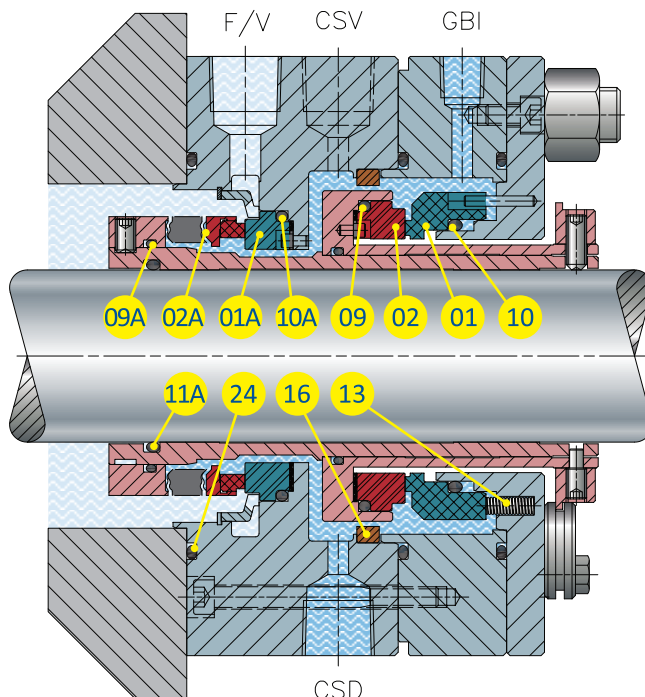




ADVANTAGES

Dual cartridge seal designed in compliance with standard API 682 4th edition with auxiliary seal suitable for dry running. Product side seal with rotary metal bellows. The gaskets of the seal are static and flexibility is guaranteed by the metal bellows. This makes TR6L especially suitable for liquids which crystallise or solidify in contact with the atmosphere and when the nature of the pumped liquid is not clear or defined. The secondary containment mechanical seal is the stationary type for high surface speeds. Fluiten's Fluigrad technology reduces the heat generated by the seal faces to a minimum.

FEATURES

- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- Cartridge solution, single balanced, with rotary metal bellows and secondary containment mechanical seal
- Dual direction of rotation
- The bellows solution with O-rings as secondary gaskets
- Recommended with liquids which tend to crystallize or when emissions into the atmosphere must be controlled
- Connections for flushing or vent and control of physiological leakages of the seal on the process side
- Uniform distribution system of multipoint injection flushing
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for API horizontal and vertical pumps

RECOMMENDED PLANS

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

Atmosphere side: 65A/B, 71, 72, 75, 76.

COMPONENTS KEY (standard materials)

- 01** Stationary ring: graphite impregnated resin for dry running (ZD71)
- 01A** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
- 02** Rotary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31)
- 02A** Rotary bellows in AISI 316+Hastelloy (xl) and *inserted rotary ring*: graphite antimony impregnated (Z12), inserted reaction bonded silicon carbide (Z42), inserted silicon carbide (U32), inserted nickel alloy tungsten carbide (K22)
- 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)
- 11A** Sleeve gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 13** Springs: Hastelloy (I)
- 16** Bushing: graphite (Z3)
- 24** Flange gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)

Operating limits

DIAMETER [mm]	FROM 20 TO 110
SPEED [m/s]	≤ 23
TEMPERATURE [°C]	FROM -60 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.

*Solution with double ply.