





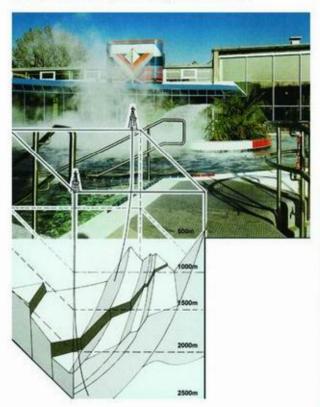
PLEUGER

Submersible Pumps & Water Filled Motors



Hot Water and Geothermal

For the pumping of high-temperature water, PLEUGER offers of a wide range of submersible pumps with different design features to cope increasing temperature loads; i. e. standard units modified standard units and special designs for hot water.



The extreme demands made on material stability are met by careful selection of materials.

Thanks to its highly developed motor technology, PLEUGER is also specialized in hot -water pumping for industrial water and therm water applications (swimming pools, greenhoses, district heating). PLEUGER is thus making a great contribution to the utilization of alternative energies.

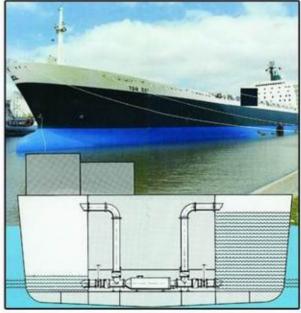
Ships

PLEUGER submersible pumps are used in a varity of applications on ships in water ballast or trimming systems.

The space-saving compact design and the maintenance-free operation of the submersible pumps permit installtion even in area where access is difficult.

PLEUGER submersible pumps can be used in any installation position.

Because PLEGER axial flow pumps can be operated in reverse, they have the advantage that the system can be operated in either direction with a single pump.



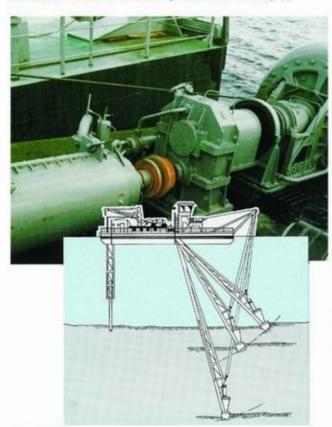
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Submersible Motors Applications

Dredgers

One further special field of application for Pleuger submersible motors is in dredgers which excavate far below the water surface. The submersible motors can be utilized both to drive the dredger pumps and the cutter heads. Power transmission shafts with multiple bearings are not required.

The pressure- compensated submersible motors drive the cutter heads on the dredger's ladder directly by



means of a reduction gear box.

Because of their robust construction,
the submersible motors are able to withstand the
hard strokes and the high acceleration forces
arising during the piling operation.

Special Designs

PLEUGER manufactures submersible motors according to special customer requirements and for specific applications – e.g. foot-mounted motors for horizontal installation motors with modified motor shafts for the direct connection of all types of machines, motors for hot water or for utilization in special media (see photo: PLEUGER submersible motor VNR 50 with a directly coupled centrifugal dredger pump). The high efficiency, the robust construction and the long life of the maintenance-free PLEUGER submersible motor permits unrestricted utilization of all advantages offered by a submersible drive.



