PLEUGER

Part of
FLACKS GROUP

Bottom Intake Pumps

50 Hz/60 Hz

A Dimension of Power

PLEUGER. Reliable. Always.

PLEUGER Bottom Intake Pumps

PLEUGER Bottom Intake Pump Units are single or multi-stage centrifugal pumps coupled with water-filled motors. The intake is in the unit´s lower part, so the pump operates even when the water line reaches low levels. The motor above the pump is located in a unique bypass shroud. Bottom Intake Pumps units are designed for vertical or inclined installation and are available in standard configuration or engineered to order for specific requirements.

As reliable and ATEX-certified pumps, PLEUGER Bottom Intake pumps also ensure the safe and secure handling of underground storage of critical liquids. They are a perfect solution for handling fluids such as crude oil and other petroleum products, including LPG, LNG, Butane, Propane, Diesel, and Gasoline. A large variety of PLEUGER pumps and motors can be combined to meet any site condition and are engineered and manufactured according to customer specifications.

Powerful Design

ROTOR

Best quality through vacuum pressure impregnation (VPI)

World class Submersible Motor with forced internal Motor Cooling, rewindable

AXIAL HDB THRUST-BEARING

Heavy-duty polymer for very high load capacity (up to 300 k), best in class and developed in house

HIGH QUALITY WEAR RING

RADIAL JOURNAL BEARINGS

High-Performance Polymer Materials

PUMP IMPELLER

Casted and keyed design

CAST IRON HOUSINGS

KEYED CONNECTION

Service friendly solution

FLANGED DESIGN

PUMP BOWL

Casted and robust Design

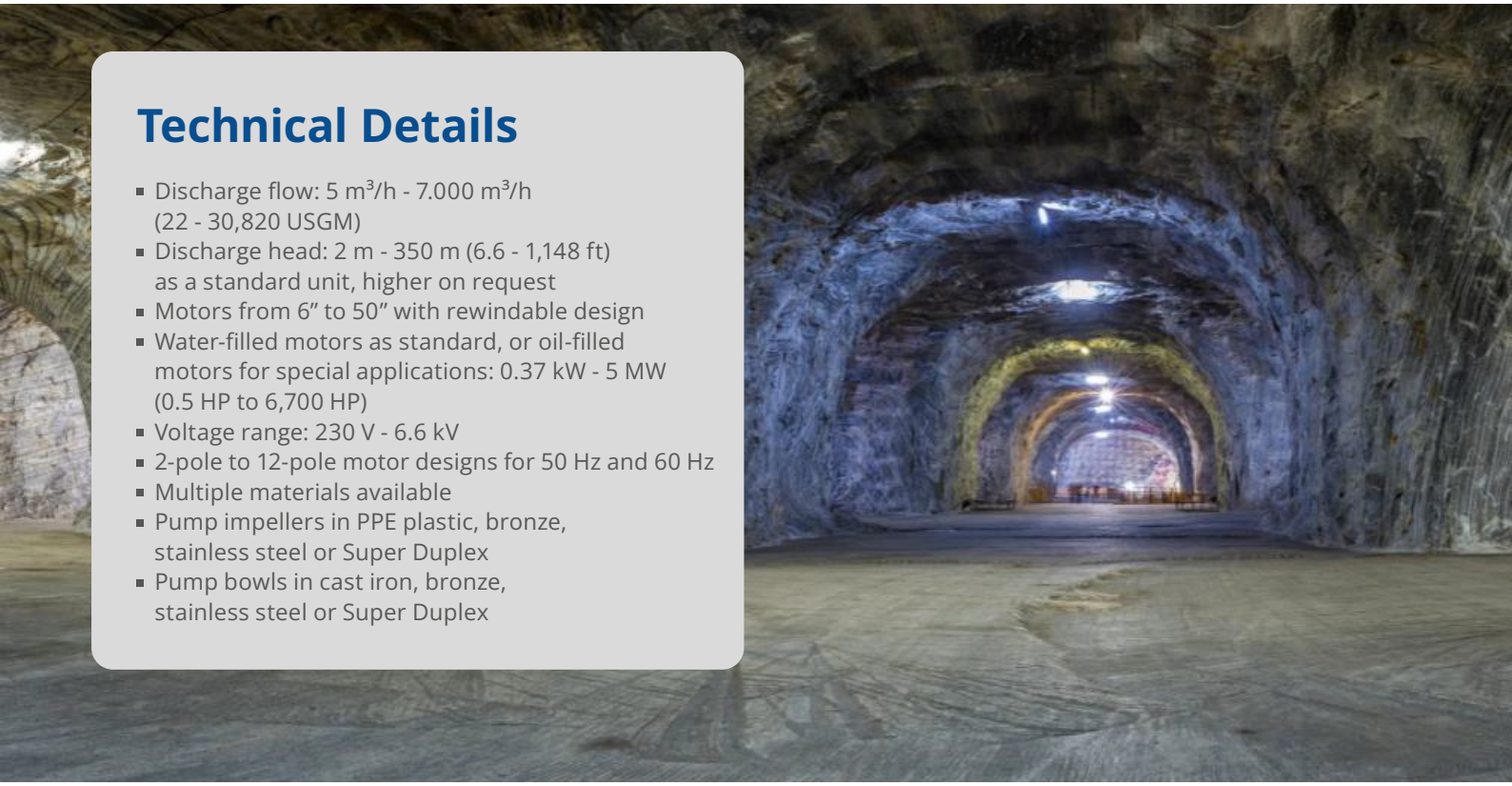
PLEUGER. Reliable. Always.

Advantages

- Maximum reliablility
- Ultra-low maintenance
- Broad range of material grades
- Custom-made variations available
- +25 life time design
- Engineered and manufactured in-house to ensure end to-end quality and assurance
- Worldwide operating service network
- versatile product sizes and designs for almost all application areas
- internal volume and pressure compensating motor design for high operational safety and reliability in extreme installation depths
- Minimal noise emission
- ATEX-certified
- Flood-proof (IP68) and frost-proof
- Environmentally friendly
- Easy installation without complex adjustment or alignment work

Features

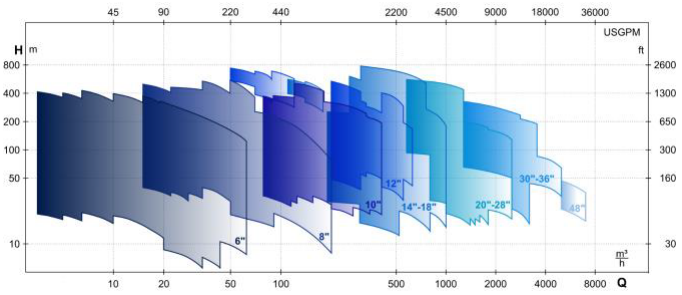
- Pumps with flanged bowl designs (starting from 8“ / P, Q, K, S – series)
- Pumps with semi-axial- and axial-design hydraulics
- Individual customization to duty point requirements
- Rewindable water-filled motors
- Oil-filled motors for special applications
- Internal volume and pressure compensating motor design
- Improved internal cooling system for 10” motor size and bigger
- Units for vertical and inclined applications
- Multiple materials available
- Pumps and motors for special applications
  - Motors with additional/external cooling systems
  - Motors for special voltage requirements
  - Motors according to customer specifications



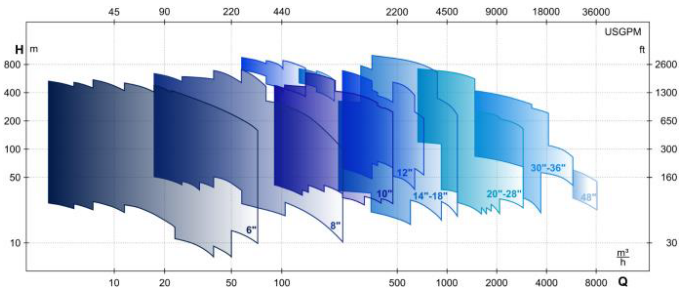
Technical Details

- Discharge flow: 5 m^3/h - 7.000 m^3/h (22 - 30,820 USGM)
- Discharge head: 2 m - 350 m (6.6 - 1,148 ft) as a standard unit, higher on request
- Motors from 6” to 50” with rewindable design
- Water-filled motors as standard, or oil-filled motors for special applications: 0.37 kW - 5 MW (0.5 HP to 6,700 HP)
- Voltage range: 230 V - 6.6 kV
- 2-pole to 12-pole motor designs for 50 Hz and 60 Hz
- Multiple materials available
- Pump impellers in PPE plastic, bronze, stainless steel or Super Duplex
- Pump bowls in cast iron, bronze, stainless steel or Super Duplex

Working ranges (50Hz/60Hz)



Radial & semi-axial impeller working ranges (50 Hz)



Radial & semi-axial impeller working ranges (60Hz)

WORLDWIDE SALES, SERVICE AND SUPPORT

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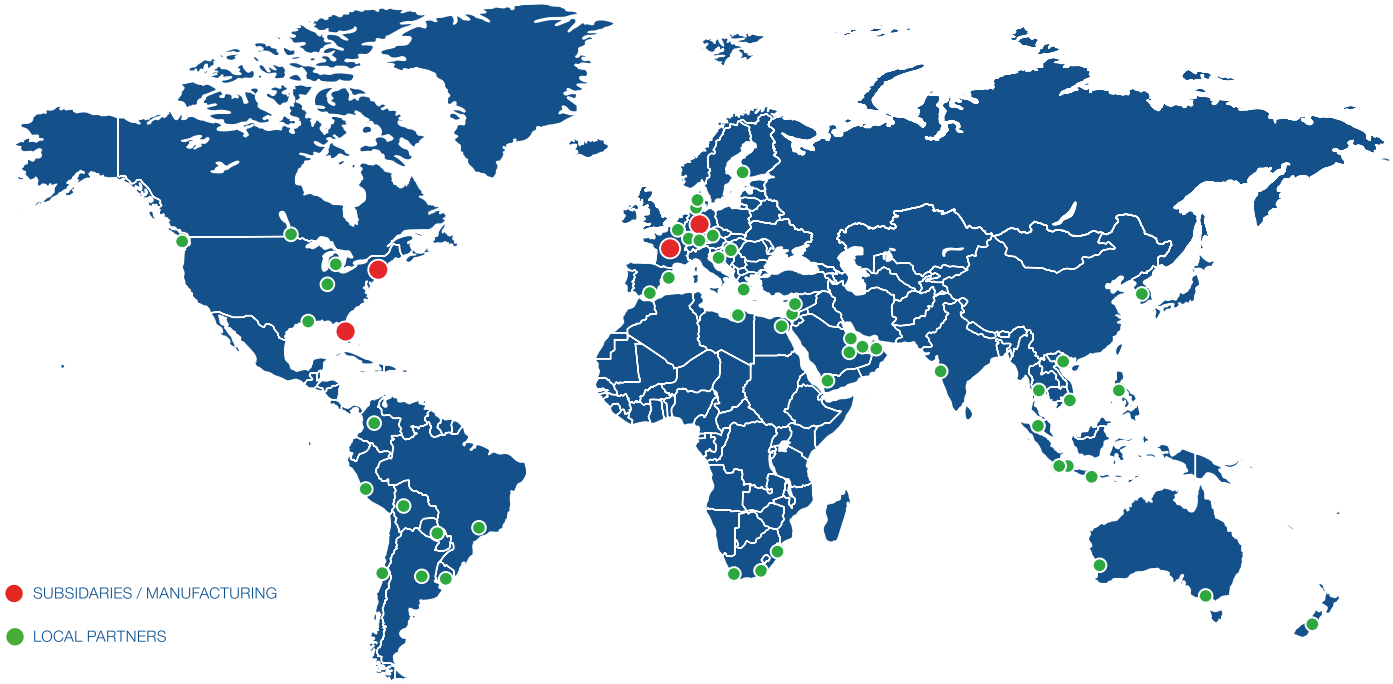

THE RELIABILITY EXPERTS

PLEUGER designs, manufactures and services submersible motors, pumps, thrusters and plunger pumps. Renowned worldwide for absolute reliability and outstanding longevity throughout the energy, mining, water, industrial processing and oil & gas industries.

Our products perform in some of the most challenging and harshest of environments. PLEUGER engineers find solutions to some of the toughest challenges and are trusted across the globe as the reliability experts.

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