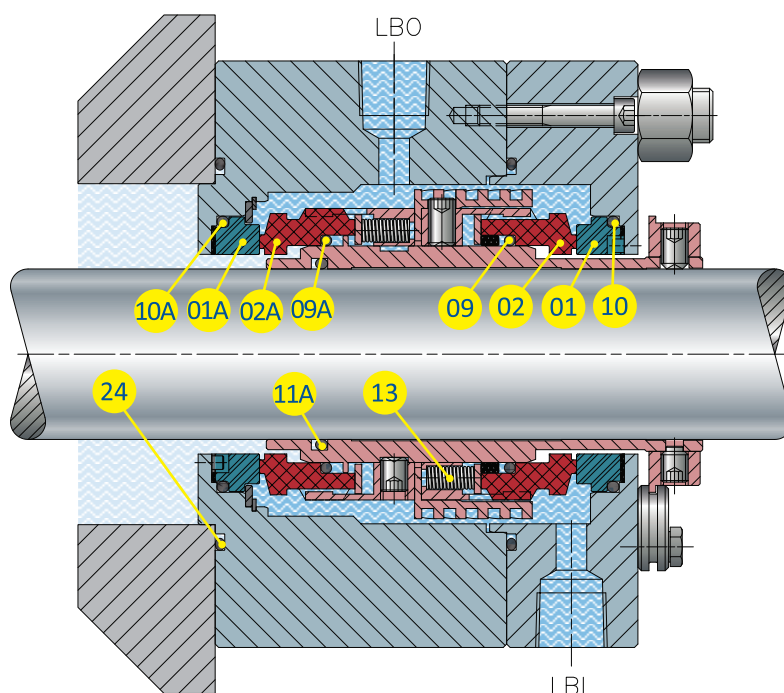


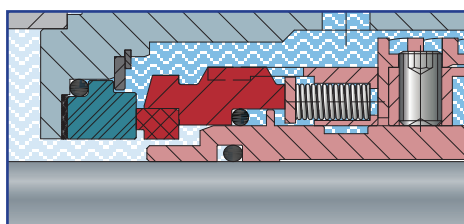


ADVANTAGES

Dual cartridge seal in compliance with standard API 682 4th edition in back-to-back version. With pressurised barrier liquid protecting against process emissions into the atmosphere. Seal widely used and appreciated thanks to its sturdiness and capability of withstanding high mechanical stress. The pressurised barrier liquid acts outside of the seal and stimulates the rings by compression thus restricting deformations if subject to extreme limits.

FEATURES

- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- The balanced opposed dual cartridge solution is ideal for arrangement 2 and 3 with auxiliary fluid at atmospheric pressure (buffer) or pressurised (barrier)
- Reverse pressure balanced cartridge seal, hydraulically sized to accept the greater reverse pressure in case of accident
- Dual direction of rotation
- Solid sealing rings
- Drive system with three “Fluiten designed spine” recognised as being the only one reliable and resistant to vibrations and shaft misalignments
- Efficient circulation device of the auxiliary liquid
- Connections IN-OUT for auxiliary liquid
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for API horizontal and vertical pumps



BM6B with inserted ring

RECOMMENDED PLANS

Product side: 02, 03.
Atmosphere side: 53A/B/C, 54.

COMPONENTS KEY (standard materials)

- 01** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
- 01A** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
- 02** Integral rotary ring: graphite antimony impregnated (Z11)
- 02A** Integral rotary ring: graphite antimony impregnated (Z11), inserted silicon carbide (U32), inserted tungsten carbide bound nickel (K22)
- 09** Rotary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 09A** Fluoroelastomer rotary ring gasket: (V), EPDM (D), FFKM (G720)
- 10** Stationary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 10A** Stationary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 11A** Sleeve gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 13** Springs: Hastelloy (I)
- 24** Flange gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)

Operating limits

DIAMETER [mm]	FROM 20 TO 110
SPEED [m/s]	≤ 23
TEMPERATURE [°C]	FROM -40 TO 176
PRESSURE PROCESS [bar]	FROM VACUUM TO 40

Operating limits differing from those reported can be defined and approved by our Sales Technical Department. The indicated speed and pressure values are not absolute limits but are evaluated by calculating their P V product and also by taking into account the temperature and chemical/physical features of the fluid. For this reason, maximum pressure, speed, temperature and shaft diameter values cannot be combined together.