

# RXRH-RXRH-FF

API 682 4th Edition Category 2 & 3  
 Seal type C (Rotating)  
 Configuration 3CW-FF (Contacting Wet - Face-to-Face)

## Product Description

1. API 682 Category 2 and 3, Type C, Arrangement 2 & 3 seal
2. Dual seal in face-to-back configuration
3. Balanced design
4. Independent of direction of rotation
5. Cartridge construction
6. For plain shafts
7. Rotary metal bellows design
8. Shrink fitted seal rings and solid mating rings

## Technical Features

1. Suitable for high and low temperature application
2. Compact design
3. No dynamically loaded O-ring which reduces chances of seal face hang-up.
4. Pumping screw for media with higher viscosity also available
5. Short installation length possible
6. Rugged design for long operating life
7. Bellows design efficiently ensure self-cleaning
8. Bellows design minimizes variation in face load due to shaft expansion or face wear
9. Resistant to abrasive particles in the medium, no shaft or sleeve fretting

## Industrial Application

- Refining technology
- Oil and gas industry
- Petrochemical industry
- Chemical industry
- Power plant technology
- LPG plants
- API 610/ISO 13709 pumps
- Process pumps

## Operating Limits

**Shaft diameter:** : d1 = 20 ... 110 mm

**Pressure:** p1 = ... 20 bar

**Temperature:** t = -130 °C ... +400 °C

**Sliding velocity:** vg == 50 m/s

**Note:** Other Sizes On Request

## Material Of Construction

**Seal rings:** Blister resistant carbon

**Mating rings:** Silicon carbide SSiC, RBSiC

**Bellows:** Hastelloy® C-276 ,

**Option:** Inconel® 718

**Secondary seals:** Graphite

**Metal parts:** CrNiMo steel 316

**Carpenter® 42 (T4)**

**Note:** Other MOC Combinations On Request

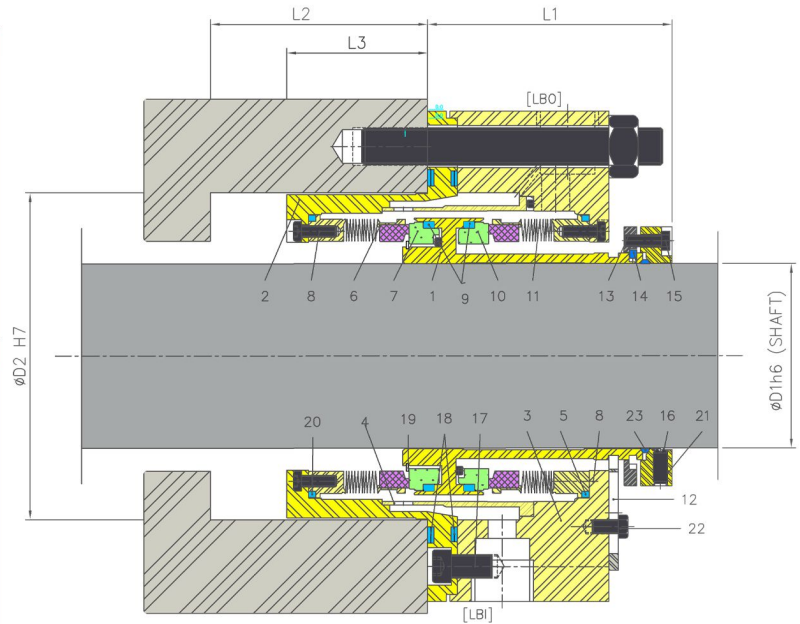
## Recommended Piping plans-3CW-FF

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

**Between seals:** 53A, 53B, 53C, 54

**Atmospheric side\*:** 61, 62, 65A, 65B

\* Throttle bushing on request



Item	Description
1	Sleeve
2	Inner Gland
3	Outer Gland
4	Inner ring
5,9,18 20,23	Grafoil Pack
6,11	Seal ring
7,10	MR (Ib&Ob)
8,17	Soc Head Screw
12	Setting plate
13	Adjusting collar
14	Split ring
15,22	Hex bolts
16	Soc Set Screw
19	Snap ring
21	Drive Collar
23	Sleeve packing