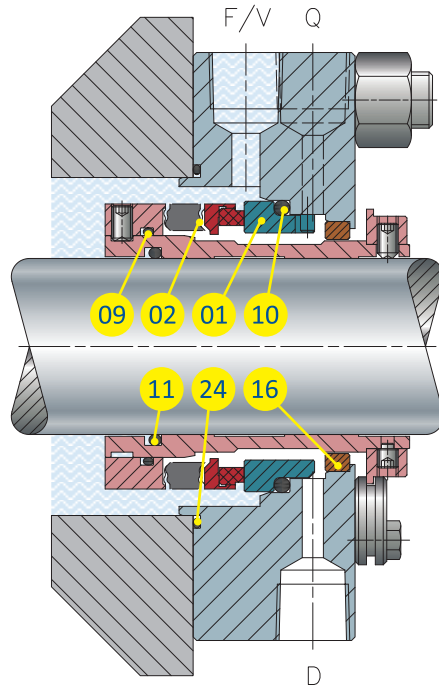




**COMPONENTS KEY
(standard materials)**

- 01** Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31), integral tungsten carbide bound nickel (K21)
- 02** Rotary bellows in AISI 316+Hastelloy and inserted rotary ring: graphite loaded antimony (Z12), inserted silicon carbide (U32), inserted tungsten carbide bound nickel (K22)
- 09** Rotary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 10** Stationary ring gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 11** Sleeve gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)
- 16** Bushing: graphite (Z3)
- 24** Flange gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)

ADVANTAGES

Single cartridge seal with metal bellows designed in compliance with standard API 682 4th edition. The gaskets of the seal are static and flexibility is guaranteed by the metal bellows. This makes TR8S especially suitable for liquids which crystallize or solidify in contact with the atmosphere or when the nature of the pumped liquid is not (clear or) defined. Also available with special materials resistant to chemically aggressive fluids.

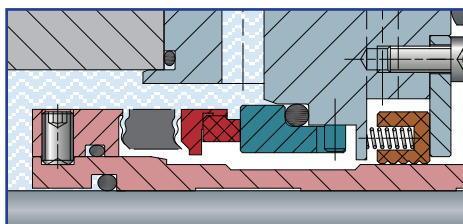
FEATURES

- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- Balanced single cartridge seal, arrangement with rotary metal bellows and flange with fixed bushing
- Dual direction of rotation
- 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 when the possibility of an external wash is not guaranteed
- Connections for flushing, quench and/or drain
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for ANSI horizontal and vertical pumps

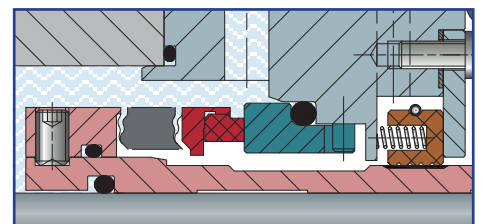
RECOMMENDED PLANS

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

Atmosphere side: 61, 62, 65A/B



TR8F version with floating bushing. (1CW-FL)



TR8Q version with segmental bushing. (1CW-FL)

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.