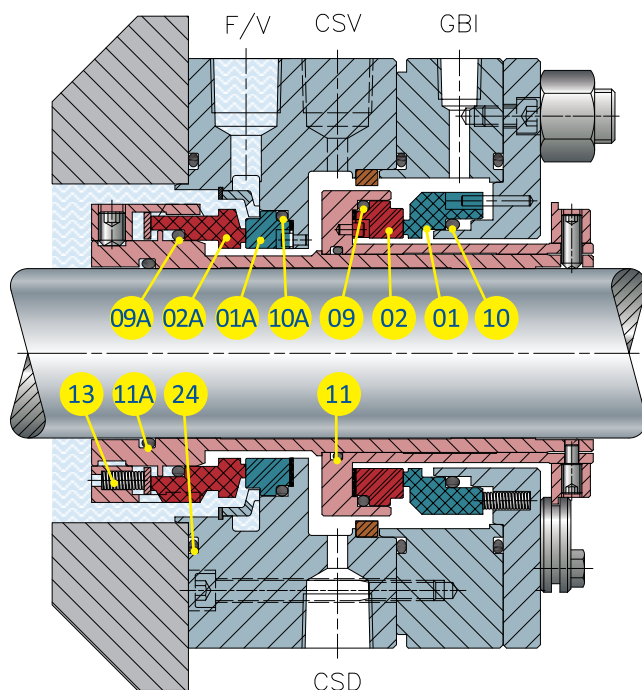




### COMPONENTS KEY (standard materials)

- 01** Stationary ring: graphite loaded 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** Integral rotary ring: graphite antimony impregnated (Z11), sintered 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)
- 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 seal designed in compliance with standard API 682 4th edition with auxiliary seal suitable for dry running. Product side seal widely used and appreciated thanks to its sturdiness and capability of withstanding high mechanical stress. The secondary mechanical containment seal is stationary type for high surface speeds. Fluiten's Fluigrad technology reduces the heat generated by the seal faces.

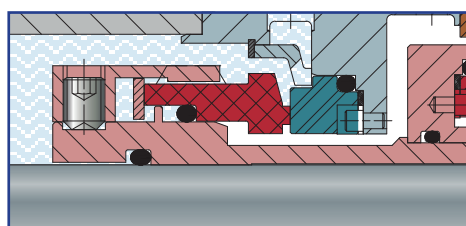
## FEATURES

- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- Cartridge solution, single balanced contacting with process and secondary containment mechanical seal
- Dual direction of rotation
- Solid sealing rings
- Drive system with three "Fluiten designed spine" recognised as being the only one reliable and resistant to vibrations and shaft misalignments
- Stationary mechanical containment seal with Fluiten's Fluigrad technology
- Connections for flushing or vent and control of the physiological leakages of the seal on the process side
- Possibility of sizing the shaft flange and sleeve according to customer request

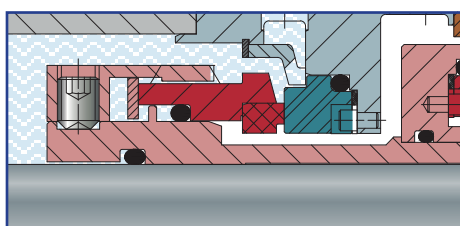
## RECOMMENDED PLANS

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

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



BM6L Narrow Face



BM6L with inserted ring

## Operating limits

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