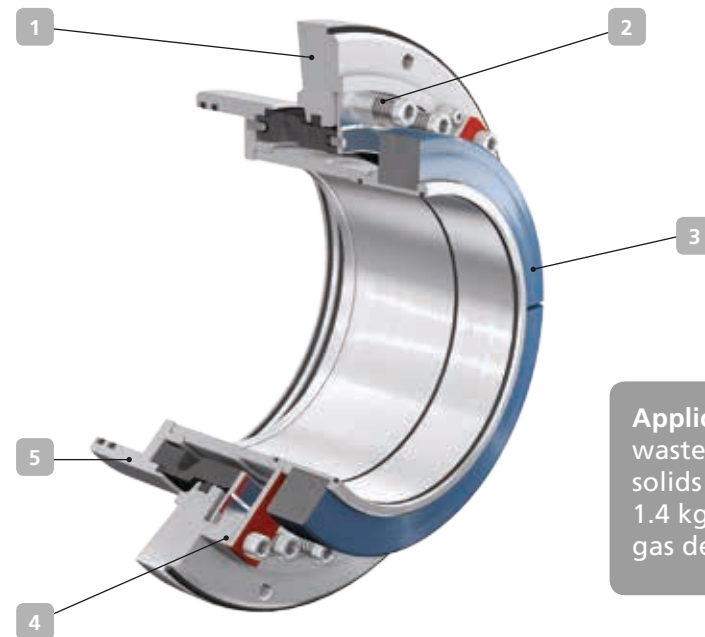


4K Cartridge – for KSB's KWP (REA) type series



Applications:

waste water with very high solids content up to a density of 1.4 kg/dm³, for example, in flue gas desulphurisation

1 Compact

Single cartridge seal, bi-directional and balanced.

2 Dependable

Stationary design, multiple springs located outside the fluid handled. The springs are insensitive to contamination and ensure an optimal service life.

3 Robust

Suitable for fluids with very high solids content.

4 Service-friendly

Tailored to the seal installation space of the pump, easy installation, no adjusting dimension. Assembly fixtures ensure optimum pre-loading of the cartridge.

5 Flushing

A device for periodic flushing can be connected. In addition, there is a variant available which supplies the flushing liquid directly through the mechanical seal into the fluid handled.

Technical description

Design	Single cartridge seal
Type	Stationary, balanced
Springs	Multi-spring arrangement
Direction of rotation	Bi-directional
Additional information	A device for periodic flushing can be connected. Various wear part kits available, see ZN3303

Materials

Primary ring	SiC-Si (Q2) / SiC (Q1)
Mating ring	SiC-Si (Q2) / SiC (Q1)
Elastomers	FKM (V)
Springs	2.4610 (M)
Other Components	1.4462 (G1) / 1.4539 (G3)

Other material combinations on request

Technical data

Operating pressure	Up to 10 bar, dynamic Up to 15 bar, static
Temperature	-10 °C to 110 °C
Bearing bracket (seal size)	P12sx (120), P16ax (160), P20sx (200), P20sx (253)
Business type	Standard (KSB EasySelect)