

# **PREPARE TO DIVE PRODUCT GROUP E**





# FOR EMPTYING POWER.

SEEPEX 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 NPSHa and/or footprint are restricted.

## 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.



## **BE RANGE VARIATIONS**

SEEPEX 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 draining clarifiers, sumps, tanks, pits and containers of all types. Using gastight circular mounting plates, the pumps can be installed in closed systems to comply with strict environmental regulations. Fully submersible pumps are available upon request.

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## **BE RANGE BE RANGE** ŀΉ Semi-submersible Semi-submersible Variant U Variant O Pressure branch below the Pressure branch above the circular mounting plate F circular mounting plate ╏╻╻╻ **BE RANGE** Q **BE RANGE** Semi-submersible Semi-submersible Variant K Variant W Wall mounting • Crane suspension device PT

## DRIVE

Gearmotors, variable speed drives or hydraulic motors from all major manufacturers, directly flanged 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 tank 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 adhesive.



## **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 m<sup>3</sup>/h (0.132-1,320 USGPM)
- Pressure: up to 12 bar (175 psi)

SEEPEX GmbH www.seepex.com