

Submersible Motor Pumps for Geothermal Applications

PLEUGER
since 1929

PLEUGER Submersible Motor Pumps

PLEUGER submersible pumps and motors are designed, engineered and manufactured for absolute reliability and outstanding longevity to solve some of the toughest applications in the most challenging

and harshest environments. We have been operating worldwide for more than 90 years. The PLEUGER brand stands for true craftsmanship, combining vision, precision, and attention to detail.

FEATURES

- Design lifetime 25+ years
- Ultra-low maintenance
- Sizes: 6 inch to 50 inch
- Standardized & Engineered to Order
- Rewindable motor
- Pump bowl flanged design

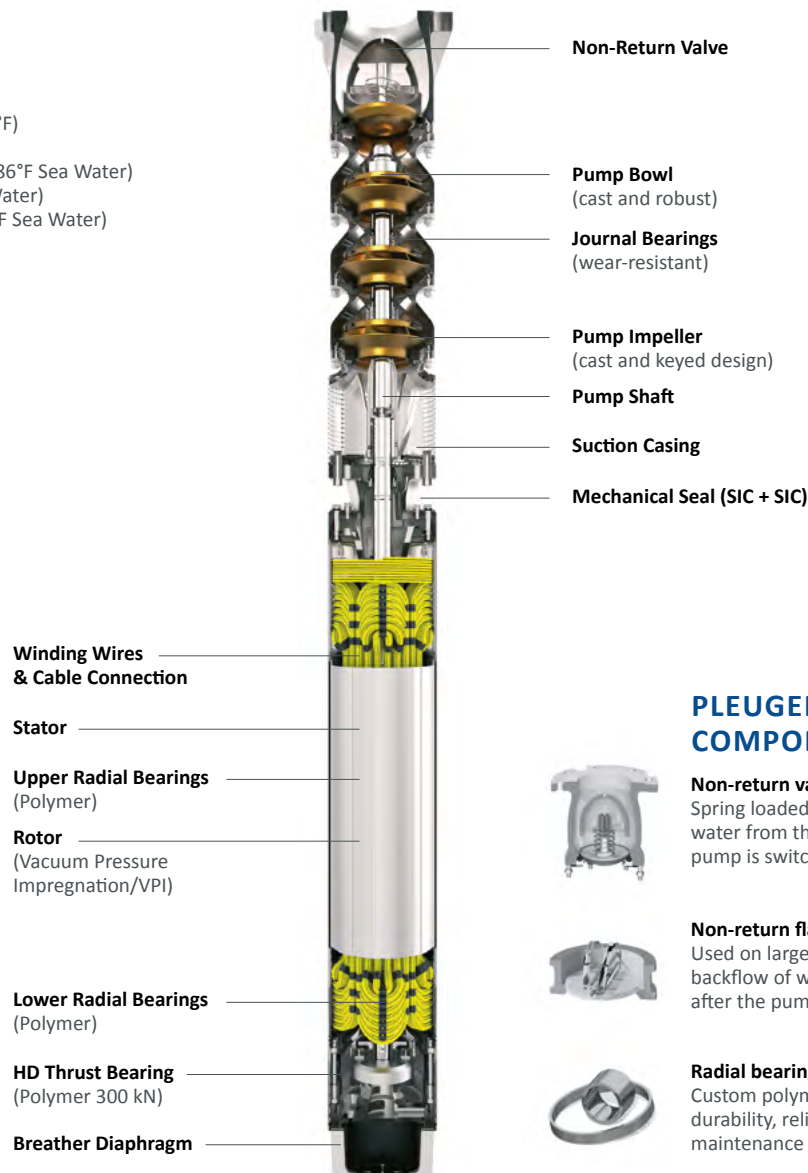
ROBUST CASING MATERIALS

- Zinc free bronze (up to 15°C /59°F)
- NiAlBz (up to 30°C /86°F)
- Stainless Steel 316 (up to 30°C /86°F Sea Water)
- Duplex (up to 40°C /104°F Sea Water)
- Super-Duplex (above 40°C /104°F Sea Water)
- Water-filled motors as standard



PERFORMANCE

- Flows to: 8,000 m³/h / 26,417 gpm
- -25°C to +80°C (-13°F to 176°F)
- 230V to 6.6kV (11kV on request)
- 2 pole (standard) to 12 pole available



PLEUGER CUSTOM COMPONENTS



Non-return valve
Spring loaded, avoid backflow of water from the pipeline after the pump is switched off



Non-return flap
Used on larger pumps to avoid backflow of water from the pipeline after the pump is switched off



Radial bearings and rings
Custom polymer bearings ensure durability, reliability and ultra-low maintenance cycles

RELIABLE SOLUTIONS FROM THE EXPERTS FOR
SUBMERSIBLE PUMPS AND MOTORS

PLEUGER. Reliable. Always.

Pleuger Industries GmbH · Friedrich-Ebert-Damm 105
22047 Hamburg www.pleugerindustries.com

INTERNATIONAL STANDARDS

Design Standards: API 610 ANSI - ASTM - CE marking DIN
Hydraulic Institute - SO - NORSOK Customer specific or tailored
Hydraulic Standards: API610 - ANSI/HI - NFPA20
Elektrical Standards: EC - IEEE - NEMA. Zertifikate: ACS - ABS - CSA - DNV GL

HOT WATER AND GEOTHERMAL APPLICATIONS

Tapping natural Geothermal energy reservoirs, our custom designed hot water submersible pumps are highly efficient and reliable units. PLEUGER pumps are used worldwide in a range of district heating projects, including the Netherlands, Slovenia and Iceland.

Built for harsh environments and using only high-grade materials, PLEUGER pumps guarantee operation, even in the most extreme conditions.

APPLICATIONS

- District heating
- Geothermal energy
- All-weather greenhouse energy
- Cooling water and process pumps
- Thermal spas

TECHNICAL DATA

- Up to 270 kW (362 HP)
- 200 – 1000V/ 3PH / 50Hz or 60Hz / 2 pole
- Motor sizes 6" to 12"
- Starting method DOL, Star-Delta (on request)

FEATURES

- up to 50°C (122°F) water temperature as standard
- up to 80°C (176°F) water temperature on request
- various engine cooling options

