

WKB-E – Vertical, Multistage, Heavy-duty Single-casing Pump Type VS1



Sizes 200 to 300A



Applications:

- Processes with critical NPSH conditions in chemical and petrochemical industries
- Condensate extraction
- Tank storage
- Pipeline services
- Liquefied gas
- Refineries

More information: www.ksb.com

WKB-E – Vertical, Multistage, Heavy-duty Single-casing Pump Type VS1 to API 610 / ISO 13709

1 Rigid coupling

Coupling with removable spacer arranged between seal chamber and thrust bearing facilitates maintenance and removal of mechanical seal.

2 Flexible installation

Circular or rectangular sole plate allows easy adaptation to different installation conditions.

3 Robust radial bearings

Product-lubricated carbon guide bearings with bearing span below requirements of API 610 ensure low vibrations and reliable operation.

- Other guide bearing materials available on request

4 Integral thrust bearings

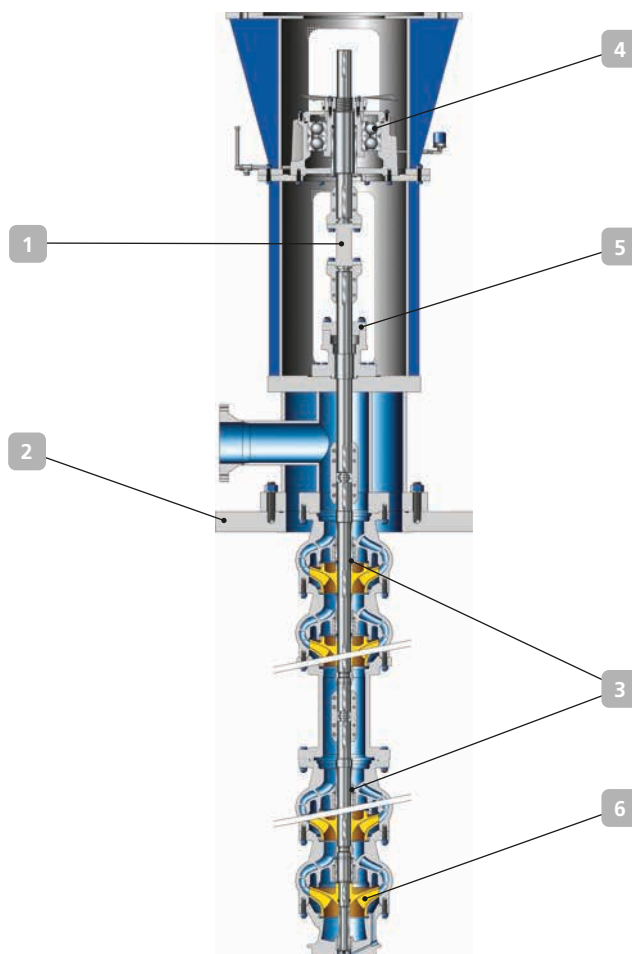
Oil-lubricated bearings integrated in the pump exceed the life requirements specified by API 610, reducing maintenance costs and work. Bearings located at the motor are not subjected to thrust forces from pump.

- Oil mist lubrication available on request

5 Variety of seals

Seal chamber with optional heating/cooling jacket, designed to API 610 allows installation of any API 682 seal to meet specific process requirements.

- Gland packing available on request



6 Suction hydraulics

First-stage impeller designed for enhanced suction performance ensures low NPSH values and a short pump design. Bellmouth with flow guide vanes guarantees low-turbulence operation. Available with single and double suction.

Materials	Technical data	50 Hz	60 Hz
		1500 m³/h / 6604 US gpm	1650 m³/h / 7264 US gpm
S5, S6, S8, C6, A8, D1, D2	Max. head	600 m / 1958 ft	
	Max. pressure	51 bar / 740 psi	
	Max. temperature	-45 bis + 250 °C / -49 bis 782 °F	
	Nominal size	200 bis 300 mm / 8 bis 12 Zoll	
	Max. immersion depth	6 m / 492 ft	

Other values on request



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