

## 4HG – for KSB's HGM-RO type series



Applications:  
seawater

### 1 Compact

Single mechanical seal, bi-directional and balanced. Tailored to the seal installation space and pump requirements. The shaft protecting sleeve is integrated in the mechanical seal.

### 2 Applications

The materials selected are optimally suited to seawater applications. Springs made of Hastelloy, all metal components made of super duplex stainless steel.

### 3 Versatile

For all operating conditions the pump is approved for.

### 4 Reliable

Dynamic design with multi-spring arrangement. Sturdy and practical seal design.

### 5 Service-friendly

The modular design facilitates installation without assembly fixtures or adjusting dimensions, ensuring optimal pre-loading of the mechanical seal and low wear.

#### Technical description

Design	Single mechanical seal
Type	Dynamic, balanced
Springs	Multi-spring arrangement
Direction of rotation	Bi-directional
Additional information	Various wear part kits available, see ZN3302

#### Materials

Primary ring	SiC (Q1)
Mating ring	SiC (Q1)
Elastomers	FKM (V)
Springs	2.4610 (M)
Other Components	1.4501 (G4)

Other material combinations on request

#### Technical data

Operating pressure	Up to 6 bar, dynamic Up to 25 bar, static
Temperature	0 °C to 70 °C
Bearing bracket (seal size)	R06 (100), R08 (120)
Business type	Engineered