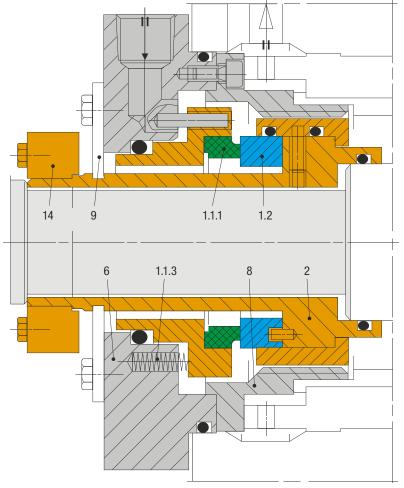


Serie BB10HD-P / BB10HD-F





Product Description

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

Technical Features

- 1. Suitable for high sliding velocities and medium pressures
- 2. Accommodates shaft deflections due to stationary design
- 3. Cost effective due to standardized inner components
- 4. High flexibility due to adaption of the connection parts to the pump seal chamber
- 5. Optinum heat dissipation due to integrated pumping device and optimized seat design
- 6. Pre-assembled unit for quick and easy installation
- 7. Versatile application for OEM or retrofits of boiler feed water pumps

Item	Description
1.1.1	Seal face
1.1.3	Spring
1.2	Seat
2	Shaft sleeve
6	Cover
8	Pumping screw with flow guide
9	Assembly fixture
14	Shrink disk

Typical Industrial Applications Boiler feed water pumps

Power plant techonology

Performance Capabilities

Sizes: d1* = Upto 250 mm (Upto 10.000") Pressure: p1 = 50 bar (725 PSI) Temperature: t = 300°C (572°F) Speed = 60 m/s (197 ft/s) Permissible axial movement: ± 3 mm

Materials

Seal face: Silicon carbide (Q), Carbon graphite antimony impregnated (A), Carbon graphite resin impregnated (B) Seat: Silicon carbide (Q) Secondary seals: EPDM (E), FFKM (K) Springs: CrNiMo steel (G) Metal parts: CrNiMo steel (G)

Design Variations

SBF4 Single Mechanical Seal with integrated jacket cooling, for boiler feed pumps

Serie BB10HD-P / BB10