

ZEZERE

VERTICAL TURBINE PUMP



Overview

The ZEZERO is a high-capacity vertical lineshaft turbine pump engineered for deep-well and borehole duties. Designed for efficient continuous operation, it delivers high discharge pressure and reliable performance across demanding applications. With robust construction and precision-engineered hydraulic components, the ZEZERO series is ideally suited for agricultural irrigation, industrial process water, and municipal water supply systems.

Pump Structure Design

Vertical lineshaft turbine configuration designed for 6" to 16" wells. The pump features robust cast-iron construction with AISI 316 micro-cast stainless steel hydraulic components for superior corrosion resistance and durability. Impellers are locked with unified keys and shaft-protection spacer bushes to ensure reliable torque transmission. Sealing options include mechanical seal or packed gland to enhance sealing performance and serviceability.

Drive Options

Drive options:

- Flanged drive head for electric motors
- Horizontal right-angle gear drive
- Overgear driven by tractor PTO
- Vertical pulley drive

Operating Condition

Designed for deep-well and borehole installation with continuous-duty operation. Suitable applications include:

- Water supply and municipal distribution
- Irrigation networks
- Cooling and industrial circulation systems
- Firefighting systems

Pump Performance

Series performance summary:

6V up to 78 m ³ /h, 250 m head	7V up to 132 m ³ /h, 280 m head	8V up to 216 m ³ /h, 320 m head	10V up to 408 m ³ /h, 295 m head
12V up to 540 m ³ /h, 225 m head	14V up to 780 m ³ /h, 205 m head	16V up to 1200 m ³ /h, 145 m head	

Power range up to 204 kW.

Features & Advantages

- Vertical lineshaft turbine pump design for deep-well and borehole applications
- High capacity with efficient continuous-duty operation
- Robust and durable cast-iron construction
- Hydraulic components made from corrosion-resistant AISI 316 stainless steel
- Locked impellers with unified keys and protective shaft spacer bushes
- Seal options: mechanical seal or packed gland.
- Flexible drive options: electric motor, right-angle gear, tractor PTO, or pulley drive
- Suitable for well installations from 6" to 16"

ZEZERE Pump Details

Well Size: 6" to 16"

Drive Head Options:

- Flanged drive head for electric motor
- Horizontal right-angle gear drive
- Overgear driven by tractor PTO
- Vertical pulley drive

Seal Options:

- Mechanical seal or packed gland
- Twinner System® available for packed gland version

Operational Applications:

- Clean water supply and municipal distribution
- Agricultural irrigation
- Firefighting systems
- Cooling water and power plant circulation

Performance Range:

- Capacity up to 1,200 m³/h
- Head: 145–320 m (depending on model)
- Power up to 204 kW



Designation

Series Name

Diameter Minimum Bore well

Cast Iron Material

Stainless Steel 316 Material

ZEZERE- 6-V/VX

Applications

Water Management

- Transfer Pump
- Booster Pump
- Water Filter
- Irrigation Pump

General Industry

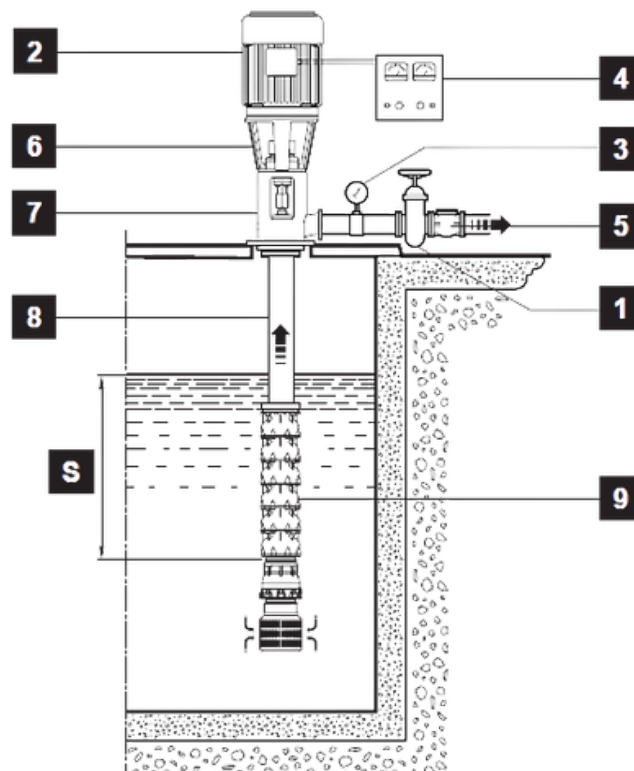
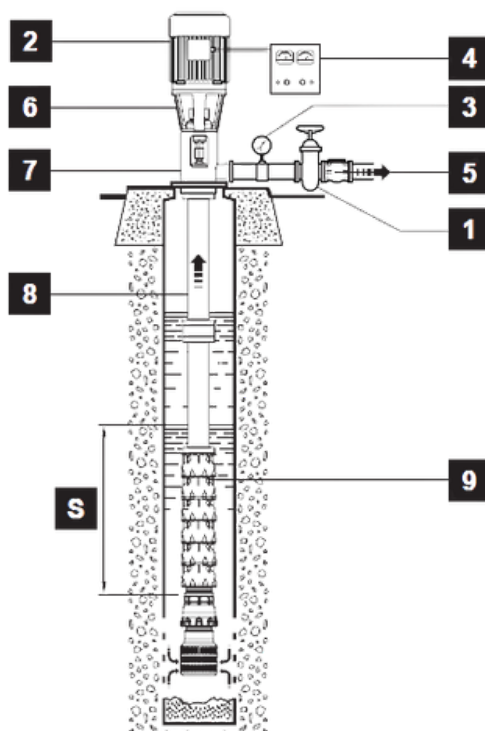
- Cooling Pump
- Fire fighting Pump
- Booster Pump
- Transfer Pump

Building Service

- Cooling Pump
- Transfer Pump
- Jokey Fire Fighting Pump
- Booster Pump

Installation Type A

Installation Type B



- 1 - Gate valve
- 2 - Electric motor
- 3 - Pressure gauge
- 4 - Electric control pane
- 5 - Non-return valve
- 6 - Drive head
- 7 - Discharge base
- 8 - Lineshaft element
- 9 - Pump
- S - Positive suction head