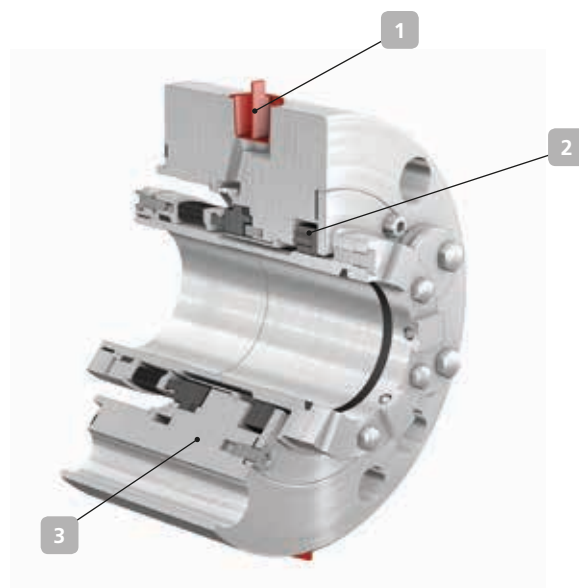


4EDTR6HS & Q – Single metal-bellows mechanical seals to API 682, 4th edition



Applications:
API 682 applications in the chemical and petrochemical industries

Arrangement 1

Contacting, single, product-lubricated and balanced metal-bellows cartridge seal

1 Flexible

The single metal-bellows seal can be connected to all common API Plans, such as 01, 02, 11, 31, 32 + 61 (62) and 23 + 61 (62). The seals are available for all of KSB's API pumps.

2 Dependable

The throttling bush enables connection to a gas, steam or liquid quench, depending on the seal variant. This prevents outboard incrustations at the seal.

3 Materials

The mechanical seal is available in a hard-soft combination of silicon carbide and carbon graphite, or in a hard-hard combination of silicon carbide and silicon carbide. The bellows made of Inconel® 718 and the secondary sealing elements made of pure graphite have an excellent chemical resistance and are especially suited for applications with high temperatures.

Variants

Variant 4EDTR6HS

Single metal-bellows seal with floating throttling bush for optional connection to a gas or steam quench.

Variant 4EDTR6HQ

Single metal-bellows seal with segmented throttling bush for use with a liquid quench.

Materials

Primary ring	"A" carbon (A) / SiC-Si (Q2)
Mating ring	SiC-Si (Q2)
Secondary sealing elements	Statotherm® (G)
Metal bellows	Inconel® 718 (M6)
Other Components	Carpenter® 42 (T4)
Other material combinations on request	

Technical description

Category	II or III
Type	C
Arrangement	1
Design	Cartridge
Additional information	Various wear part kits available on request

Technical data

Shaft diameter	50 to 120 mm
Pressure	Up to 20 bar
Temperature	-75 to 400 °C

Higher application limits on request