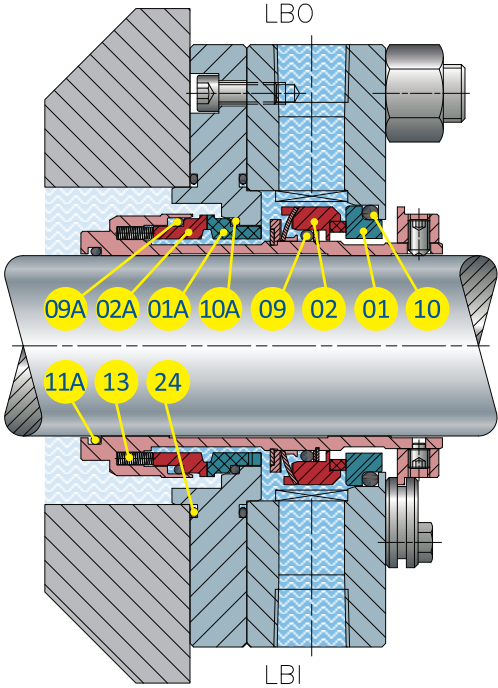


COMPONENTS KEY
(standard materials)

- 01** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31)
01a Stationary ring: graphite antimony impregnated (Z11), reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
02 Inserted rotary ring: graphite loaded antimony (Z12)
02a Rotary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
09 Rotary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
09a Rotary ring gasket: fluoroelastomer (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)
11 Sleeve 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)



ADVANTAGES

Dual cartridge reverse pressure seal complete with flange and sleeve, is it designed in compliance with standard API 682 4th edition. Product side seal with springs outside the process, especially recommended with dirty liquids and with suspended solids. The particularly compact overall size allows easy installation on existing pumps. For polluting or dangerous processes, standards require dual mechanical seal lubricated with a fluid. The level of danger will determine the choice of pressurised or unpressurised flushing and the choice of the auxiliary system: an auxiliary fluid with unpressurised system (CB8T) or an auxiliary fluid with pressurised system (CB8D).

FEATURES

- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- The balanced dual cartridge solution is ideal for arrangement 2 and 3 or with auxiliary fluid at atmospheric pressure (buffer) CB8T or pressurised (barrier) CB8D
- Version CB8D: zero emission into the atmosphere
- Dual direction of rotation
- Springs outside the product
- Solid sealing rings on process side
- Tested and unique driving system of the rotary ring, developed to be efficient in case of vibration, misalignment and wear of the sealing rings
- Connection for flushing or vent and IN-OUT for auxiliary liquid
- Circulation device of the auxiliary liquid with high heat dissipation capacity preventing the need for an external pump
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for ANSI horizontal and vertical pumps

Operating limits

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

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.

RECOMMENDED PLANS

CB8T

Product side: 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41. Atmosphere side: 52, 55.

CB8D

Product side: 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41.
Atmosphere side: 53A/B/C, 54.