

GB Instruction manual

Safety precautions

This symbol   together with one of the following words 'Danger' or 'Warning' indicates the risk level deriving from failure to observe the prescribed safety precautions:



DANGER
risk of electric shock

Warns that failure to observe the precautions involves a risk of electric shock.



DANGER

Warns that failure to observe the precautions involves a risk of damage to persons and/or things.



WARNING

Warns that failure to observe the precautions involves the risk of damaging the pump and/or the plant.

1. General

The purpose of these instructions is to ensure the correct installation and best performance of our pumps.

These are single cell centrifugal pumps with built-in filler elements, especially designed for prefiltering and recirculation of water in swimming pools.

They are designed to operate with clean water at a maximum temperature of 35°C.

All materials used are of top quality: they are subjected to strict controls and verified to extremely demanding standards.

Correct compliance with the installation and operation instructions, and with the electrical connection diagrams, will prevent motor overloads and the consequences of all types that could otherwise result, consequences for which we decline all responsibility.



If the pump is not fixed, do not operate if there are people in the swimming pool.

The pump must be supplied through a residual current device (RCD) with a rated residual operating current not exceeding 30mA

2. Installation



The installation of our electric pumps is only permitted in swimming pools or ponds that meet DIN standards VDE 0100 part 702/11.82. In case of doubt, inquire with an expert.

The pump should be installed as near as possible to water level, in horizontal position, in order to obtain a minimum suction path and reduce head losses.

The pump should be protected from possible flooding and receive dry ventilation.

3. Pipework assembly

Suction and discharge pipework must have supports independent of the pump.

The suction hose tail is built into the filler cover assembly, for this reason the suction pipe must be flexible to enable easy removal of the cover.

The suction hose connection should be made using a good quality hose clip, ensuring that an air tight seal is made (This is important to avoid the pump sucking in air).

The pump is supplied with one or two two-part-hose-tail union. Optionally it can be supplied with one or two two-part union for solvent gluing.

Suction pipe should be installed with a slight incline to avoid air locks.

4. Electrical connection



On fixed installations, know in advance how to isolate the electrical charge to the pump

The electrical installation should have a multiple separation system with contact opening of at least 3 mm.

The protection of the system will be based on a differential switch ($I_{\Delta n} = 30 \text{ mA}$) If outdoor operation is foreseen, the power supply cord should meet EEC standards (2) or be of type H07 RN-F as per VDE 0250.

Single-phase motors will be equipped with built-in thermal protection.

The diagrams in Fig. (1) will allow correct electrical connection.

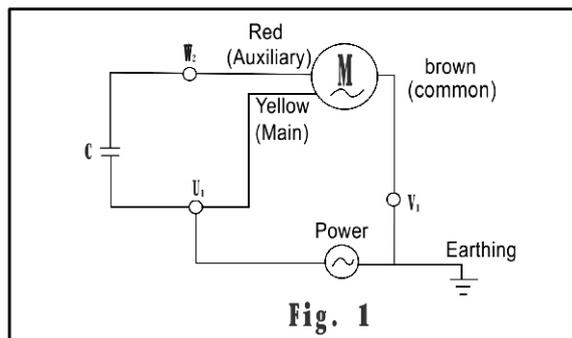


Fig. 1

5. Verifications prior to initial start-up



After making the connections, defined in the preceding section, unscrew the filter cover and fill the pump prefilter with water to the bottom level of the suction line.



Verify that the pump shaft turns freely.

Verify that the mains voltage and frequency match those specified on the nameplate of the pump.

Set the prefilter cover back in place and screw it to a suitable tightness.

Check that the turning direction of the motor matches that specified on the fan cover.

If the motor does not start, try to determine the cause of the irregularity by consulting the list of common faults and their possible solutions, provided in this manual.

NEVER RUN THE PUMP DRY.

6. Starting

Open all the gate valves and put the motor under voltage. Wait a reasonable time to allow self-priming.

7. Maintenance



Our pumps do not require any specific maintenance. It is advisable, however, to periodically clean the pump filter and to empty the pump housing in low-temperature periods through the bottom plug. If the pump is to remain idle, it is advisable to empty and clean it, and then reinstall the filter cover with petroleum jelly on the rubber gasket, taking measures to ensure that the place where the pump is to be stored will remain dry and ventilated.

In the event of breakdown, the user must in no event handle the pump, but must contact an authorised technical service.

When the time comes to dispose of the pump, it contains no toxic or contaminating materials. The principal components are duly identified for selective breaking.

Model	SPS50-1 Code 1480	SPS75-1 Code 1482	SPS100-1 Code 1483
Supply power	230V/50Hz	230V/50Hz	230V/50Hz
Input power	250W	450W	550W
Max Head	7.5m	9m	10m
Max flow	116L/min	141L/min	158L/min
Max.Suct	8m	8m	8m
Max dia. of partical	5mm	5mm	5mm
Outlet/Inlet Cable	40/40mm H05RN-F 1.6m	40/40mm H05RN-F 1.6m	40/40mm H05RN-F 1.6m