EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

H75A4-C

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

Features

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

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
- Safe operation due to metal torque transmission at the rotating carbon seal rings

Operating range

Shaft diameter:
d1 = 20 ... 110 mm (0,79" ... 4,33")
Pressure: p1 ... 42 bar (609 PSI)
Temperature:
t = -40 °C ... +176 °C (-40 °F ... +350 °F)
Sliding velocity: vg = 23 m/s (76 ft/s)
Axial movement: ±1.0 mm

Materials

Seal rings: Blister resistant carbon, Silicon carbide SSiC (Q1), RBSiC (Q2)
Mating rings:
Silicon carbide SSiC (Q1), RBSiC (Q2)
Secondary seals:
EPDM (E), NBR (P), FKM (V), FFKM (K)
Springs: Hastelloy® C-276 (M5)
Metal parts: CrNiMo steel 316 (G) or equivalent, optional materials on request. Dimensions on request.

Standards and approvals

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

Recommended applications

- Media with gaseous leakage
- Refining technology
- Petrochemical industry
- Oil and gas industry
- CCUS
- Hydrogen
- Sustainable plastics production
- Alternative fuels production
- API 610 / ISO 13709 pumps
- Process pumps

Recommended piping plans

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

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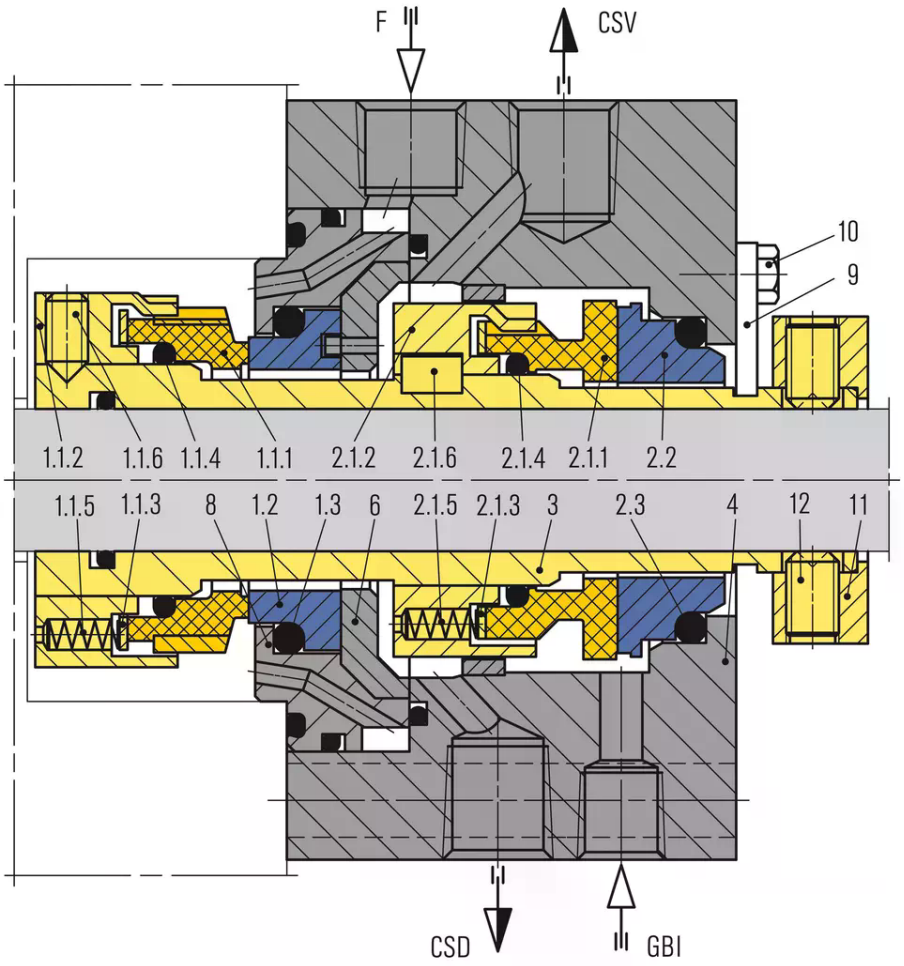
All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications means, however, that they can serve only as guide values.
We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. Subject to change.



Between seals:
API Plan 71
API Plan 72
API Plan 75
API Plan 76

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

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

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