

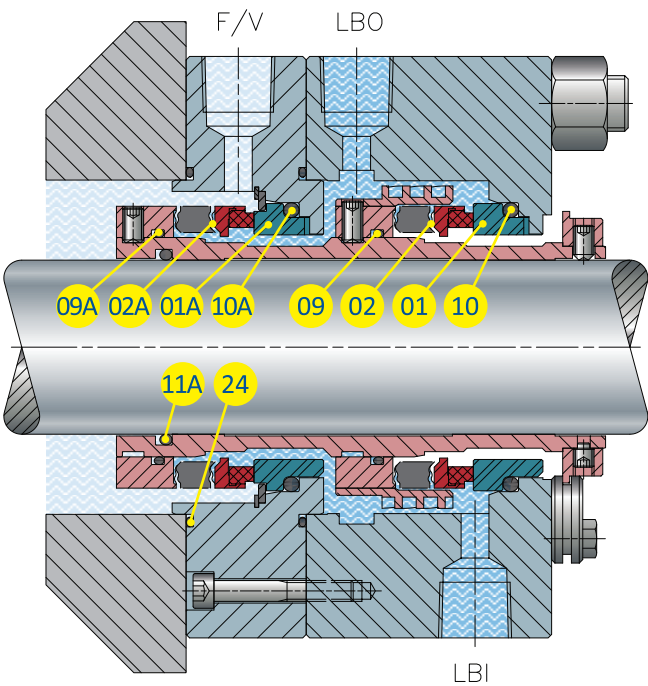
COMPONENTS KEY
(standard materials)

- 01** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31)
01A Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (U21)
02 Rotary bellows AISI316+Hastelloy and *inserted rotary ring*: graphite antimony impregnated (Z12)
02A Rotary bellows in AISI 316+Hastelloy and *inserted rotary ring*: graphite antimony impregnated (Z12), inserted reaction bonded silicon carbide (U42), inserted silicon carbide (U32), inserted tungsten carbide bound nickel (K22)
09 Fluoroelastomer rotary ring gasket: (V), EPDM (D), FFKM (G720)
09A Fluoroelastomer rotary ring gasket: (V), EPDM (D), FFKM (G720)
10 Fluoroelastomer stationary ring gasket: (V), EPDM (D), FFKM (G720)
10A Fluoroelastomer stationary ring gasket: (V), EPDM (D), FFKM (G720)
11A Fluoroelastomer sleeve gasket: (V), EPDM (D), FFKM (G720)
24 Fluoroelastomer flange gasket: (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 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.



ADVANTAGES

Dual cartridge seal with metal bellows designed in compliance with standard API 682 4th edition face-to-back. Available for flushing with pressurised liquid (TR8D) or non-pressurised liquid (TR8T). The gaskets of the seal are static and flexibility is guaranteed by the metal bellows. This makes the TR8D and TR8T versions especially suitable for liquids which crystallize or solidify in contact with the atmosphere and when the nature of the pumped liquid is not clear or defined. Also available with special materials resistant to chemically aggressive fluids.

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) TR8T or pressurised (barrier) TR8D
- Arrangement with metal rotary bellows
- The bellows solution in Category 1, with O-rings as secondary gaskets, is especially suitable for fluids which tend to crystallize in contact with the atmosphere where the possibility of an external wash is not guaranteed.
- Connection for flushing or vent and IN-OUT for auxiliary liquid
- Efficient circulation device of the auxiliary liquid
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for ANSI horizontal and vertical pumps

RECOMMENDED PLANS

TR8T:

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

TR8D:

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