EagleBurgmann
a member of EKK and FREUDENBERG

RELY ON EXCELLENCE

H9DSUS

Special Products

Features

- Dual seal
- Stationary single spring
- Oil-lubricated, oil-buffered
- Spring and pins not in contact with the medium
- Highly resistant silicon carbide sliding materials

Advantages

- No flushing, no water injection or circulating unit required
- Very low heat generation at sliding faces, optimum heat dissipation due to oil buffer
- Reliable performance, long service-life, low maintenance required
- Insensitive to particles in the media, no clogging, no contamination
- Seal faces at atmospheric and product side are identical in construction
- Buffer oil supply by just a small reservoir needed
- No leakage to the atmosphere – any leakage is absorbed by the buffer oil

Operating range

Shaft diameter: d1 = 30 ... 125 mm (0.75" ... 4")
Pressure: p1 = ...6 bar (87PSI)
Temperature: t = ... +60°C (158°F)
Sliding velocity: vg = 20 m/s (66 ft/s)
Solid content: ...30 wt%

Materials

Seal face: Silicon carbide
Seat: Silicon carbide
Secondary seals: NBR, EPDM, FKM
Metal parts: Stainless steel, Titanium, others

Recommended applications

- Water and waste water technology
- Mining industry
- Process industry
- Sewage water
- Polluted media
- Slurries

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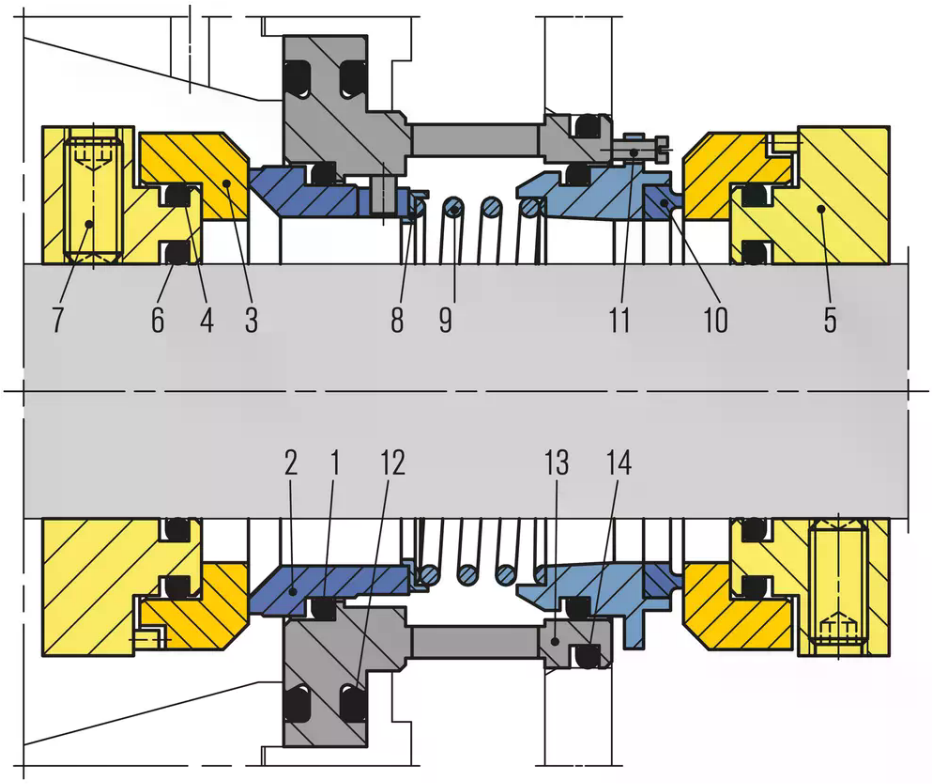
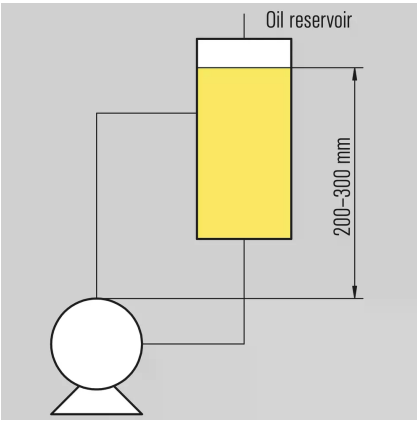


Item	Description
1, 4, 6, 12, 14	O-Ring
2, 10	Seal face
3	Mating ring
5	Collar
7	Set screw
8	Spring holder
9	Spring
11	Drive pin
13	Housing

Installation, details, options



Installation diagram for a buffer oil reservoir to supply an EagleBurgmann H9DSUS mechanical seal.