

### Product Description

1. API 682 Category 2 and 3, Type C, Arrangement 1 seal
2. Single seal 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 ring and solid stationary ring

### Technical Features

1. Compact construction
2. Balanced bellows design allows installation on plain sleeve
3. Elimination of seal face hang up due to absence of dynamic O-Ring
4. Face load variation is minimised due to bellows design on account of shaft expansion or face wear
5. Resistance to abrasive particles in the medium, no shaft or sleeve fretting
6. Narrow seal face width leads to low heat generation and power consumption
7. Extended seal life

### Industrial Application

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

### Operating Limits

**Shaft diameter:** d1 = 20 ... 110 mm  
**Pressure:** p1 = 25 bar  
**Temperature:** t = -75 °C ... +400 °C  
**Sliding velocity:** vg = 23 m/s

Note : Other Sizes On Request

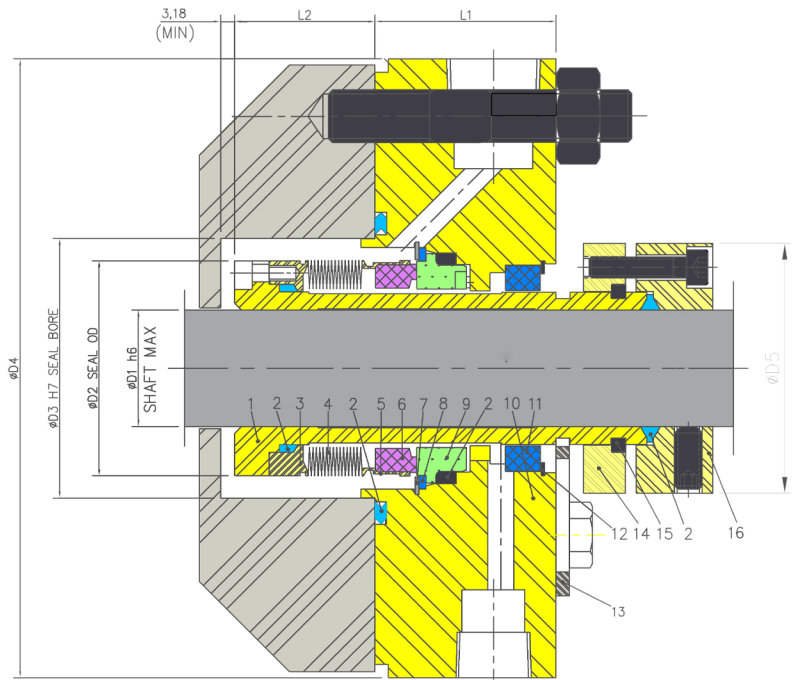
### Material Of Construction

**Seal ring:** Blister resistant carbon, Silicon carbide SSiC , RBSiC  
**Mating ring:** Silicon carbide SSiC , RBSiC  
**Bellows:** Inconel® 718  
**Secondary seals:** Graphite)  
**Metal parts:** CrNiMo steel 316 , Carpenter® 42

Note : Other MOC Combinations On Request

### Recommended Piping plans-1CW-FX

**Process side:** 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41  
**Atmospheric side:** 51, 61, 62, 65A, 65B, 66A, 66B



Q&D

Item	Description
1	Sleeve
2	Gasket
3	Adapter
4	Bellow Core
5	Flange
6	Seal ring
7	Snap ring
8	Retaining ring
9	Mr (Ib&Ob)
10	Gland
11	Throttle bush
12	Circlip
13	Centering tab
14	Adjusting Collar
15	Spilt ring
16	Drive Collar