

HEAVY DUTY SLURRY PUMPS

K-VS™ VERTICAL SUMP PUMP



KETO HEAVY DUTY SLURRY PUMPS DESIGNED FOR THE MOST ARDUOUS PUMPING APPLICATIONS

KETO PUMPS VERSATILE SOLUTIONS

K-VS™ Heavy Duty Vertical sump pump is designed for handling abrasive and corrosive liquids and slurries, while submerged in sumps or pits. Suited for applications requiring greater reliability and durability than conventional vertical process pumps can offer.

The K-VS™ pump range is available in various standard lengths to suit common sump depths, offers a wide range of configurations allowing the pump to be tailored to a specific application. Wetted components are available in a wide range of alloys and elastomer's. KETO selects the optimum combination of materials for maximum resistance to wear in the required application.

TECHNICAL DATA

- **Standard setting depths:** from 0.9 m to 2.4 m
- **Range from:** 38 mm (1.5") to 250 mm (10")
- **Flow rates to:** 1,195 m³/hr (5,261 USgpm)
- **Total head to:** 58 m (190 ft)
- **Material options:** chrome iron, rubber, urethane, neoprene
- Specialist materials available on request for highly acidic or caustic duties

TYPICAL APPLICATIONS

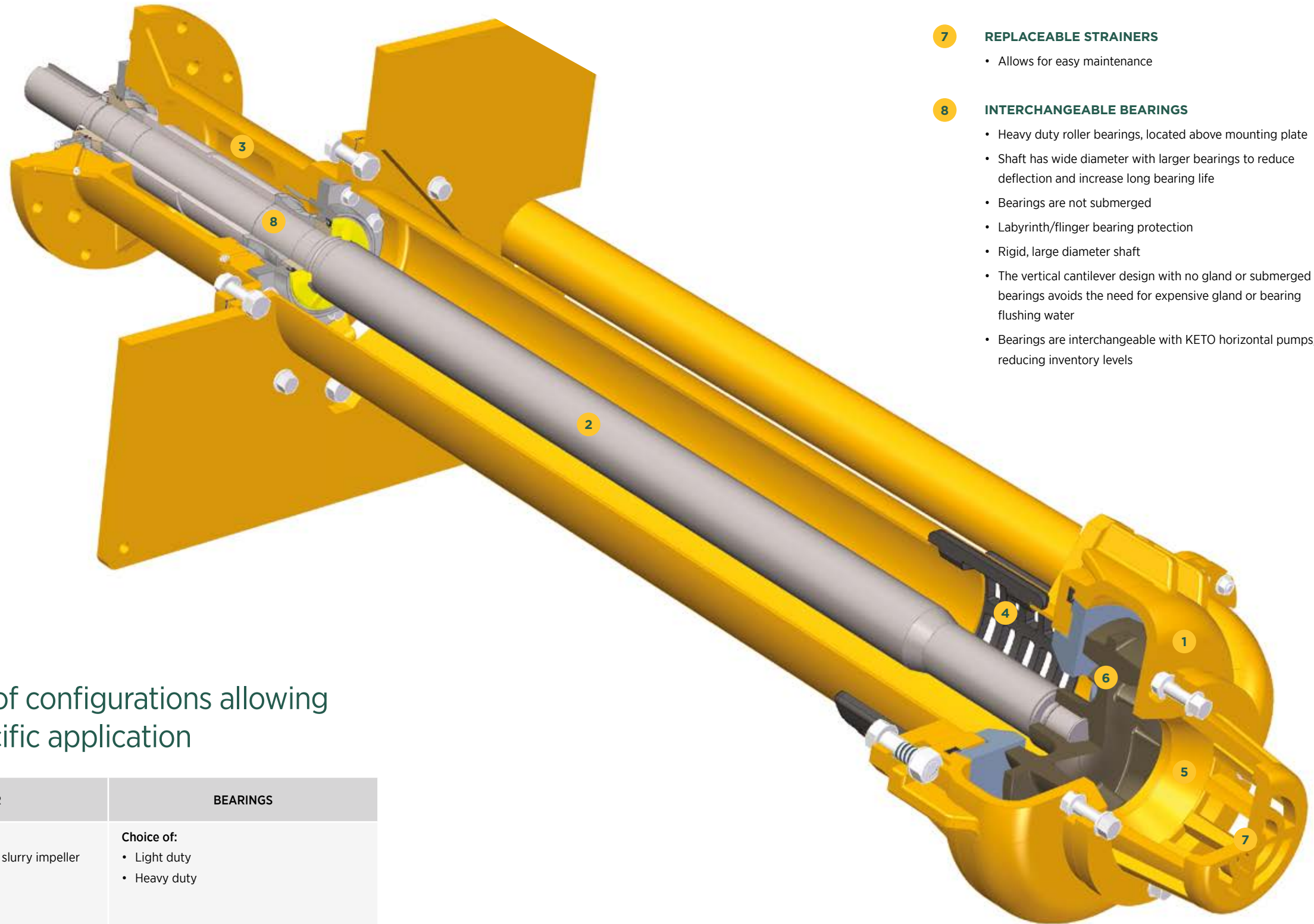
- Mineral processing
- Chemical processing
- Coal preparation
- Effluent handling
- Gravel & sand



KETO K-VS™ VERTICAL SUMP PUMP

- FEATURES & BENEFITS

- 1 CONCENTRIC CASING**
 - Minimises shaft load over wide operating range and reduces wear
- 2 CANTILEVER HEAVY DUTY SHAFT DESIGN**
 - Concentric casing minimises shaft load over wide operating ranges and reduces wear
- 3 CAST BEARING HOUSINGS**
 - Cantilever design so there are no submerged bearings or shaft seals
 - Cast bearing housings result in increased critical speeds and lower vibration levels than legacy equipment
- 4 5 TOP & BOTTOM INLET**
 - Suitable for snore conditions, with no need for priming and self venting
- 6 LARGE IMPELLER PASSAGES**
 - Large impeller passages means a reduced risk of blockage
 - Choice of standard double suction slurry impeller, ideal for general sump services or vortex impeller, ideal for air entrained duties and fragile pumpages such as carbon transfer



- 7 REPLACEABLE STRAINERS**
 - Allows for easy maintenance
- 8 INTERCHANGEABLE BEARINGS**
 - Heavy duty roller bearings, located above mounting plate
 - Shaft has wide diameter with larger bearings to reduce deflection and increase long bearing life
 - Bearings are not submerged
 - Labyrinth/flinger bearing protection
 - Rigid, large diameter shaft
 - The vertical cantilever design with no gland or submerged bearings avoids the need for expensive gland or bearing flushing water
 - Bearings are interchangeable with KETO horizontal pumps, reducing inventory levels

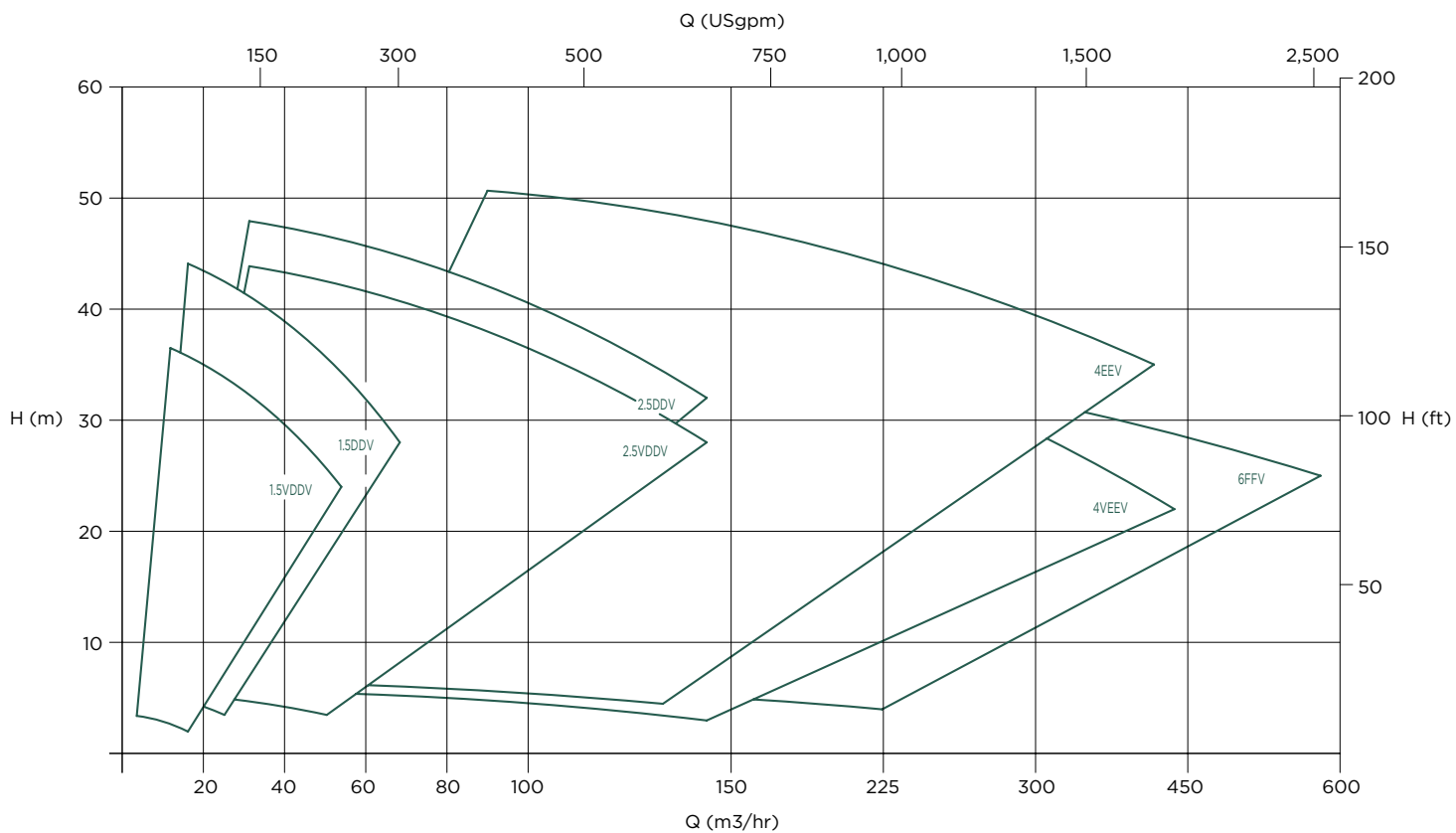
KETO Pumps offer a wide range of configurations allowing the pump to be tailored to a specific application

WET END MATERIALS	IMPELLER	BEARINGS
Choice of: <ul style="list-style-type: none"> • WI05 27% Chrome • PU01 urethane • Natural rubber • Specialist materials on request 	Choice of: <ul style="list-style-type: none"> • Standard double suction slurry impeller • Vortex impeller 	Choice of: <ul style="list-style-type: none"> • Light duty • Heavy duty

*Standard range shown above, specialist engineered units are available on request.

STANDARD HYDRAULIC RANGE CHART

K-VS™ VERTICAL SUMP PUMPS RANGE COVERAGE CHART



FOR MORE INFORMATION PLEASE VISIT KETOPUMPS.COM
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