

Product Description

1. API 682 Category 1, Type A, Arrangement 1
2. Single seal configuration
3. Balanced design
4. Independent of direction of rotation
5. Cartridge construction
6. Robust construction with solid seal face
7. Heavy duty solid seat design

Technical Features

1. Designed to accommodate shaft deflections and process fluctuations
2. Efficient construction for heat dissipation
3. Compact installation design
4. Factory assembled cartridge unit for easy installation
5. Springs are product protected to avoid contamination
6. Can accommodate reverse pressure
7. Can handle extensive applications in various temperatures and pressures
8. Versatile in design to fit various seal chambers

Industrial Application

- Chemical industry
- Petrochemical industry
- Oil and gas industry
- Highly volatile hydrocarbons
- Toxic and hazardous media
- Media with poor lubrication properties
- Low solids content and low abrasive media
- Vertical and horizontal ANSI chemical standard pumps

Operating Limits

Shaft diameter: $d_1 = 20 \dots 110$ mm

Pressure: $p_1 = 22$ bar

Temperature: $t = -40 \text{ }^\circ\text{C} \dots +176 \text{ }^\circ\text{C}$

Sliding velocity: $v_g = 23$ m/s

Note: Other Sizes On Request

Material Of Construction

Seal ring: Blister resistant carbon, Silicon carbide SSiC

Mating ring: Silicon carbide SSiC

Secondary seals: EPDM, NBR, FKM, FFKM

Springs: Hast'c, Alloy 276

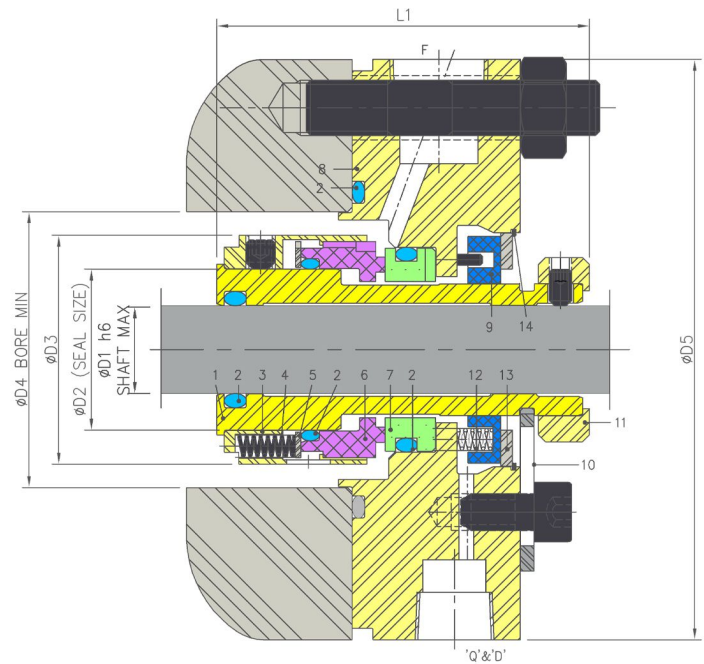
Metal parts: CrNiMo steel 316

Note: Other MOC Combinations On Request

Recommended Piping plans

Process side: 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 41, 32

Atmospheric side: 51, 61, 62, 65A, 65B, 66A, 66B



Item	Description
1	Sleeve
2	O- Ring
3	Cup
4,12	Spring
5	Thurst Washer
6	Seal ring(lb&Ob)
7	Mr(lb&Ob)
8	Gland
9	Setting Plate
10	Drive Collar
11	Centering tab
13	Retainer
14	Circlip