PENTAIR

NOCCHI
DOMINATOR

CE

IT - ISTRUZIONI ORIGINALI IN LINGUA ITALIANA

SUMMARY

WARNINGS
For the safety of individuals and objects.
Carefully follow the instructions marked with the following symbols.

DANGER - ELECTRIC SHOCK RISK
Warns that the failure to follow the directions given may cause electric shock.

DANGER
Warns that the failure to follow the directions given could cause serious risk to individuals or objects.

WARNING
Warns that the failure to follow the directions given could damage the pump or the system.

WARNING
Read this manual carefully before installing this pump. Any damage caused by failure to observe the directions contained in this manual will not be covered by warranty.

CHAPTER 1
FEATURES

DOMINATOR electropumps are suitable to pump clear water that contains no dissolved gases.
The electropumps of this series are multiphase centrifugal and submergible pumps. The parts that come into contact with water are all suitable to be used with cooking water. Every electropump has been carefully tested and packed. On receiving the product, verify that the electropump has not been damaged during transport. If damage is reported, immediately contact the dealer within and no later than 8 days from the purchase date.

CHAPTER 2
LIMITATIONS

The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter. The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system information on benchmark efficiency is available at: www.europump.org/efficiencycharts

WARNING
The electropump cannot be used to move inflammable or dangerous liquids.

WARNING
Verify that the electropump never runs without liquids.

- Max. Temperature of pumped liquid 40° C continuous operation
- Max.On/off cycles/hour 30 equally spaced
- Max. Immersion depth 17 m
- Maximum dimension of pumped solid objects 2 mm
- Maximum amount of sand 50 g/m^3
- Minimum diameter of the well 135 mm DOMINATOR 5" (without float)
- Minimum diameter of the well 100 mm DOMINATOR 4" (without float)

CHAPTER 3
INSTALLATION

DANGER - ELECTRIC SHOCK RISK
During installation, verify that the pump is disconnected from the electrical supply.

WARNING
Make sure that the float switch stops the pump, when the min. level of liquid is reached.

WARNING
Make sure no obstacles obstruct the movement of the float switch.

DANGER
This appliance can be used by children aged 8 years or over and by persons with limited physical, sensory or intellectual capabilities, or with limited experience and knowledge, provided that they are supervised or have been instructed in the safe use of the appliance and are aware of the dangers involved. Children must not be allowed to play with the appliance. Cleaning and user maintenance must not be carried out by children unless they are supervised.

DANGER
Pollution of the liquid could occur due to the leakage of lubricants

- It is advisable to fit a check valve to prevent the fluid from re-circulating when the pump is stopped. Avoid using the electric cable to lift or transport the pump.
- Use a stainless steel or nylon rope, suitable to sustain the weight, to immerse the electropump.
- 1 slot only has been provided to anchor the electropump.
- Anchor the rope so that it balances the weight of the electropump.
- It is advisable to connect the electric cable to the delivery with plastic straps, at a distance of about 3 m, when using rigid piping.
- It is also advisable to fit automatic level controls to prevent the electropump from running without liquids and a pressure gauge (suitable to the electropump model) to verify its performance during operation.
- The automatic DOMINATOR model is equipped with a pre-set float switch (See fig.1). To change the adjustement range, increase or decrease the free piece of float switch cable by sliding it through the seat on the handlebar.

CHAPTER 4
ELECTRICAL CONNECTIONS

WARNING
Verify that the voltage and frequency of the electropump shown on the nameplate correspond to those available on the mains.

DANGER - ELECTRIC SHOCK RISK
The installer must make sure that the electric system is grounded in accordance with the law in force.

DANGER - ELECTRIC SHOCK RISK
Make sure that the electric system has a (RCD) high-sensitivity circuit breaker D=30 mA.

Electropumps have a plug with double ground contact at the end of the power supply cable. In this case the electropump is grounded by inserting the plug in the socket.

OVERLOAD PROTECTION
DOMINATOR is a single-phase electropump with in-built thermal circuit breaker and automatic reset and doesn't therefore require any external protections.

CHAPTER 5
STARTING THE UNIT (SEE PICTURE 1 - PAGE 91)

WARNING
Use the electropump for the applications listed on the nameplate.

WARNING
Do not operate the electropump without liquids, to avoid damaging hydraulic parts and seal.

WARNING
Do not operate the electropump when the interception valve on the delivery side is completely closed.

Connect the pipe to the 1" 1/4 delivery mouth before starting the electropump. Connections must be made so as to avoid losses. Start the pump by inserting the plug in an appropriate outlet.

CHAPTER 6
MAINTENANCE AND TROUBLESHOOTING

DANGER - ELECTRIC SHOCK RISK
Make sure the machine is disconnected from electric power supply, before performing servicing operation.

DANGER - ELECTRIC SHOCK RISK
The power cord must be replaced by the manufacturer or the Customer service, using special tools.

- Under normal conditions DOMINATOR electropumps do not need any type of maintenance. In order to avoid possible failures, it is advisable to periodically check the pressure supplied and current absorption.
- A decrease in pressure is a symptom of wear. An increase in current absorption is a sign of abnormal mechanical friction in the pump and/or motor.
- If the electropump is not going to be used for long periods of time it should be emptied completely, rinsed with clean water and put in a dry place.

CLEANING THE FILTER

- If the sucked water is not perfectly clean, it may be necessary to clean the filter with a steel brush to scrape the dirt accumulated on the external surface.
- It is also possible to clean the internal section of the filter.
- Loosen the screw that fixes the filter to the body of the electropump and remove it.
- Scrape the dirt with a steel brush and rinse it with clean water.
- If this is not sufficient, have the hydraulic parts cleaned by an authorised centre.

PROBLEM	POSSIBLE CAUSE	REMEDY
THE ELECTROPUMP DOES NOT PUMP WATER, THE MOTOR DOES NOT RUN	1) No power.	1) Check the presence of voltage and if the plug is plugged in properly.
	2) Motor protection tripped.	2) Verify the cause and reset the switch. If the thermal circuit breaker has tripped wait for the system to cool down.
	3) Defective condenser.	3) Replace the condenser.
	4) Shaft blocked.	4) Verify the cause and unblock the electropump.
THE MOTOR RUNS BUT THE ELECTROPUMP DOES NOT PUMP LIQUID	1) The pump is sucking air.	1) • Make sure that the joints are airtight. • Check that the level of liquid has not dropped below the minimum priming level.
	2) The pump rotates in the wrong direction	2) Reset the direction of rotation.
	3) Suction grid blocked.	3) Clean the suction grid.
	4) Check valve blocked.	4) Clean or replace valve.
THE ELECTROPUMP STOPS AFTER RUNNING FOR A SHORT PERIOD OF TIME BECAUSE ONE OF THE THERMAL MOTOR CIRCUIT BREAKER TRIPS	1) The power supply does not conform with the data on the nameplate.	1) Check the voltage on the power supply cable leads.
	2) A solid object is blocking the impellers.	2) Take the electropump to an authorised centre so that it can be disassembled and completely cleaned.
	3) The liquid is too thick.	3) Change the type of electropump.

If the problem cannot be eliminated after carrying out the above-described operations contact the closest service centre.