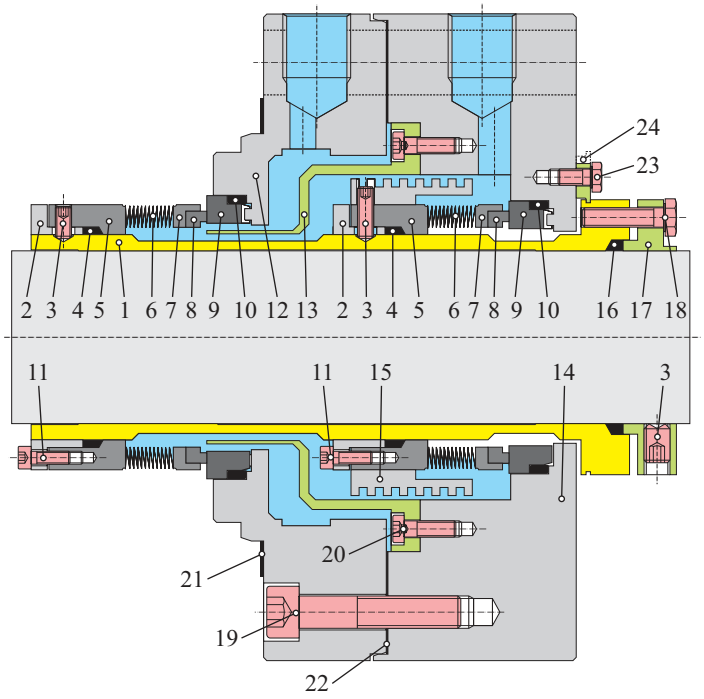
Type VD10 17D

API 682 Mechanical Seals

API 682 Type C, Arrangement 2 or 3



Item	Description
1.	Shaft sleeve
2.	Tightening ring
3.	Set screw
4.	Secondary seal
5.	Housing
6.	Metal bellows
7.	Seal Face Carrier
8.	Seal Face
9.	Stationary Seat
10.	Secondary seal
11.	Cap Screw
12.	Front Gland
13.	Steam Guide
14.	Back Gland
15.	Pumping Ring
16.	Secondary seal
17.	Tightening ring
18.	Hex Screw
19.	Cap Screw
20.	Cap Screw
21.	Gasket
22.	Gasket
23.	Hex Screw
24.	Assembly fixture

PRODUCT DESCRIPTION

API 682 Type C, Arrangement 2 or 3 - Type VD10 17D is a high-temperature, corrosion-resistant double cartridge metal bellows seal with a flow guide and integrated pumping ring, independent of shaft rotation direction. The pressure-balanced metal bellows and Inconel alloy material selection make this type superior, designed specifically for corrosive applications involving organic acids or sulfur compounds that attack most other materials at high temperatures. It is designed to seal fluids in a wide range of refinery applications, including hydrocarbons, crude oil products, aromatic fractionation products, and chemicals.

FEATURES

- API 682 Type C, Arrangement 2 or 3
- Easy-to-install double cartridge design
- Balanced metal bellows
- Inconel Alloy
- Independent of shaft rotating direction
- With stream guide
- Integrated pumping ring available
- Elastomers free

MATERIALS

- Seal face: Carbon, SiC
- Stationary seat: SiC, TC
- Secondary seal: Flexible Graphite
- Metal Parts: Alloy 718, Alloy 42, Alloy 625
- Optional materials on request

APPLICATION

- Hydrocarbons
- Refinery & Petrochemical industry
- Oil & gas industry
- Chemical industry

LIMITING FACTORS

- Shaft diameter: D1= 30...80mmm
- Pressure: p1= vacuum to 25 bar
- Temperature: t= -75°C...+425°C
- Sliding velocity: Vg= 25 m/s