

Mechanical seals and systems to API 682



High operating pressures, extreme temperatures and aggressive fluids place a wide range of exacting and diverse demands on a seal, thereby influencing the operating reliability of the pump and system. KSB offers a complete spectrum of individual sealing solutions for every application ensuring maximum operating reliability.

Mechanical seals and systems provided by KSB meet the requirements of API 682 and form a perfectly matched system together with the pump.

Various mechanical seal supply systems to API 682 (Plan 23, Plan 52, Plan 53A and Plan 53B) are available as standard. All further systems can be provided on request.

The KSB portfolio comprises spring-loaded seals (type A) and metal-bellows seals (type C) for high-temperature applications. This means we can cover the entire range of applications as specified in

API 682. Our all-in packages offer customers solutions for all their requirements: all-in-one solutions from a single-source. At KSB, you will receive the mechanical seal – the pump's most important spare part – within a very short delivery time.

More than 3000 service specialists in over 170 service centres around the globe provide fast and reliable service for pumps and components. With this range, KSB is able to offer tailored solutions for zero-leakage handling even under

high loads, ensuring perfectly tight and reliable sealing of the pump. Capable of withstanding extreme application requirements, our mechanical seals offer long service life and reduced maintenance costs as a result.

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KSB standard mechanical seals to API 682, 3rd edition and 4th edition

Category I (for non-API pumps)

Technical description

Type	A
Arrangement	1, 2 and 3
Design	Cartridge

Technical data

Shaft ø	Up to 120 mm
Pressure	Up to 22 bar
Temperature	-40 to 176 °C

Materials

Standard	AQ2VMG or AQ2KMG Q2Q2VMG or Q2Q2KMG
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All material combinations acc.
to API 682 available

Category II (for API pumps)

Technical description

Type	A, C
Arrangement	1, 2 and 3
Design	Cartridge

Technical data

Shaft ø	Up to 120 mm
Pressure	Up to 42 bar
Temperature	-40 to 400 °C

Materials

Standard	AQ2VMG or AQ2KMG Q2Q2VMG or Q2Q2KMG AQ2GM6T4 or Q2Q2GM6T4
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All material combinations acc.
to API 682 available

Category III (for API pumps)

Technical description

Type	A, C
Arrangement	1, 2 and 3
Design	Cartridge

Technical data

Shaft ø	Up to 120 mm
Pressure	Up to 42 bar
Temperature	-40 to 400 °C

Materials

Standard	AQ2VMG or AQ2KMG Q2Q2VMG or Q2Q2KMG AQ2GM6T4 or Q2Q2GM6T4
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All material combinations acc.
to API 682 available

Other conditions than specified above can be approved on request. The complete range to API 682 can be supplied for projects if required.

