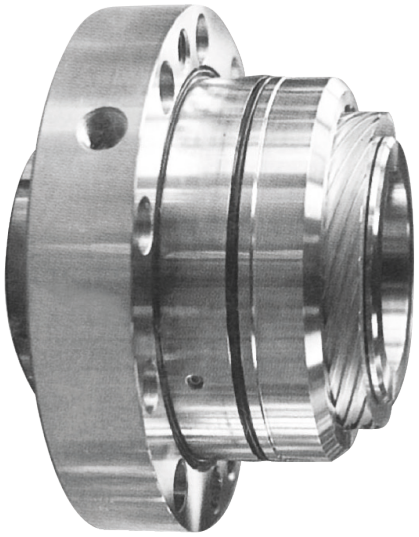
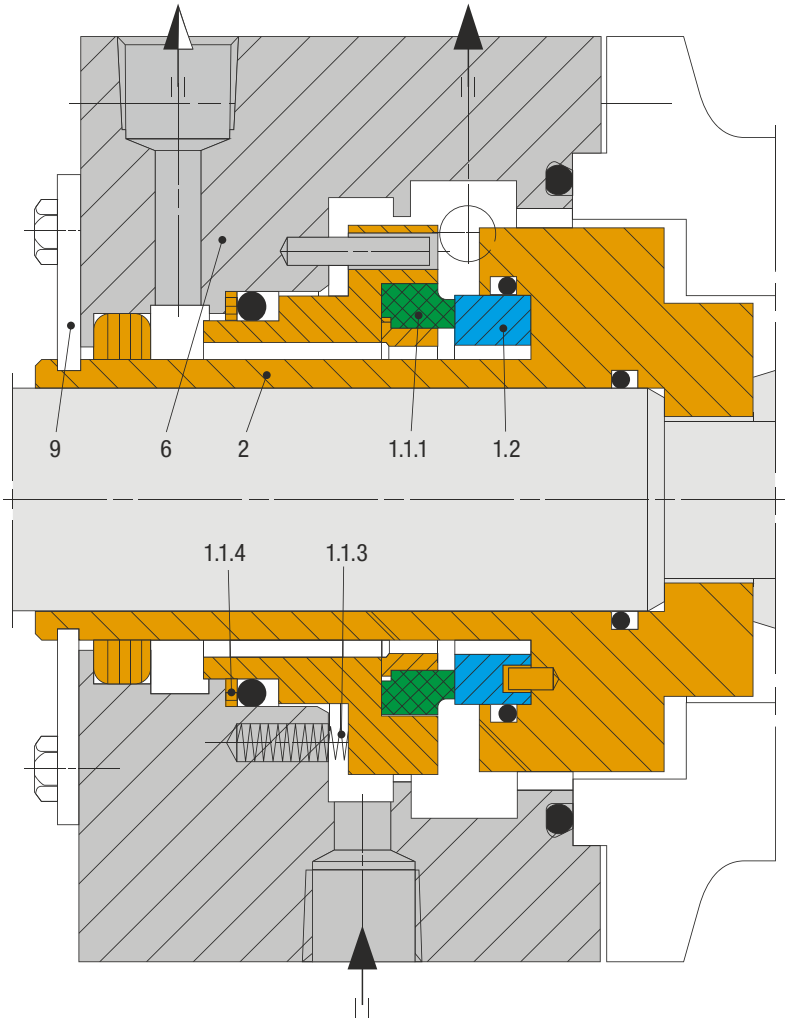
Serie BB10HD-PV / BB10HD-FV





Product Description

1. Balanced
2. Cartridge design
3. Dependent of direction of rotation
4. Integrated pumping device
5. Multiple springs
6. Single seal
7. Stationary spring loaded unit
8. Shrink-fitted seal face

Technical Features

1. Deformation-optimized seal for highest pressure levels
2. Economical due to standardized inner components
3. High flexibility due to adaption of the connection parts to the pump seal chamber
4. Insensitive to shaft deflections due to stationary design
5. Optimum heat dissipation due to integrated pumping device and optimized seat design
6. Only small number of components
7. Pre-assembled unit for quick and easy installation

Typical Industrial Applications

Amines
Caustic soda
Chemical industry
Crude oil
Crystalizing media
Crude oil feed pumps
Hot water
Injection pumps
Multi-phase pumps
Oil and gas industry
Process water
Refining technology
Sour water

Performance Capabilities

Sizes: d1* = Upto 250 mm (Upto 10.000")
Pressure: p1 = 150 bar (2, 175 PSI)
Temperature: t = 300°C (572°F)
Speed = 60 m/s (197 ft/s)
Permissible axial movement: ± 3 mm

Standards

API 682 / ISO 21049

Materials

Seal face: SiC-C-Si silicon impregnated carbon (Q3), Carbon graphite antimony impregnated (A)
Seat: Silicon carbide (Q)
Secondary seals: FKM (V), EPDM (E), FFKM (K)
Springs: Hastelloy® C-4 (M)
Metal parts: CrNiMo steel (G), Duplex (G1), Super Duplex (G4), Titanium (T2), Hastelloy® C-4 (M)

Design Variations

BB10HD-FV Same design as BB10HD-PV but with pumping screw

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