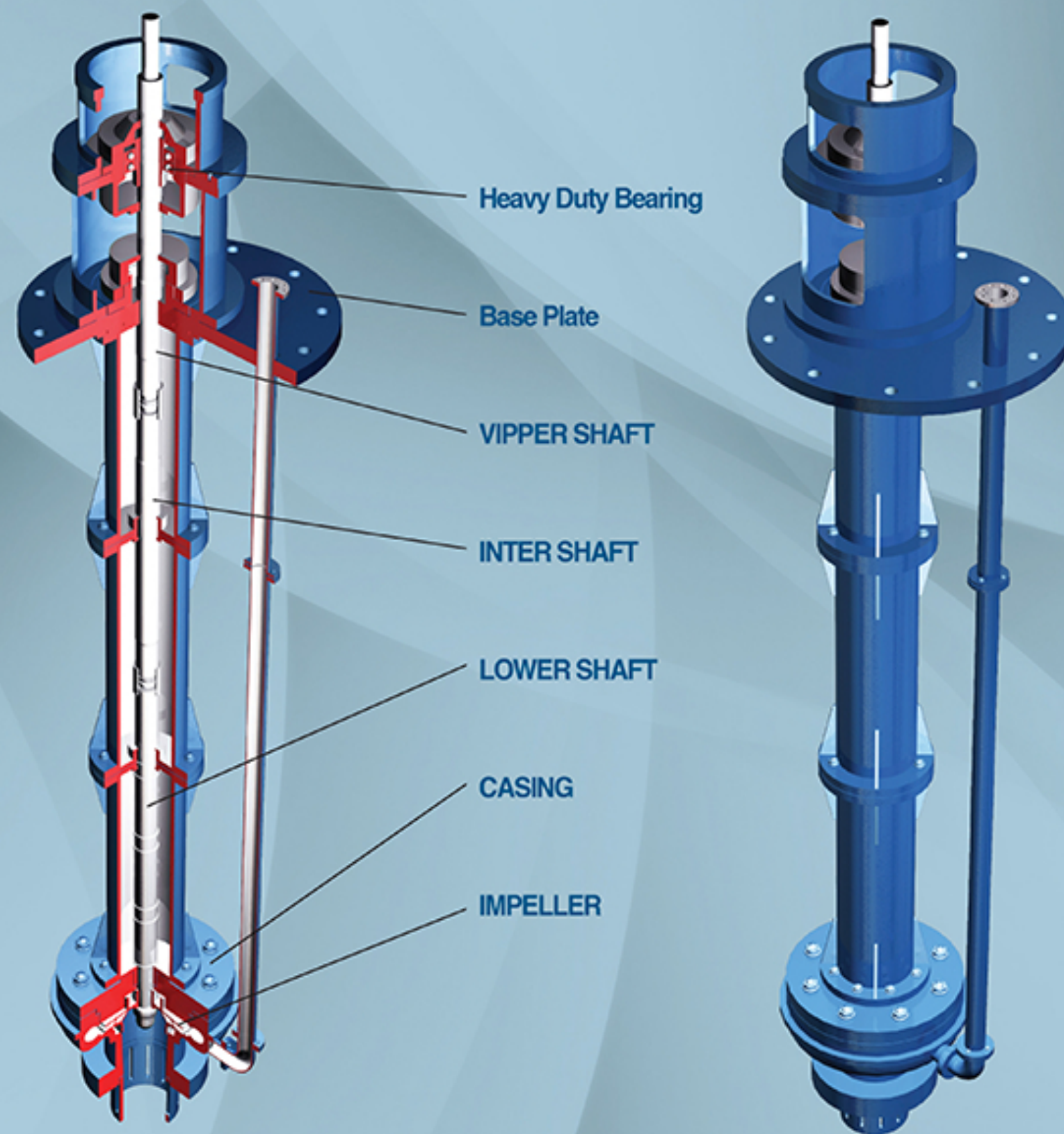
These pumps are the reliable installation system for all sump service

The simple construction of TRUFLO VS4 pump offers ease of maintenance and installation.

APPLICATION

- Petrochemical processing
- Chemical processing
- Refinery offsites
- Drainage
- High temperature transfer
- Gas and coal processing
- Liquid sulfur
- Molten salts
- Slops

014. TVSP serie



Pump Casing and Cover

features metal to metal fit with fully confined, controlled compression gasket to endure proper sealing and alignment

Dynamically Balanced Precision Cast Impeller

limits vibration and ensures smooth operation over a wide flow range. An anti-rotation impeller nut positively locks the impeller to the shaft without exposing its threads to the pumped fluid

API 682 Seal Chambers

allow for installation of cartridge style single, dual unpressurized and dual pressurized mechanical seals to meet required safety and environmental requirements

Hydraulic Designs

A TYPE

Closed multivane impeller with front and back wear rings

B TYPE

Steam jacketed casing

Mandatory for liquid sulfur service

Heavy Duty Bearing

a thrust pot with API 40° angular contact bearings in back-to-back arrangement. This enables standard (non thrust) electrical motors to be used and fulfills API 610 bearing life criteria. Lineshaft bearings are available in several metallic and non-metallic materials to suit application needs:

- Carbon
- Cast iron (for liquid sulfur service)
- SIC
- PEEK

Available Baseplate Designs

- Rectangular
- Non pressurized
 - Foundation or steel structure mounting
- Circular
 - ANSI 150 lbs
 - ANSI 300 lbs
- Customer specific dimensions

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