

Submersible Pumps & Water Filled Motors



PLEUGER

Submersible Motors

A Dimension of Power

Pleuger submersible motors have been providing successful and reliable service since 1929. The three – phase motors are water – filled AC –Squirrel cage induction motors. Lubrication and cooling is provided by a filling of potable water or with a mixture of environmentally safe anti-freeze. The corrosion – resistant stainless steel stator contains the aging – resistant, waterproof insulated windings of high di-electric strength. The stator is fully rewindable. The electrical power supply is provided by a specially developed and water proof submersible motor cable, led into the motor through easy – to – assemble cable glands. The dynamically balanced rotor rotates in oversized twin bearings on each end. A diaphragm in the motor base provides pressure / volume compensation of the motor during temperature changes. A high quality mechanical seal prevents the ingress of ambient liquid to the motor, fully protecting the motor against contamination. An adjustable, self-aligning thrust bearing allows high thrust service life, even under the heaviest duty condition.

New features

* Improved internal cooling system, a development using an improved design of cooling impeller. This tighter, with the highly developed design of the flow – conducting components provides a more effective cooling circuit, ensuring sufficient thermal reserves for most pumped waters.

* A new thrust bearing. The bearing is water – lubricated: a tilting pad bearing, consisting of stainless steel pads running against a hard carbon surface, which is itself part of the thrust bearing plate.

* Load gradients of 1500 KN/second are possible with the highly wear resistant new bearing. This can be particularly important in case of water hammer.

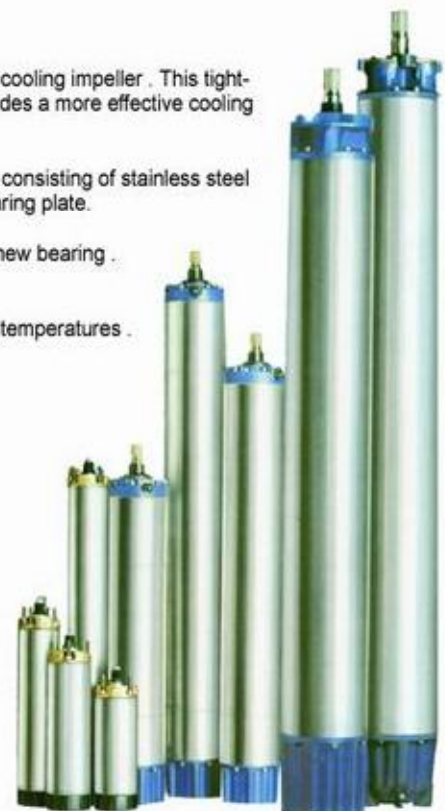
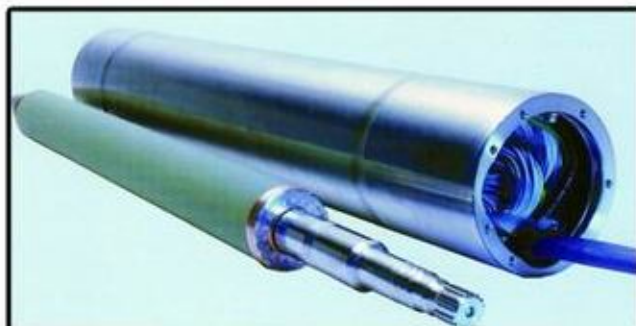
*The MI10 can be modified for special applications which involve high operating temperatures. The modification enables the thrust bearing in temperatures up to 120°C.

* As an option, a stainless steel sand guard can be supplied which protects the motor against corrosive and / or abrasive liquids.

Pleuger submersible motors are available for vertical or horizontal installation, and also for hot water applications.

In maintaining our reputation, Pleuger continues to update and develop the outstanding design of the motors.

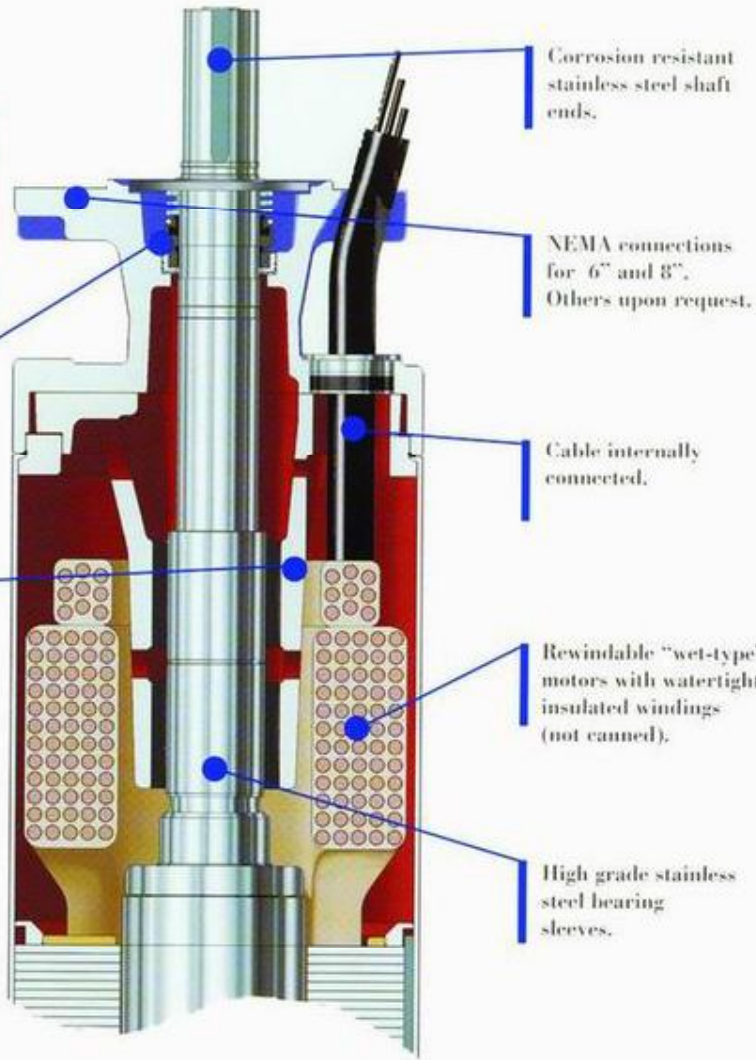
- Pleuger offers motors up to 5.000kW and high voltage up to 6.600 V.
- Motors can be offered in all materials from cast iron, bronze, up to super duplex stainless steel.
- Pleuger motors are designed to operate with variable frequency drive (VFD).





Mechanical seal standard.

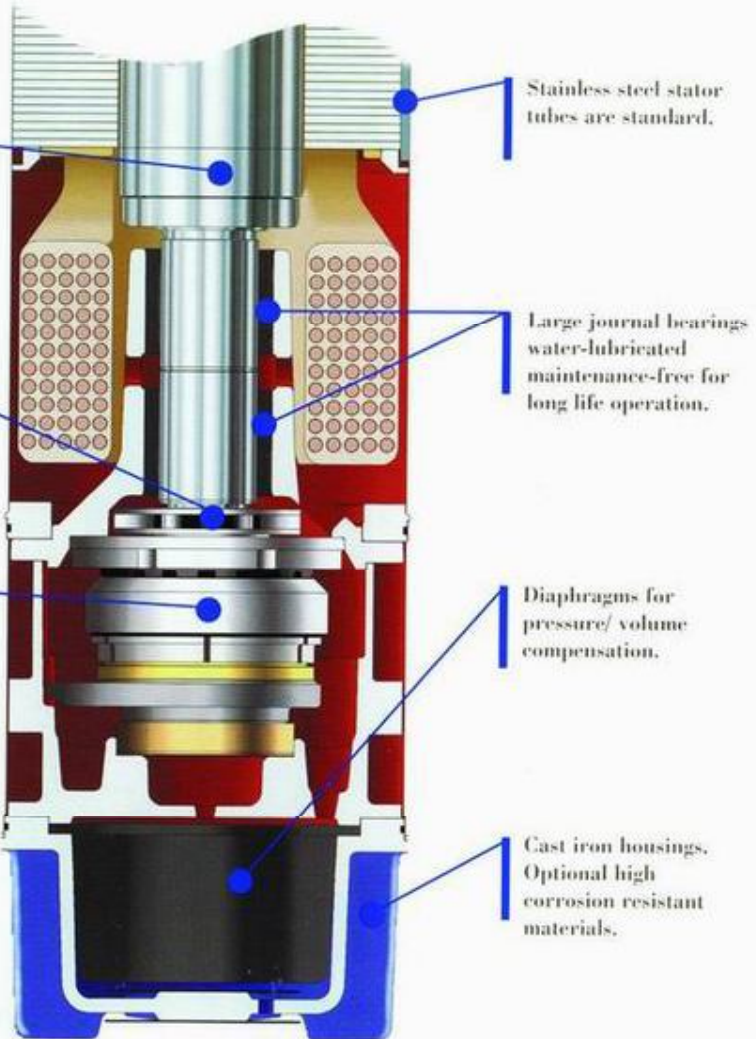
Sleeve bearing housing.



Dynamically balanced rotors.

Cooling Impeller

Heavy duty adjustable self-aligning thrust bearings.





FLOWSERVE
Pump Division

Flowserve Hamburg GmbH

Friedrich-Damm 105
D-22047 Hamburg
Postfach P.O.Box :70 13 20
D-22013 Hamburg
Tel.: +49 40 6 96 89 - 0
Fax: +49 40 6 96 89 - 488



PAPANTONATOS
Pumps service & engineering

Roumelis & Afon Douna 1
13671 Acharnes - Attiki
P.O. BOX 46546
Tel : +30 210 2431111
Fax : +30 210 2431601
Web : www.papantonatos.gr