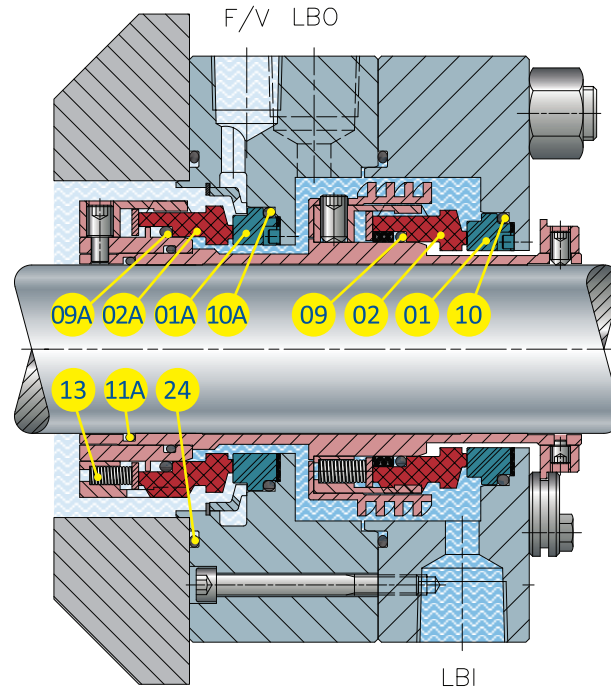


**COMPONENTS KEY**  
 (standard materials)

- 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), graphite antimony impregnated (Z12), inserted reaction bonded silicon carbide (U42), inserted silicon carbide (U32), inserted tungsten carbide bound nickel (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)
- 24** Flange gasket: fluoroelastomer (V), EPDM (D), FFKM (G720)



## ADVANTAGES

Dual cartridge seal in compliance with standard API 682 4th edition face-to-back. Available for flushing with pressurised liquid (BM6D) or non-pressurised liquid (BM6T). Seals widely used and appreciated thanks to their sturdiness and capability of withstanding high mechanical stress. Designed with dual reverse pressure and therefore to work with plan 52 or 53.

## 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 with auxiliary fluid at atmospheric pressure (buffer) BM6T or pressurised (barrier) BM6D
- 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 “Fluitten designed spine” recognised as being the only one reliable and resistant to vibrations and shaft misalignments
- Connection for flushing or vent and IN-OUT for auxiliary liquid
- Uniform distribution system of multipoint injection flushing
- Efficient circulation device of the auxiliary liquid
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for API horizontal and vertical pumps

## Operating limits

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

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.

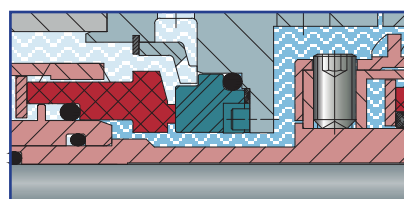
## RECOMMENDED PLANS

### BM6T:

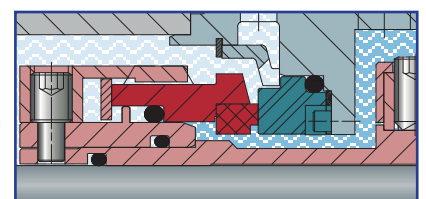
Product side: 01, 02, 03, 11, 12, 13, 14, 21, 22, 23, 31, 32, 41. Atmosphere side: 52, 55.

### BM6D:

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



BM6T/D Narrow Face integral



BM6T/D with inserted ring