CAT 2 and 3 -TYPE A - **LL6D - GAS Seal**

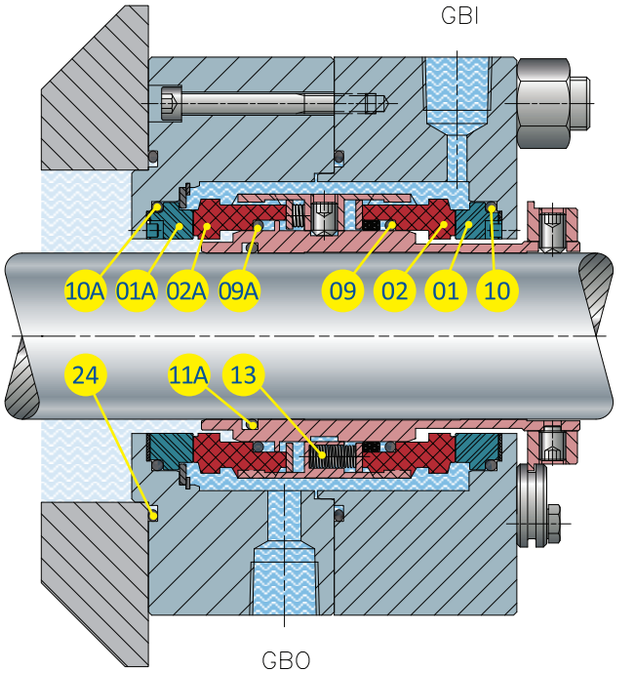
COMPONENTS KEY (standard materials)

01 Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31)
01A Stationary ring: reaction bonded silicon carbide (U41), sintered silicon carbide (U31)
02 Rotary ring: graphite impregnated resin for dry running (ZD71)
02A Rotary ring: graphite impregnated resin for dry running (ZD71)
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)

Operating limits

DIAMETER *[mm]*	**FROM 20 TO 110**
SPEED *[m/s]*	**≤ 23**
TEMPERATURE *[°C]*	**FROM -40 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.



ADVANTAGES

Dual cartridge seal in compliance with standard API 682 4th edition in back-to-back version. Seal widely used and appreciated thanks to its sturdiness and capability of withstanding high mechanical stress.
These gas-flushed solutions with Fluilift technology (during the rotation, the sealing surfaces are detached for a few microns or fractions of a micron and thus the friction is reduced almost to zero with remarkable energy savings).
The pressurised barrier gas acts outside of the seal and stimulates the rings by compression thus restricting deformations if subject to extreme limits.

FEATURES

- Gas-flushed mechanical seal
- Standard solution resulting from tested designs and made in compliance with standard API 682 4th edition
- Balanced opposed dual cartridge solution and non-contact sealing rings
- Zero emissions into the atmosphere
- Fluilift laser technology developed on rotary rings to allow the sealing rings to float on the pressurised barrier gas and to avoid contact
- On demand, possibility of dual direction of rotation
- Springs outside the product of the pumped liquid
- Solid sealing rings
- Drive system with three “Fluiten designed spine” recognised as being the only one reliable and resistant to vibrations and shaft misalignments
- Possibility of sizing the shaft flange and sleeve according to customer request
- Recommended for API horizontal and vertical pumps

RECOMMENDED PLANS

Product side: 02, 03. *Atmosphere side* 74.