EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

SAF(V) / SAP(V)

Mechanical Seals | Mechanical seals for pumps | Engineered seals

Features

- Cartridge design
- Single seal
- Balanced
- Dependent on direction of rotation
- Integrated pumping device
- Stationary spring loaded unit
- Inserted seal face
- Rotating carbon seat

Advantages

- Deformation-optimized seal for high sliding velocities and medium pressures
- Economical due to standardized inner components
- High flexibility due to adaptation of the connection parts to the pump seal chamber
- Optimum heat dissipation due to integrated pumping device and optimized seat / seal face design
- Insensitive to shaft deflections due to stationary design
- Pre-assembled unit for quick and easy installation
- Only small number of components

Operating range

Shaft diameter:
d1* = 120 ... 250 mm (4.72" ... 9.84")
Pressure: p1 = 50 bar (725 PSI)
Temperature: t = +300 °C (+572 °F)
Sliding velocity: vg = 65 m/s (213 ft/s)
Axial movement: ±3 mm

* Other sizes on request

Materials

Seal face: Silicon carbide (Q), SiC-C-Si Silicon impregnated carbon (Q3)
Seat: Carbon graphite resin impregnated (B), SiC-C-Si Silicon impregnated carbon (Q3)
Secondary seals: EPDM (E), FFKM (K)
Springs: CrNiMo steel (G)
Metal parts: CrNiMo steel (G)

Recommended applications

- Boiler feed water with low conductivity
- Power plant technology
- Oil and gas industry
- Refining technology
- Petrochemical industry
- Chemical industry
- Power generation
- Boiler feed pumps

Recommended piping plans

API Plan 02 + API Plan 23 (with jacket cooling)

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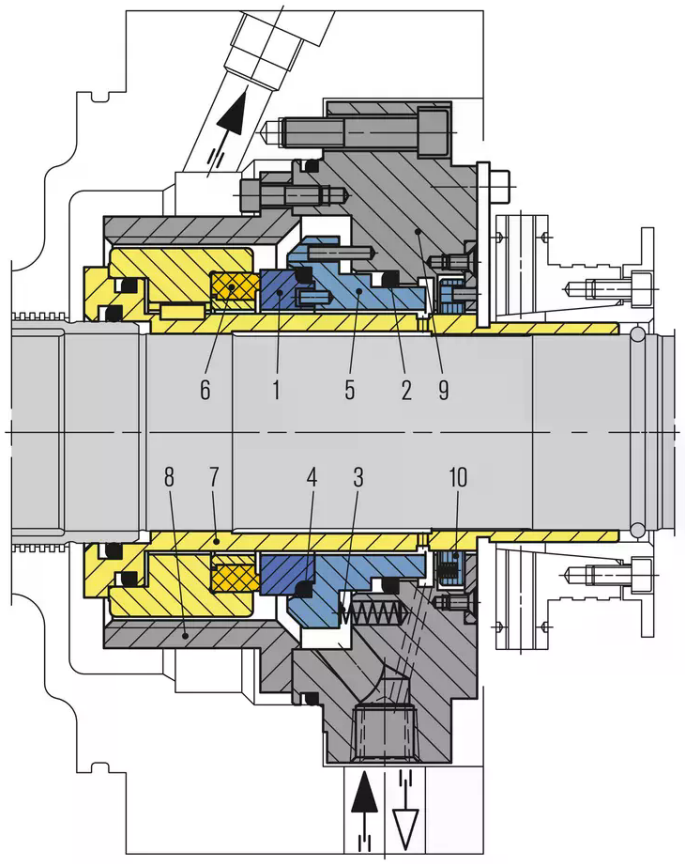

Item	Description
1	Seal face
2	O-Ring
3	Spring
4	O-Ring
5	Seat collar
6	Seat
7	Shaft sleeve
8	Pumping sleeve
9	Cover
10	Throttle ring