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GENERAL SAFETY INSTRUCTIONS

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

Series **SWIMMEY** comprises single-bloc centrifugal pumps, without self-priming device, with front suction, radial delivery, one stage and peripheral impeller. Every pump is carefully tested and packed during its assembly. On receiving the pump, verify that the product complies with the requirements stated in the order and that it has not been damaged during transportation. All damages should be immediately reported to the dealer by and no later than 8 (eight) days from the date of purchase. Avoid dispersing and/or disposing the packing in the environment, to allow it to be recycled and collected in special waste disposal areas.

CH. 2 LIMITATIONS

SWIMMEY series pumps are suitable to pump chlorinated water from swimming pools. All the components in contact with the water come in man-made polymer, which offers a double electric insulation and full anti-oxidising properties.



WARNING

The pump cannot be used to move inflammable or dangerous liquids.



WARNING

Verify that the pump never runs without liquids.

MAX. TEMPERATURE OF PUMPED LIQUID	40° C
MAXIMUM/MINIMUM AMBIENT TEMPERATURE	45° C
MAXIMUM SUCTION HEIGHT (recommended)	3 m (with foot valve)
MAXIMUM OPERATING PRESSURE	2,5 bar

CH. 3 INSTALLATION



DANGER
Electric shock
risk

When installing, please ensure pump is disconnected from electrical supply.



WARNING

Protect the pump and all pipes from bad weather or freezing conditions.

All **SWIMMEY** pumps are self-priming. If the pump is used to suck water, it is advisable to install it as close as possible to the source. All pumps should be installed in a ventilated area to ensure sufficient air for cooling purposes. Suction pipes should be air-sealed and show no signs of bends and/or counter slopes to avoid the formation of air locks that could impair the regular operation of the pump. Pumps installed below the water level should be insulated from the system. It is advisable to fit an on-off valve both on the delivery and suction side.

Pipes should be fitted in a position that protects the pump from vibrations, stresses and loads. Therefore, pipe routes should be as short and direct as possible and avoid an excessive number of bends to limit load losses. **The delivery and suction pipes of SwimmeY 33 should have a minimum diameter of 3".** It is also necessary to make sure that there is sufficient space around the pump for maintenance purposes.

CH. 4 ELECTRICAL CONNECTIONS



WARNING

Verify that the voltage and frequency of the pump 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 $\Delta= 30 \text{ mA}$ (DIN VDE 0100/739)

Electric connections should be made using cables H07RN-F (external connections) or H05RN-F or H07RN-F (internal connections). For connections, refer to Figure 2 (single phase motors) or 3 (three-phase motors). Single-phase motors have a continuously running condenser and an in-built thermal protection in the motor winding. The protections for three-phase motors must be provided by customers. The electric system will have to have a cut-off switch with single-pole switch.

CH. 5 STARTING THE UNIT



WARNING

Use the pump for the applications listed on the nameplate.



WARNING

Do not operate the pump without fluids.



WARNING

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

Before starting the pump, fill the filtering body up to the suction level, after loosening the transparent plastic cover of the filter. To fill pumps below the water level, slowly open the valve on the suction side when the delivery valve is fully open to allow the pump drainage. Check that the pump rotates clockwise by looking at the pump from the motor fan side. On three-phase pumps it is possible to invert the rotation by exchanging the two phases. These pumps are self-priming. Priming time ranges from 1 to 5 minutes, with a suction height of 2÷3 m, in standard conditions (suction pipe with an internal diameter of 50 mm, water temperature of 20°C, frequency 50Hz).

Ch. 6 MAINTENANCE AND TROUBLESHOOTING



DANGER

Electric shock risk

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

In ordinary conditions, it is not necessary to service the pre-filter frame on **SWIMMEY** pumps. Clean the transparent cover with water and a mild detergent without using solvents. Clean the filter and re-install it in its housing. Close the transparent cover and restart the pump. Empty the pump using the drainage screw if the pump has to be stored for long periods of time or with temperatures below zero. The cover-filter, the drain screw and the nuts of articulated joints must be tightened manually without using pliers or other tools.

PROBLEM	POSSIBLE CAUSE	REMEDY
THE PUMP DOESN'T RUN	1) No power 2) Motor protection tripped	1) Verify the presence of voltage 2) Contact your retailer (customer assistance service).
THE MOTOR RUNS BUT THE PUMP DOES NOT PUMP LIQUID	1) The pump is sucking air 2) Wrong rotation direction	1) a) Make sure that the joints are airtight. - b) Check that the level of liquid has not - c) Check that the foot valve is airtight and is not blocked 2) Contact your retailer (customer assistance service).
THE PUMP 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 hot 4) The pump is running without fluids 5) The motor is not properly ventilated	1) Check the voltage on the power supply cable leads 2) Contact your retailer (customer assistance service). 3) Lower the temperature 4) Check that the pump had not been damaged and remove the causes, if necessary 5) Increase the air flow or move the pump