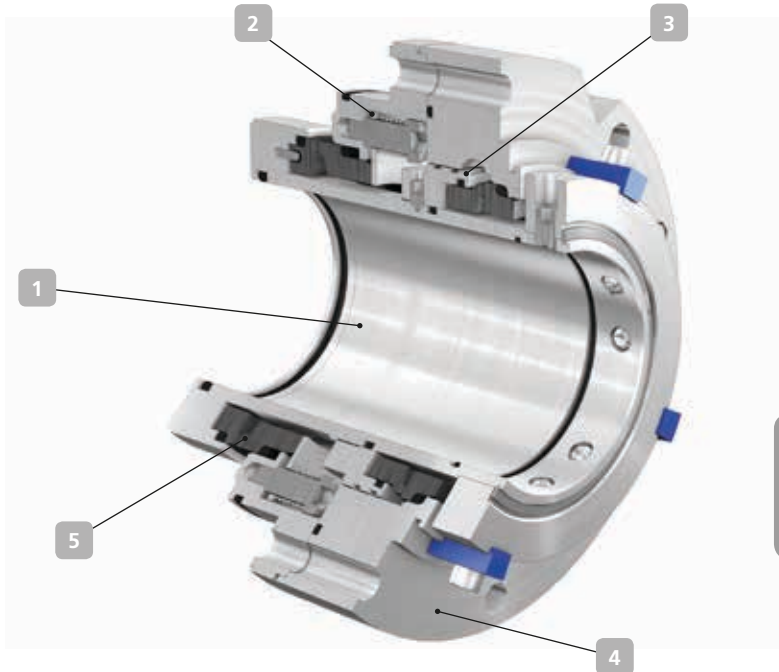


4KDC – for KSB's KWP pump type series



Applications:
waste water containing stringy material and abrasive particles

1 Compact

This double cartridge seal includes the shaft protecting sleeve for the pump and can be fitted without adjusting dimension.

2 Dependable

Given the stationary design, the springs are located outside the fluid handled and thus protected from contamination.

3 Robust

The pumping screw circulates the buffer/barrier fluid effectively. The circulation ensures optimum heat dissipation in the space between the two seals and thus increases the service life.

4 Versatile

The double mechanical seal's cartridge can be operated with either unpressurised buffer fluid (quench) or pressurised barrier fluid.

5 Safe

In the event of a sudden drop in the barrier fluid pressure, the double pressure balanced design ensures that 4KDC's seal faces will not detach.

Technical description

Design	Double cartridge seal
Type	Stationary, balanced
Springs	Multi-spring arrangement
Direction of rotation	Bi-directional

Materials

Inboard	Primary and mating ring SiC (Q1)
Outboard	Primary ring: "B" carbon (B) Mating ring: SiC (Q1)
Elastomers	EPDM (E), FKM (V)
Springs	1.4571 (G)
Other Components	1.4571 (G) / 1.4462 (G1) / 1.4539 (G3)

Other material combinations on request

Technical data

Operating pressure	25 to 37.5 bar, depending on the size
Temperature	- 5°C to 160°C
Bearing bracket (seal size)*	P03ax (040), P04ax (050), P05ax (060), P06x (070), P08sx (080), P10ax (100), P12sx (120)
Business type	Standard (KSB EasySelect)

*From seal size 080 a special pump cover is required.