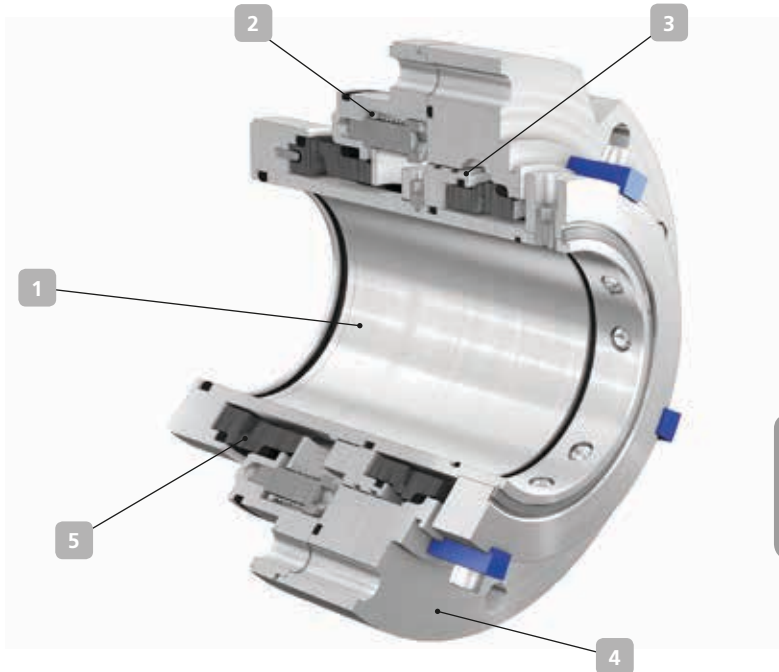


## 4KDC – for KSB's KWP pump type series



**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.