

SEEPEX.
ALL THINGS FLOW

PREPARE TO DIVE **PRODUCT GROUP E**

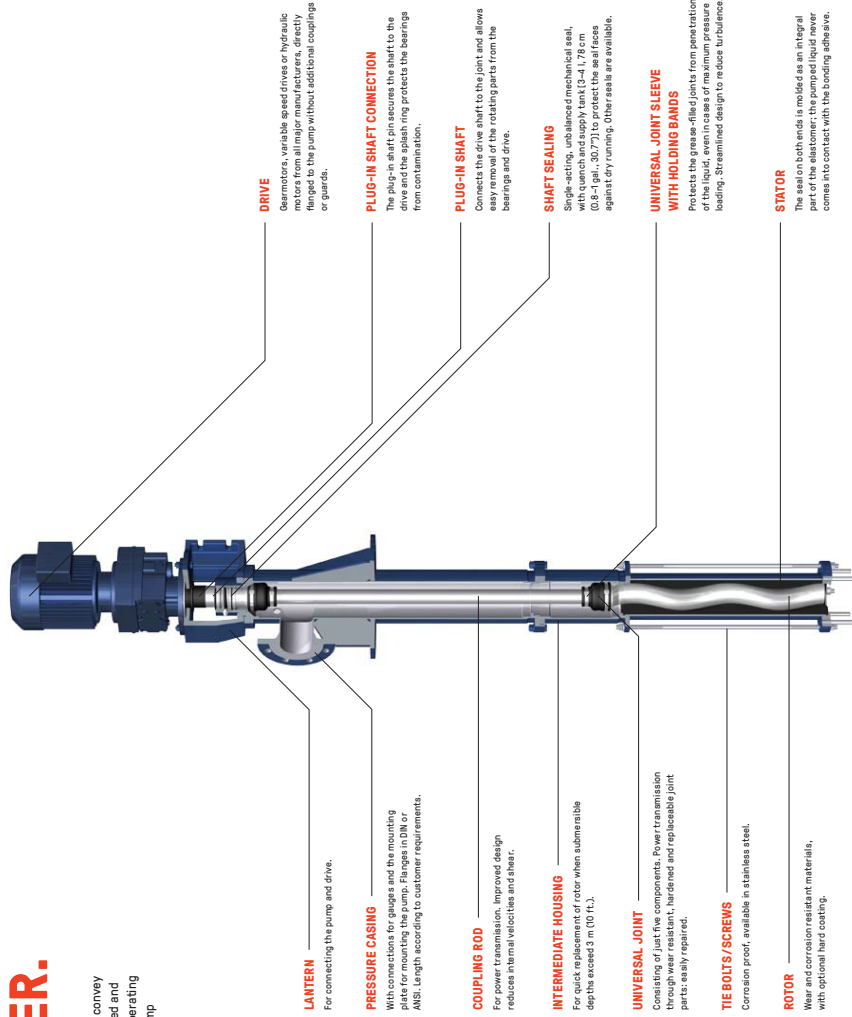


FOR EMPTYING POWER.

SEPEX semi-submersible pumps drain containers, pits, basins and barrels. They convey abrasive or corrosive products with thin to high viscosities. Individually configured and designed for each specific application, they are easy to maintain and have low operating costs. Our semi-submersible pumps are a cost-effective alternative to other pump systems where the NPSH_a and/or footprint are restricted.



Detail: single shaft seal with quench



LANTERN
For connecting the pump and drive.

PRESSURE CASING
With connections for gauges and the mounting plate for mounting the pump. Flanges in DIN or ANSI. Length according to customer requirements.

COUPLING ROD
For power transmission. Improved design reduces internal velocities and shear.

INTERMEDIATE HOUSING
For quick replacement of rotor when submersible depths exceed 3 m (10 ft.).

UNIVERSAL JOINT
Consisting of just five components. Power transmission through wear resistant, hardened and replaceable joint parts easily repaired.

TIE BOLTS / SCREWS
Corrosion proof, available in stainless steel.

ROTOR
Wear and corrosion resistant materials, with optional hard coating.

DRIVE
Gearmotors, variable speed drives or hydraulic drives for all major dimensions, directly flange-mounted to the pump without additional couplings or guards.

PLUG-IN SHAFT CONNECTION
The plug-in shaft pin secures the shaft to the drive and the splash ring protects the bearings from contamination.

PLUG-IN SHAFT
Connects the drive shaft to the joint and allows easy removal of the rotating parts from the bearings and drive.

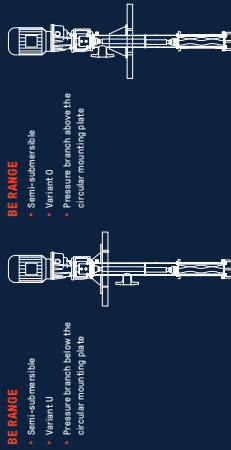
SHAFT SEALING
Single-acting, unbalanced mechanical seal, with quench and supply link (3 x 1.78 cm (0.8-1 gal., 30.77)) to protect the seal faces against dry running. Other seals are available.

UNIVERSAL JOINT SLEEVE WITH HOLDING BANDS
Protects the grease-filled joints from penetration of the liquid, even in cases of maximum pressure loading. Streamlined design to reduce turbulence.

STATOR
The seal on both ends is molded as an integral part of the elastomer; the pumped liquid never comes into contact with the bonding zone alive.

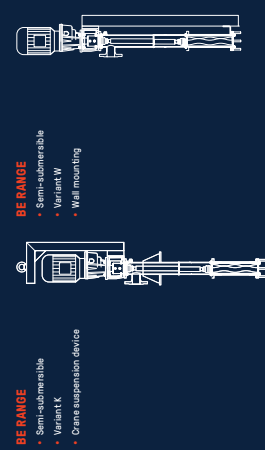
BE RANGE VARIATIONS

SEPEX semi-submersible pumps of the BE range, available with crane suspension, wall mounting, or a circular mounting plate with pressure branch above or below, are suited for drilling, classifiers, sludge tanks, pits and containers of all types. Using an airtight circular mounting plate, the pumps can be installed in closed systems to comply with strict environmental regulations. Fully submersible pumps are available upon request.



BE RANGE
• Semi-submersible
• Variant U
• Pressure branch below the circular mounting plate

BE RANGE
• Semi-submersible
• Variant O
• Pressure branch above the circular mounting plate



BE RANGE
• Semi-submersible
• Variant K
• Crane suspension device

BE RANGE
• Semi-submersible
• Variant W
• Wall mounting

APPLICATIONS

SEEPEX semi-submersible pumps drain containers, pits, basins and barrels. They can convey abrasive or corrosive products with thin to high viscosities. Custom-built for each application, they are easy to maintain and have low operating costs. Our semi-submersible pumps are a cost-effective alternative to other pump systems.

FEATURES

- BE range available in four different variations for adaptation to each application
- Minimal pulsation, uniform flow
- Variable submersible depths
- Increases the available NPSH (Net Positive Suction Head)
- The pump can be installed in a “can” to further increase NPSHa for fluids with high vapor pressures
- Can be installed in a closed system to comply with environmental regulations

KEY FACTS

- Conveying capacity:
30 l/h–300 m³/h (0.132–1,320 USGPM)
- Pressure:
up to 12 bar (180 psi)

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