

# **SAFETY INSTRUCTIONS (GB)**

## **ORIGINAL INSTRUCTIONS (GB)**

07/16 cod. 60179307



## KEY

The following symbols have been used in the discussion:



### **SITUATION OF GENERAL DANGER.**

Failure to respect the instructions that follow may cause harm to persons and property.



### **SITUATION OF ELECTRIC SHOCK HAZARD.**

Failure to respect the instructions that follow may cause a situation of grave risk for personal safety.



### **Notes and general information.**

## WARNINGS



Read this documentation carefully before installation. Installation and operation must comply with the local safety regulations in force in the country in which the product is installed. Everything must be done in a workmanlike manner.




Failure to respect the safety regulations not only causes risk to personal safety and damage to the equipment, but invalidates every right to assistance under guarantee.




### **Skilled personnel:**


It is advisable that installation be carried out by competent, skilled personnel in possession of the technical qualifications required by the specific legislation in force.


The term skilled personnel means persons whose training, experience and instruction, as well as their knowledge of the respective standards and requirements for accident prevention and working conditions, have been approved by the person in charge of plant safety, authorizing them to perform all the necessary activities, during which they are able to recognize and avoid all dangers. (Definition for technical personnel IEC 364).


 The appliance may be used by children over 8 years old and by persons with reduced physical, sensory or mental capacities, or who lack experience or knowledge, on condition that they are under supervision or after they have received instructions concerning the safe use of the appliance and the understanding of the dangers involved. Children must not play with the appliance. Cleaning and maintenance intended to be carried out by the user must not be performed by children without supervision.

**Safety:**

 Use is allowed only if the electric system is in possession of safety precautions in accordance with the regulations in force in the country where the product is installed (for Italy CEI 64/2).


 The power supply cable must never be used to carry or shift the pump.

 Never pull on the cable to detach the plug from the socket.

 If the power cable is damaged, it must be replaced by the manufacturer or by their authorised technical assistance service, so as to avoid any risk.

Failure to observe the warnings may create situations of risk for persons or property and will void the product guarantee.

**RESPONSIBILITY**

 The Manufacturer does not vouch for correct operation of the electropumps or answer for any damage that they may cause if they have been tampered with, modified and/or run outside the recommended work range or in contrast with other indications given in this manual. The Manufacturer declines all responsibility for possible errors in this instructions manual, if due to misprints or errors in copying. The Manufacturer reserves the right to make any modifications to products that it may consider necessary or useful, without affecting their essential characteristics.

## TECHNICAL CHARACTERISTICS

Consult the attached Instructions Booklet to check the following technical data:

- Electric Power Supply.
- Construction Characteristics.
- Hydraulic Performance.
- Working Conditions.
- Pumped liquids.

## INSTALLATION



If the system is used for the domestic water supply, respect the local regulations of the authorities responsible for the management of water resources.



Choosing the installation site verified that:

- The voltage and frequency on the pump's technical data plate correspond to the values of the power supply system.
- The electrical connection is made in a dry place, far from any possible flooding.
- The electrical system is provided with a differential switch with  $I_{\Delta n} \leq 30 \text{ mA}$  and that

the earth system is efficient.

## ELECTRICAL CONNECTIONS



Attention: always respect the safety regulations! Electrical installation must be carried out by an expert, authorised electrician, who takes on all responsibility.



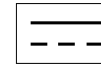
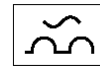
The system must be correctly and safely earthed as required by the regulations in force.



The line voltage may change when the electropump is started. The line voltage may undergo variations depending on other devices connected to it and on the quality of the line.



The differential switch protecting the system must be correctly sized and must be of the "Class A" type. It must guarantee disconnection in the event of a category III over-voltage. The automatic differential switch must be marked with the following two symbols:





The thermal magnetic circuit breaker must be correctly sized (see Electrical Characteristics).

## **MAINTENANCE**



Cleaning and maintenance activities must not be carried out by children (under 8 years of age) without supervision by a qualified adult. Before starting any work on the system, before starting to look for faults it is necessary to disconnect the power supply to the pump (take the plug out of the socket).

## **DISPOSAL**



This product or its parts must be disposed of in an environment-friendly manner and in compliance with the local regulations concerning the environment; use public or private local waste collection systems.