

B750VK-GSPH

API 682 4th Edition Category 2 & 3
Seal Type A (Rotating)
Configuration 2CW-CS (Contacting Wet – Containment Seal)

Product Description

1. API 682 Category 2 and 3, Type A, Arrangement 2 seal
2. Dual seal in face-to-back configuration
3. Balanced design
4. Non contact outer seal (containment seal)
5. Cartridge construction
6. Rotating unit with multiple springs

Technical Features

1. Suitable for both, retrofits and original equipment
2. Varied selection of materials available
3. Safe operation due to metal torque transmission at the rotating carbon seal rings

Typical Industrial Applications

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

Performance Capabilities

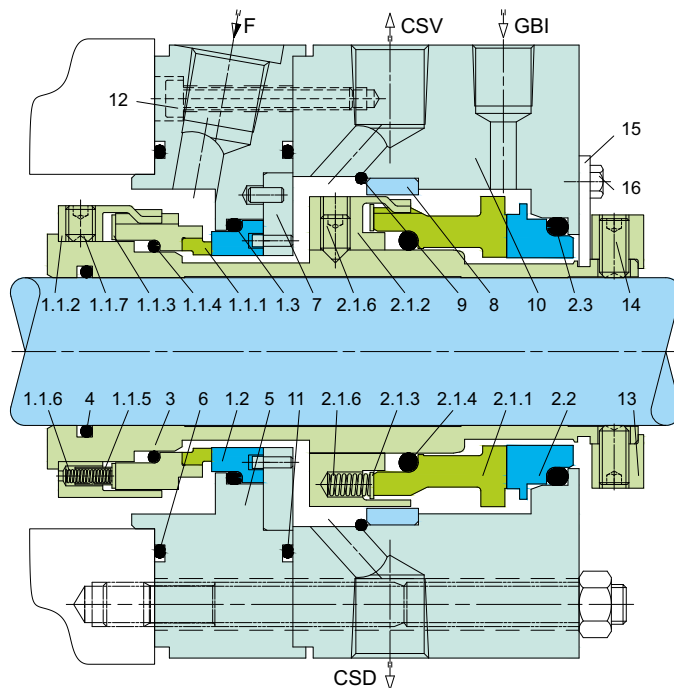
Shaft diameter: $d = 20 \dots 110 \text{ mm}$ (0.79" ... 4.33")
Pressure: $p_1 = 42 \text{ bar}$ (609 PSI)
Temperature: $t = -40 \text{ }^\circ\text{C} \dots +176 \text{ }^\circ\text{C}$ (-40 °F ... +350 °F)
Sliding velocity: $v_g = 23 \text{ m/s}$ (76 ft/s)
Axial movement: $\pm 1.0 \text{ mm}$

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.

Recommended piping plans

Process side:
01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41
Between seals: 71, 72, 75, 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, 4, 6, 11	O-ring
1.1.5,	Spring sleeve
1.1.6, 2.1.5	Spring
1.1.7, 2.1.6, 14	Set screw
1.2, 2.2	Mating ring
3	Shaft sleeve
5	Intermediate gland
7	Washer
8	Throttle bush
9	Retaining ring
10	Cover
12	HSH cap screw
13	Set ring
15	Assembly plate
16	Hexagon bolt
F	Flush
GBI	Gas Buffer IN
CSV	Containment Seal Vent
CSD	Containment Seal Drain