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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.*

CH. 1 FEATURES

DOMINATOR electropumps are suitable to pump clear water that contains no dissolved gases.

The electropumps of this series are multiphase centrifugal and submersible 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.

CH. 2 LIMITATIONS



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.....	20 m
MAXIMUM DIMENSION OF PUMPED SOLID OBJECTS.....	2 mm
MAXIMUM AMOUNT OF SAND.....	50 gr/m ³
MINIMUM DIAMETER OF THE WELLÙ	135 mm Dominator 5" (without float)
MINIMUM DIAMETER OF THE WELLÙ	100 mm Dominator 4" (without float)

CH. 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.

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 adjustment range, increase or decrease the free piece of float switch cable by sliding it through the seat on the handlebar.

CH. 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 high-sensitivity circuit breaker $\Delta=30$ mA (DIN VDE 0100T739).

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.

COMPONENTS		CABLE COLOURS									
		VOLTAGE									
		50 Hz					60 Hz				
		1x 220-230 V	1x 240 V	1x 110-115 V	3x 230-400 V	3x 240-415 V	1x 220-230 V	1x 110-115 V	3x 230-480 V	3x 230-460 V	
1	AUX	green	green	green			grey	red			
2	RUN	red	yellow	brown			white	brown			
3	COMMON	black	black	black			black	black			
L1	AVV. 1				black	yellow			white	blue	
L2	AVV. 2				red	red			red	red	
L3	AVV. 3				green	green			green	green	
8	GROUND CABLE	yellow-green									
9	CONDENSER CABLE	white									
10	FLOAT SWITCH CABLE	brown									
11	FLOAT SWITCH CABLE	light blue									
4	CONDENSER	6	GROMMET				12	FLOAT SWITCH			
5	POWER SUPPLY CORD	7	PLUG								

CH. 5 STARTING THE UNIT



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.

CH.6 MAINTENANCE AND TROUBLESHOOTING



DANGER
Electric shock risk

Make sure the machine is disconnected from electric power supply, before performing servicing operationn.



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. 2) Motor protection tripped. 3) Defective condenser. 4) Shaft blocked.	1) Check the presence of voltage and if the plug is plugged in properly. 2) Verify the cause and reset the switch. If the thermal circuit breaker has tripped wait for the system to cool down. 3) Replace the condenser. 4) Verify the cause and unblock the electropump.
THE MOTOR RUNS BUT THE ELECTROPUMP DOES NOT PUMP LIQUID	1) The pump is sucking air. 2) The pump rotates in the wrong direction 3) Suction grid blocked. 4) Check valve blocked.	1) - Make sure that the joints are airtight. - Check that the level of liquid has not dropped below the minimum priming level. 2) Reset the direction of rotation. 3) Clean the suction grid. 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. 2) A solid object is blocking the impellers. 3) The liquid is too thick.	1) Check the voltage on the power supply cable leads. 2) Take the electropump to an authorised centre so that it can be disassembled and completely cleaned. 3) Change the type of electropump.

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