

MEDIUM DUTY SPILLAGE PUMPS

K-TVS™ VERTICAL SUMP PUMP



COST-EFFECTIVE AND VERSATILE, CAPABLE OF HANDLING A WIDE RANGE OF APPLICATIONS

KETO PUMPS VERSATILE SOLUTIONS

Cost-effective and versatile, designed for submergence of the 'wet end' in pits or sumps and capable of handling a range of applications. This robust and functional design has been engineered for continuous and/or intermittent pumping of slurries, offering reliable performance and excellent wear endurance.

The cantilever design minimises the risk of flow blockage during performance on site and features non-submerged roller bearings or seals. The design allows for simple installation on site and features an unlined casing design, with a minimal amount of parts for swift and easy overhaul.

Important features of the K-TVS™ Sump pumps are, the 'twin volute discharge' incorporated into the casing to reduce shaft deflection and radial load to the impeller. The ease of disassembly due to the use of cotters and victaulic clamps allow minimal downtime during wear component replacement. The K-TVS™ pumps are available in a variety of different setting lengths to reach the depths required for the duty.

TECHNICAL DATA

- **Standard lengths:** 990mm,1370mm,1830mm, 2200mm, 2740mm, 3050mm, 3450mm and 4000mm (lengths above 1830mm include cutless elastomers intermediate bearing/s)
- **Size:** 75 mm (3")
- **Max. rate:** 120 m³/h (528 US gpm)
- **Max. head:** 30 m (100 ft)
- **Material options:** chrome iron, stainless steel

TYPICAL APPLICATIONS

- Drainage & sump drainage
- Magnetite mixing
- Spillage
- Floor washing
- De-watering



KETO K-TVS™ VERTICAL SUMP PUMP

- FEATURES & BENEFITS

1 CASING

- Casing supported by discharge pipes for reduced radial loading on impeller
- For ease of maintenance, casing parts are fastened by two quick-release cotters and salvic joints
- Replaceable casing components
- A strainer mechanism sits above the wearing plate ensuring oversize particles do not pass into the casing
- Material to suit application with the standard being wear resistant high chrome alloy
- The twin discharge features an adjustable single bolt V-drive and impeller, making it an adaptable solution for a wide range of slurry transport duties. Twin discharge eliminates shaft deflection
- Top suction enables pump to self vent in aerated duties

2 COLUMNS AND DISCHARGE PIPES

- Columns and discharge pipes are fabricated from mild or stainless steel with flanges to suit the salvic joints
- Rubber lined discharge pipes are available as an option
- Single flange discharge pipe

3 STRAINER

- Ease of maintenance design with quick release cotters



4 BEARING ASSEMBLY

- Grease lubricated and sealed with labyrinth type and V-seals
- The upper and lower bearings are grease purged
- Taper roller bearings are used on drive and non-drive end bearings
- Heavy duty grease lubricated taper roller bearings
- Lower bearing support for deep sumps fitted on length 1370mm and longer to provide additional support for the long shafts
- Heavy duty screw thread impeller attachment
- Incorporates a replaceable shaft sleeve
- Bearing assembly components fully interchangeable with KETO horizontal pumps

5 IMPELLER

- Open five-vane top suction impeller design enables the handling of large solids
- Simple impeller adjustment
- Can accommodate dry running operation

6 GREASE RETAINER

- Special grease retainer on drive end, provides improved containment of grease in the drive end bearing cavity

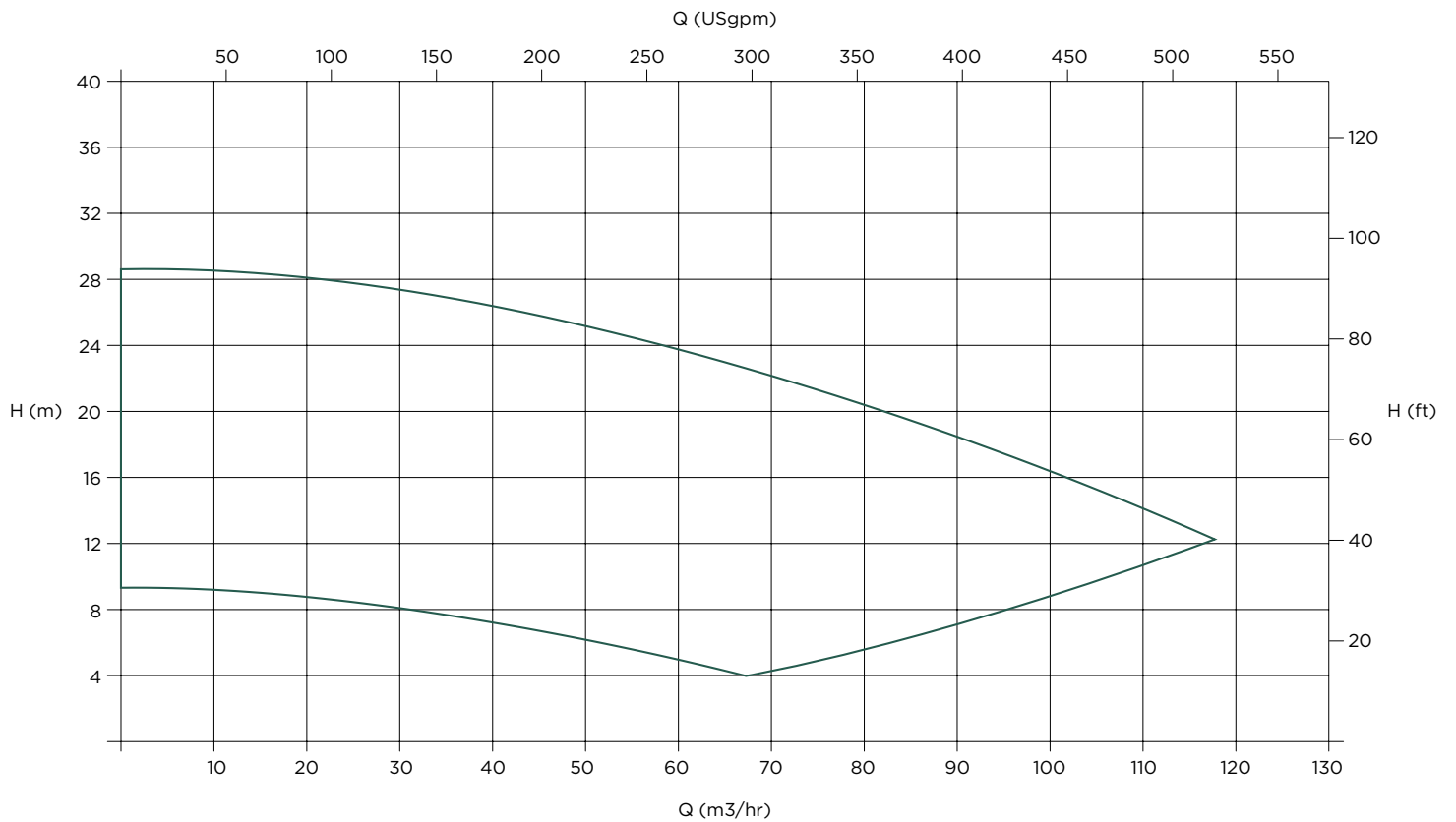
KETO Pumps offer a wide range of configurations allowing the pump to be tailored to a specific application

	COVER PLATE	IMPELLER	CASING	STRAINER	SHAFT	SHAFT SLEEVE
STANDARD	High Chrome Alloy	High Chrome Alloy	High Chrome Alloy	Cast Iron	Carbon Steel	SG Iron
OPTION	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Solid Tungsten Carbide	Abrasion Resistant Steel

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

STANDARD HYDRAULIC RANGE CHART

K-TVS™ SLURRY PUMPS RANGE COVERAGE CHART



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