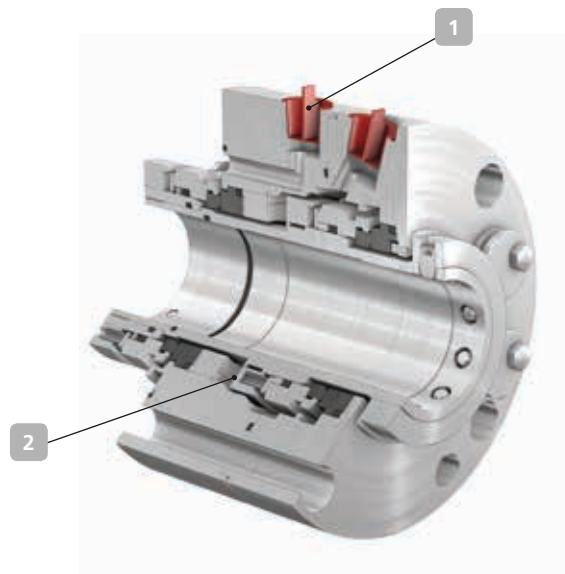


# 4EDBM6T & D – double mechanical seals to API 682, 4<sup>th</sup> edition



**Applications:**  
API 682 applications in the chemical and petrochemical industries

## Arrangements 2 or 3 Contacting, double, product-lubricated and balanced cartridge seal

### 1 Flexible

The double cartridge seal can be connected to all common API Plans, such as 01, 02, 11, 31, 32 + 52, 53 (A, B, C) and 23 + 52, 53 (A, B, C). The seals are available for all of KSB's API pumps.

### 2 Safe

The space between the two mechanical seals is flushed with a buffer or barrier fluid, depending on the application. This completely absorbs any leakage of the fluid pumped. In addition, the heat is transported away from this area. The double pressure balanced mechanical seal can be operated with pressurised barrier fluid or unpressurised buffer fluid.

## Variants

### Variant 4EDBM6T

Double mechanical seal for use with unpressurised buffer fluid (API Plan 52).

### Variant 4EDBM6D

Double mechanical seal for use with pressurised barrier fluid (API Plan 53).

## Materials

|  |   |
|--|---|
| Inboard                                | Primary ring "A" carbon (A) / SiC-Si (Q2)<br>Mating ring SiC-Si (Q2)<br>Elastomers FKM (V) / FFKM (K) |
| Outboard                               | Primary ring "A" carbon (A)<br>Mating ring SiC-Si (Q2)<br>Elastomers FKM (V)                          |
| Springs                                | 2.4610 (M)  |
| Other Components                       | 1.4571 (G)  |
| Other material combinations on request |   |

## Technical description

|                        |   |
|------------------------|---|
| Category               | II or III                                   |
| Type                   | A   |
| Arrangements           | 2 or 3                                      |
| Design                 | Cartridge                                   |
| Additional information | Various wear part kits available on request |

## Technical data

|                |               |
|----------------|---------------|
| Shaft diameter | 50 to 120 mm  |
| Pressure       | Up to 40 bar  |
| Temperature    | -10 to 200 °C |

Higher application limits on request