

DWT (B-Pump) - Deep Well Turbine Pump



Applications:

- Water supply
- Water extraction
- Lowering ground water
- Irrigation
- Cooling water
- Seawater intake
- Raw & clean water transport

And much else.

For more information:

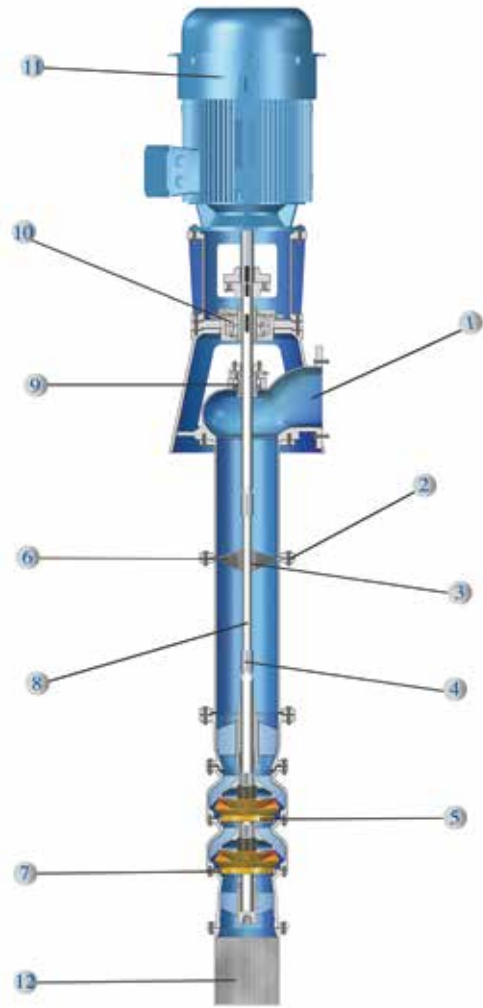
www.ksb.com/products

Your contact:



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- 1 **One discharge elbow** for all design variants.
- 2 **Flanged column pipe**, diameter smaller than nominal well diameter.
- 3 **Guiding bushes of shaft assembly** made of rubber, product lubricated, without spacer sleeve.
- 4 **Thread coupling** to connect shafts.
- 5 **Impellers fastened to the shaft with tapered locking sleeves** for easy dismantling.
- 6 **Bearing spider** to align intermediate shafts.
- 7 **Wear ring made of bronze and cast steel** easy to replace, prevents wear on casing and impeller.
- 8 **Shaft assembly made of stainless steel or carbon steel.**
- 9 **Shaft sealing gland packing**, option of mechanical seal also available.
- 10 **Thrust bearing for a very long service life.**
- 11 **Different drive option** available on request VHS, VI Motor Gear head, pulley drives.
- 12 **Suction strainer.**



Operating Data

Flow rate	Up to 2600m ³ /hr
Head	Up to 160 m
Pressure	Up to 16 bar
Temperature	Up to 105 °C
Suspended depth	Up to 120 m

Drives

DWT Pumps are driven either by the vertical hollow/solid shaft electric motor or a diesel (IC) engine. If an IC engine is used as the drive, transmission can be affected via bevel gears. A torsionally flexible cardan shaft is fitted as a coupling in this case. The different types of drives are:

ET - Vertical hollow shaft motor
V1 - Solid shaft motor through flexible coupling
KT - Diesel engine via bevel gears
EK - Combine drive either by ET or KT
RT- Diesel engine via flat belt

Materials of Construction

Part/Component	Material
Suction piece, discharge piece, intermediate bowl, discharge head, spider	Grey cast iron
Wear ring	Grey cast iron/Bronze
Impeller	Tin bronze
Bearing sleeve	Pb Sn Bz 15
Pump shaft, pump shaft coupling column shaft	Steel/Stainless steel
Rubber bearing	St/Rub/Thordon
Motor stool	RSt 37 - 2
Column pipe	ASTM A53

*Other materials upon request (Stainless steel, Ni-resist, Duplex)



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