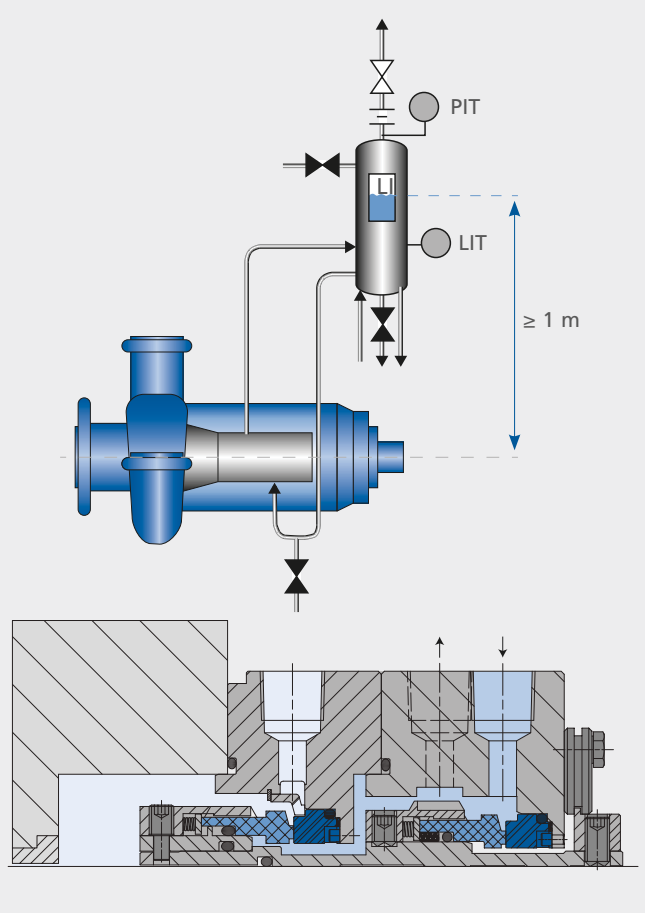
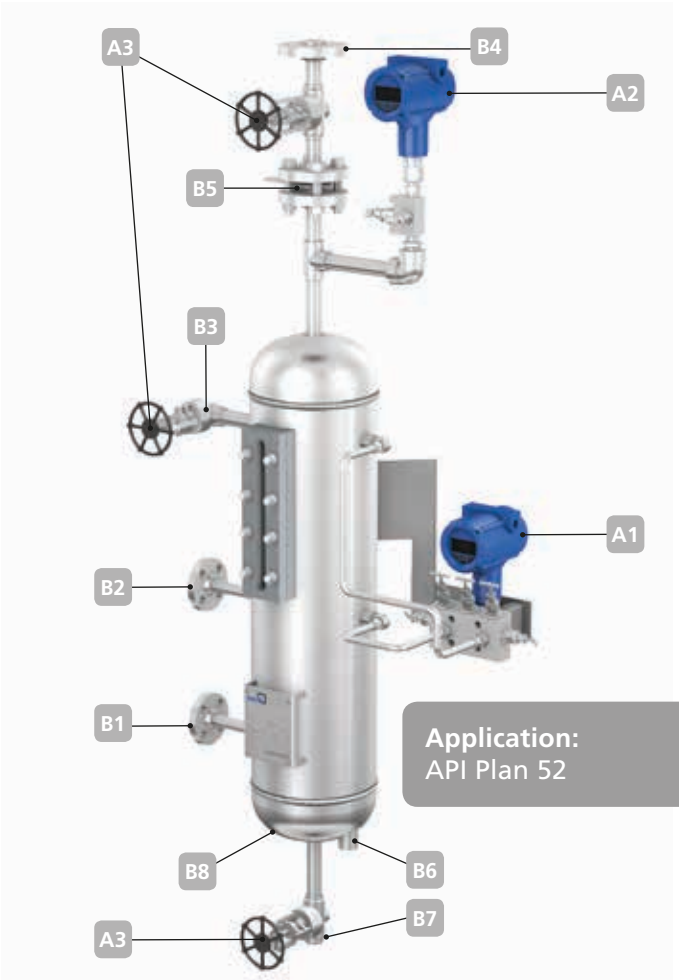
KTS52 – thermosyphon system to API 682, 4th edition*





Application:
API Plan 52

1 General description

Thermosyphon system compliant with all requirements of API 682, 4th edition.

2 Use

Used for double mechanical seals (arrangement 2). The buffer fluid pressure is lower than the pressure in the pump's seal chamber.

3 Efficiency

Circulation between the buffer fluid reservoir and the KSB mechanical seal 4EDBM6T is ensured via a circulation system integrated in the seal. The reservoir and the seal are perfectly matched.

4 Longer seal life

The system flushes the space between the seals with a clean buffer fluid. This also ensures that the heat in the area is removed, increasing the seal's service life.

- A1 Level transmitter
- A3 Pressure transmitter
- A3 Shut-off valve
- B1 To mechanical seal
- B2 From mechanical seal
- B3 Fill connection
- B4 Connection to flare
- B5 Orifice plate
- B6 Cooling water outlet (closed))
- B7 Drain
- B8 Cooling water inlet (closed)

Technical data

Process side	Up to 50 bar: -29 °C to 200 °C
Cooling water side	Up to 16 bar: -29 °C to 99 °C
Total volume	15 litres / 26 litres
Working volume	4 litres / 6.5 litres
Explosion protection for measuring instruments	EExd – IIC – T6 (ATEX EX II 1/2G)
Design to	ASME VIII-Div.1 PED 2014 / 68 / EU
Business type	Standard (KSB Easy Select)

*System to API 682, 3rd edition, also available