

RELY ON EXCELLENCE

## H75LG4-C

API 682 4th edition | Mechanical seals | Balanced pusher seals



### Features

- API 682 Category 2 und 3, Type A, Arrangement 2 seal
- Dual seal in face-to-back arrangement
- Cartridge unit
- Rotating multiple springs
- Dry non-contact outer seal (containment seal)

### Advantages

- Universally applicable both for retrofits or original equipment
- Efficient stock keeping due to standardized components
- Extended selection of materials
- Metal parts also in special materials available
- Designed for vaporizing media
- Operation close to vapor pressure

### Operating range

Shaft diameter:

d1 = 20 ... 110 mm (0.79" ... 4.33")

Pressure: p1 = 20 bar (290 PSI)

Temperature:

t = -40 °C ... +176 °C (-40 °F ... +350 °F)

Sliding velocity:

vg = 4 ... 23 m/s (13 ... 76 ft/s)

Axial movement: ±1.0 mm

### Materials

Seal rings: Blister resistant carbon

Mating rings:

Silicon carbide SSiC (Q1), RBSiC (Q2)

Secondary seals:

EPDM (E), NBR (P), FKM (V), FFKM (K)

Springs: Hastelloy® C-4 (M)\* and C-276 (M5)

Metal parts: CrNiMo steel 316 (G) or equivalent, optional materials on request.

\* EagleBurgmann standard

### Standards and approvals

- API 682 / ISO 21049
- API 682 4th ed. Cat. 2/3 - 2NC-CS
- API 682 4th ed. Cat. 1 - 2NC-CS

### Recommended applications

- Media with gaseous leakage
- Refining technology
- Petrochemical industry
- Chemical industry
- Oil and gas industry
- CCUS
- API 610 / ISO 13709 pumps
- Process pumps

### Recommended piping plans

Process side:

[API Plan 02](#)

[API Plan 03](#)

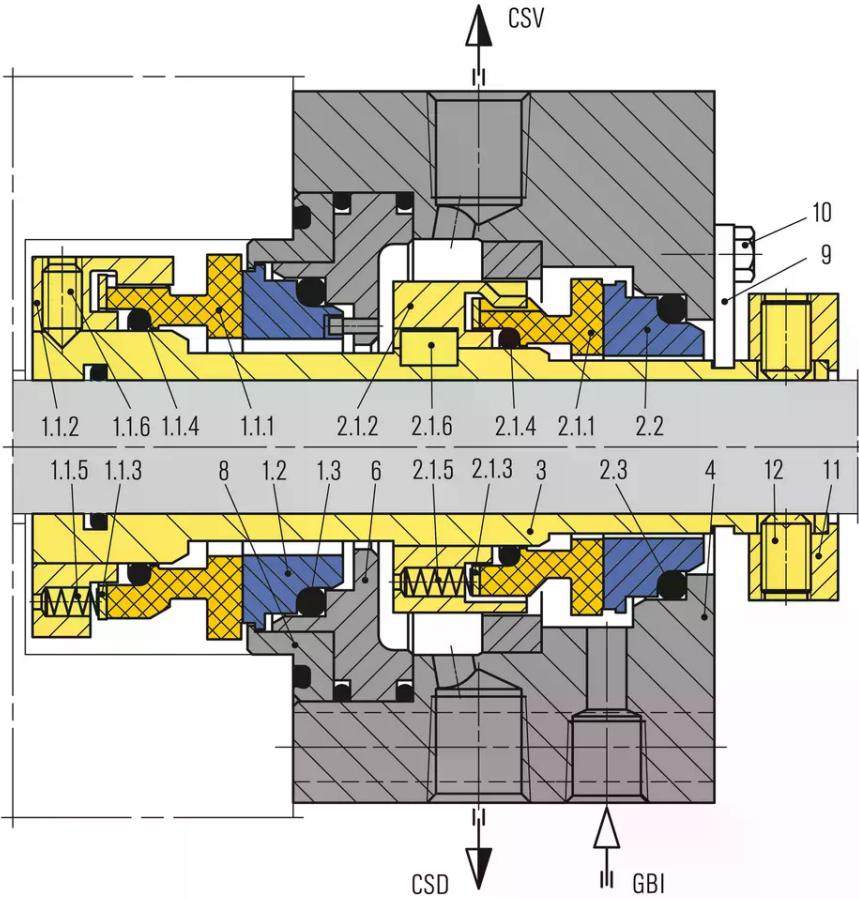
Between seals:

[API Plan 71](#)

[API Plan 72](#)

[API Plan 76](#)

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Item	Description
1.1.1, 2.1.1	Seal ring
1.1.2, 2.1.2	Driver
1.1.3, 2.1.3	Thrust ring
1.1.4, 1.3, 2.1.4, 2.3	O-Ring
1.1.5, 2.1.5	Spring
1.1.6, 12	Set screw
1.2, 2.2	Mating ring
2.1.6	Key
3	Seal sleeve
4	Gland plate
6	Insert
8	Fixing ring
9	Setting device
10	Hexagon bolt
11	Set ring

CSV Containment seal vent  
 CSD Containment seal drain  
 GBI Gas buffer IN