PA POND PUMP

Instruction Manual: PA Pond Pump

USAGE

Superior Pond Pumps are submersible pumps provided with an overload-protected single-phase alternating-current motor (split tube motor with capacitor) for use in garden ponds, fountains, terraced fountains, indoor fountains as well as for circulating and oxygenating clear water. You can use the suction cups or four screws to install it. It is fixed to any appropriate bases. Make sure the appliance is securely installed before operating it.
These pumps are not for use with swimming pools!

CAUTION:
Superior Pond Pumps should be installed according to your local electrical installation code. Please contact an electrician.
For all technical data please refer to the imprinted text on the pump.

⚠️ SAFETY MEASURES

Please read and follow these important instructions to help ensure your safety and the quality performance of your Superior Pond equipment.

- Always check that the motor connection and plug are intact before use.

- Motor voltage and current must correspond to the data on the type plate.

- The pump must be connected with a circuit breaker (ground fault interrupter, not more than 30 mA).

- The electrical connection should be located in a water-proof area and should be at least 2 meters (6 feet) away from the edge of the pond.

- Keep the electrical connections dry!

- Always unplug the unit before doing any work on the pump, fountain or pond.

- The pump must not be used when people are working in water (disconnect the pump first).

- Important: If the supply cord or the pump housing is damaged, the pump should be scrapped.

- For safety reasons, any repair work should be done only by the manufacturer of the product.

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- Never hang or transport the pump by means of the power cord!

- If you want to disconnect the pump, you can pull out the plug and the plug must be placed where you can access it.

START UP

IMPORTANT: Do not let the pump run dry – this could cause damage to the motor.

- Submerse the pump completely in your pond – causing the pump body to fill with water.

- A water level of approx. 15 cm (6 in.) is required for submersible use in order to prevent the pump from taking in air.

- To prevent the filter becoming prematurely clogged, place the fountain pump up off of the bottom of the pond!

- Install the enclosed filter sponge to also prevent the fountain jets from becoming clogged.

- The pump is designed to accommodate 1" internal threads as well as 1" external threads and also 1/2" internal threads when using the attached sleeve (Pos.3, not shown) through the socket (fountain jets, nozzles, water height regulators, standpipes, etc.).

- Running in conjunction with fountain jets, the pump should be stationed firmly and horizontally (on a brick).

- The pump can be switched on by simply plugging it in.

- The water temperature should not exceed 35°C(95°F) and do not let the pump freeze in the wintertime.

  Used as submersible pumps (see fig.1)

IMPORTANT: Do not let the pump run dry – this could cause damage to the motor.

Used as submersible pumps (see fig.1)

- Submerse the pumps completely in your pond so as to make the pump body fill with water.

- A water level of approx. 15 cm (6 in.) is required for submersible use in order to prevent the pump from taking in air. (See fig.1)

- To prevent the filter becoming prematurely clogged, place the pump above the mud in the pond!

- Install the enclosed filter sponge to prevent the inlet from becoming clogged.

- The pump is designed to accommodate 1" internal threads as well as 1" external threads through the socket (fountain jets, nozzles, water height regulators, standpipes, etc.).

- Running in conjunction with fountain jets, the pump should be stationed firmly and horizontally (on a brick).

- The pump can be switched on by simply plugging it in and switched off by unplugging it.

- The water temperature should not exceed 35°C(95°F) and do not let the pump freeze in the wintertime.

Non submersible usage (see fig.2)

The pump can be used in a non-submerged application:

- Position the pump lower than the water surface on the side of the pond so that the water can be drained to the pump (because it is not self-priming).

- Remove the filter cover and connect suction hose (A) and pressure hose (B) from the pump. The connection should be waterproof

- Fill the suction hose and pump with water before turning it on.

- To prevent the pump from becoming clogged, provide the suction hose with an adequate suction filter.

- The supply cord cannot be replaced. If the cord be damaged the appliance should be scrapped

- The pump must not be used when people are in water.

- The pump is only suitable with a FI-switch 30 mA and has to be connected to a regular safety plug socket. Never let the pump run dry.

OVERLOAD PROTECTION

The pump has a built-in thermal overload trip which prevents the pump from overheating. The pump must be allowed to cool down before restarting. After cooling, the pump will not start again automatically without proper conditions. Please check the following:

- Is there a sufficient water supply? *(add water if necessary)*

- Has the filter become clogged? *(clean if necessary)*

- Has dirt entered the pump housing? *(follow the cleaning instructions below)*

- As soon as you have completed this checklist, you can start the pump again by plugging it back in.

STANDARD MAINTENANCE

- Follow these safety measures. Make sure that the pump is unplugged.

- Press the filter cover together laterally and take it out of the pump.

- Loosen the outer screws.

- Unclip the pump housing from motor housing.

- Remove the rotor assembly from motor housing

- Clean all parts using water and soft sponge.

PUTTING THE PUMP BACK TOGETHER

- Replace the rotor assembly in motor housing with caution.

- Make sure the rotor assembly is free and will turn and check the position of the sealing ring on the pump housing.

- Plug the pump housing in the motor housing and tighten the screws uniformly.

- Replace the filter cover and filter sponge in the pump housing.