

**CPXV  
ISO & API  
Vertical Sump  
Pump**

**Vertical Sump Pump**

Flowserve's CPXV is a vertical sump pump incorporating state-of-the-art hydraulic design for efficient and reliable service.

The CPXV can be customized to meet a wide range of needs. Compliant with ISO 5199, the CPXV is available in 40 hydraulic wet-ends and a wide variety of materials of construction. It is also available with multiple mechanical seal options and sump depths.

The CPXV is also available in an API 610 compliant version.

**Operating Parameters**

- Flows to 1400 m<sup>3</sup>/h (6160 US gpm)
- Heads to 250 m (820 ft)
- Temperatures from -40°C (-40°F) to 350°C (660°F)
- Pressures to 25 bar (365 psi)
- Speeds to 4700 rpm

**Modular Construction** ensures installation flexibility with a standard column length of 0.5 m (1.6 ft), which equates to a minimum sump depth of 0.7 m (2.3 ft)

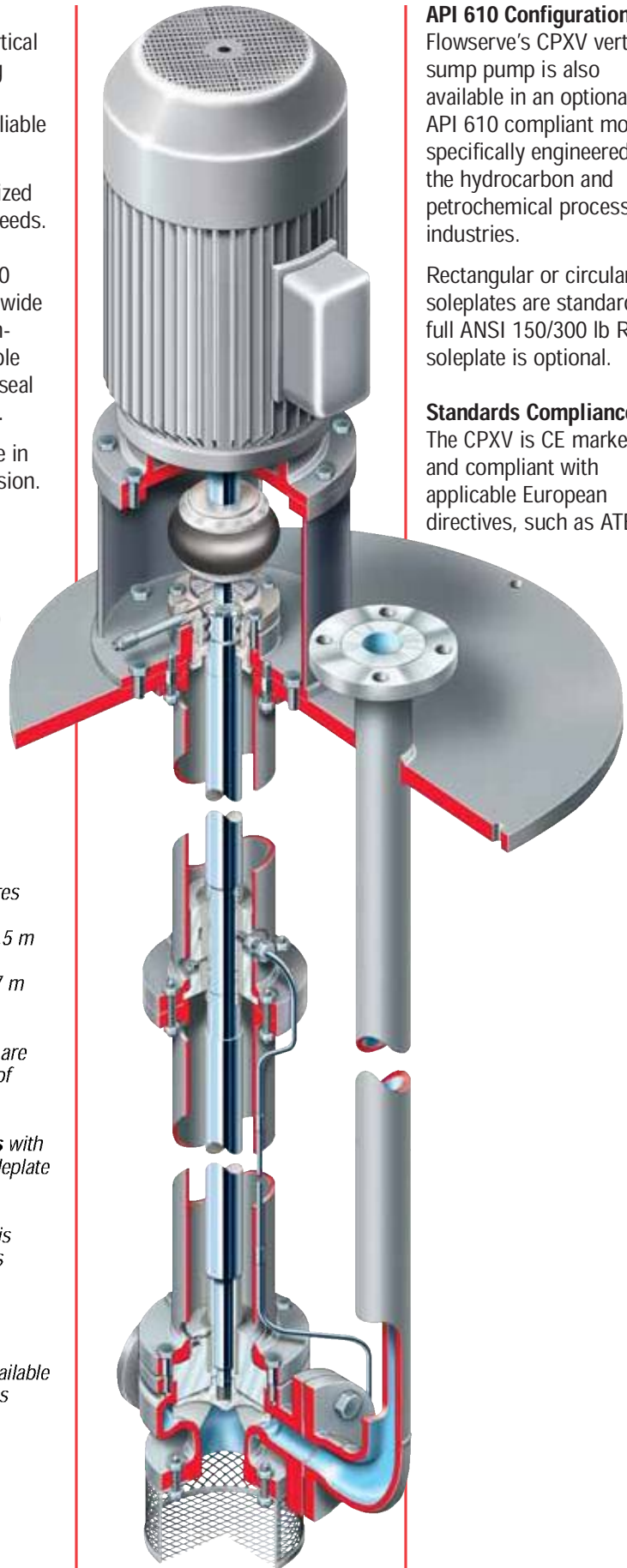
**Additional Column Lengths** are provided up to a maximum of 10 m (32 ft)

**Heavy-Duty Thrust Bearings** with axial adjustment made at soleplate level

**Recessed Impeller** version is available for enhanced solids handling capability

**Suction Strainer** optional

**Fully Jacketed** version is available for molten sulfur applications



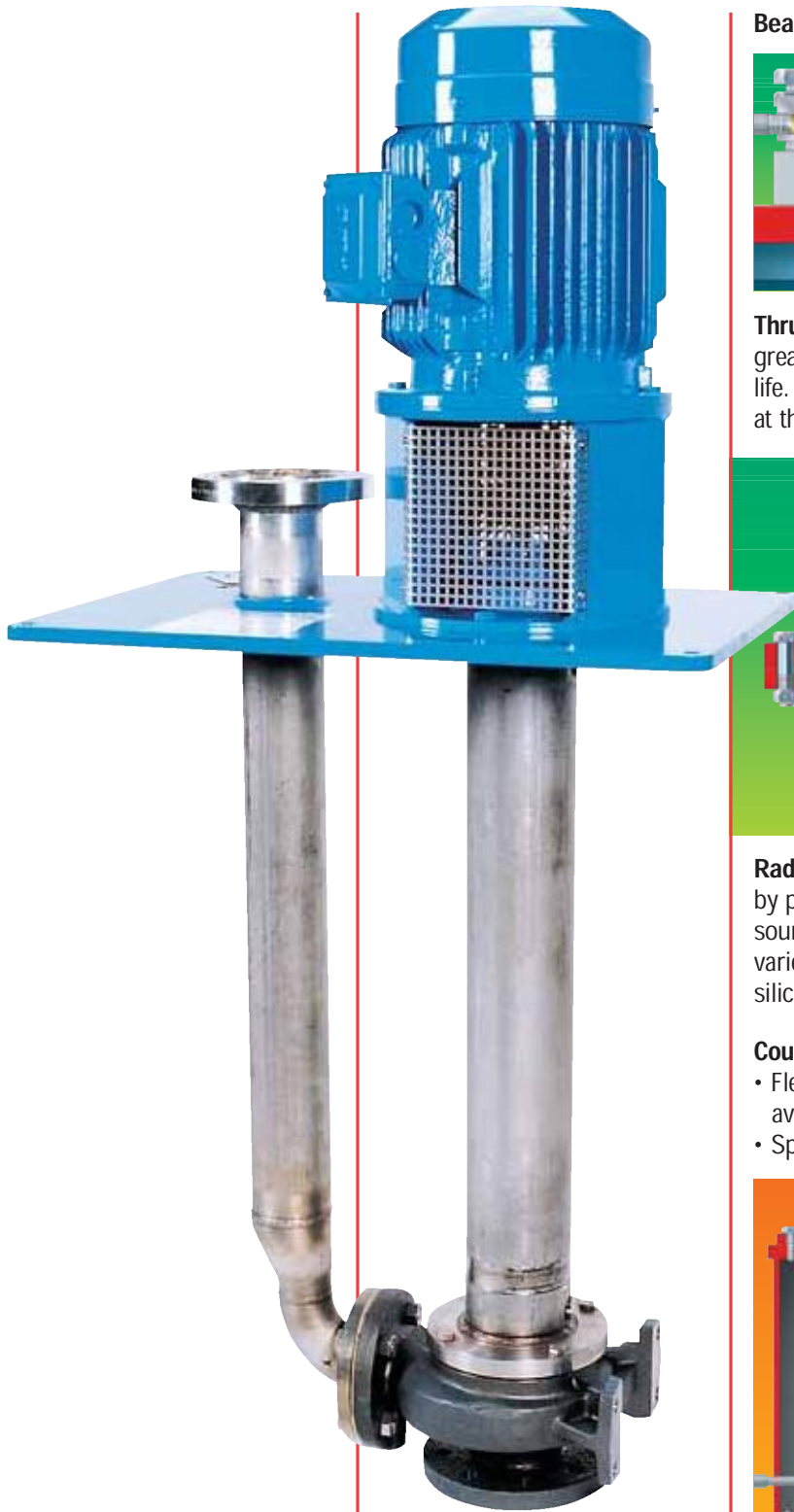
**API 610 Configuration**

Flowserve's CPXV vertical sump pump is also available in an optional API 610 compliant model, specifically engineered for the hydrocarbon and petrochemical processing industries.

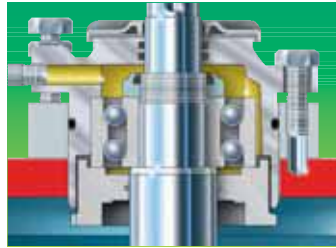
Rectangular or circular soleplates are standard. A full ANSI 150/300 lb RF soleplate is optional.

**Standards Compliance**

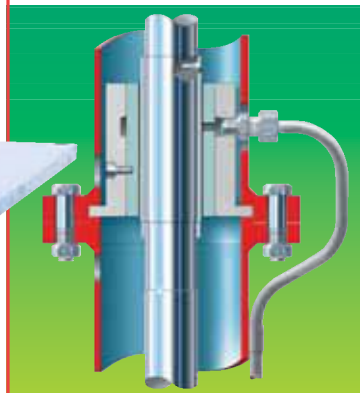
The CPXV is CE marked and compliant with applicable European directives, such as ATEX.



**Bearing Options**



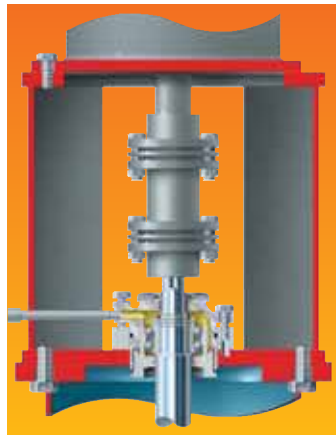
**Thrust Bearings** are heavy-duty grease lubricated or sealed-for-life. Either allows axial adjustment at the soleplate.



**Radial Bearings** can be flushed by product or from an external source and are available in a variety of materials, including silicon carbide.

**Couplings**

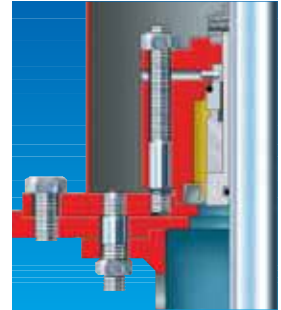
- Flexible disc coupling available
- Spacer coupling available



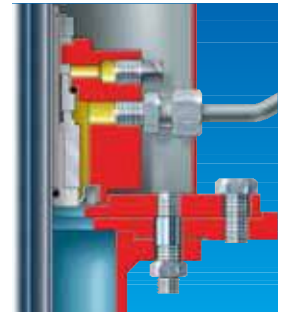
**Optional Spacer Coupling**

**Mechanical Seal Options**

A variety of mechanical seal options are available, from simple vapour sealing to tandem cartridge.



**Unbalanced Mechanical Seal**



**Balanced Mechanical Seal**

**Additional Options**

- Recessed impeller
- Vapour/mechanical seal option
- Fully jacketed version
- Various motor enclosures
- Rectangular or circular soleplates
- Full ASME (ANSI) Class 150/300 RF soleplate
- Non-spacer coupling