



# Electric Submersible Pump

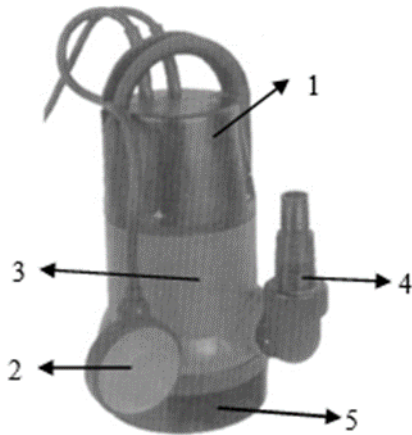
# Safety Instructions

## **Notice: Ensure you read and fully understand instructions before use**

While every attempt is made to ensure the highest degree of protection in all equipment, we cannot guarantee freedom from injury. The user assumes all risk of injury due to use. All merchandise is sold on this condition, which no representative of the company can waive or change.

- Make sure all fastenings are tightly in place and that everything is in order before using the product. This should be checked periodically by an adult.
- This product is intended for outdoor use only.
- Do not carry the pump by its electrical power cable, or outlet pipe. Only carry by the built-in handle.
- This product is not a toy, and is only to be used for its designated purpose.
- Do not carry out alterations or modifications to this product.
- To protect against electrical shock, do not immerse cord, plug or any part of this appliance in water or any other liquid.
- Do not exceed the maximum submersible depth of 7m.
- The pump must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30mA.
- Ensure the power supply to the socket into which the appliance is plugged, is in accordance with the rating label on the appliance and that the socket is earthed.
- Do not leave product in water that may freeze.
- When the appliance is not in use, always unplug from the mains socket.
- Do not discard any of the packaging until you have checked that you have all of the parts and fitting required.
- Do not use product when people are in the water.
- This product is not intended for use by persons (including children) with reduced physical, sensory and mental capacities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by persons responsible for their safety.
- Do not use to pump chemicals, fuels, salt water or inflammable, corrosive, explosive or dangerous liquids.
- If the product is damaged or has any defects, please contact [cservice@oypla.com](mailto:cservice@oypla.com)

# Operating Instructions



1	Behind cover
2	Switch
3	Nut
4	Output tie-in
5	Base

- Your submersible pump is designated for the circulation of water with maximum temperature of 35°C.
- This pump may not be used for other fluids, especially motor fuels, cleaning fluids, and other chemical products!

## 1. Installation

The submersible motor pump is installed as follows:

- In a stationary position with fixed pipeline.
- In a stationary position with a flexible hose pipe.

**PLEASE NOTE:** You should never install the pump by suspending it unsupported from its delivery pipe or power cable. The submersible motor pump must be suspended from the specially provided handle or be placed on the bottom of the shaft. To guarantee that the pump works properly, the bottom of the shaft must be kept free of sludge and dirt of all kinds.

If the level of water sinks too far, any sludge in the shaft will dry out quickly to stop the pump from starting up. It is necessary, therefore, to check the submersible motor pump regularly (by carrying out start up tests).

The floater is adjusted in a way that the pump can immediately be started.

**NOTE:** The pump shaft should have minimum dimensions of **40x40x50cm**, so that the floating switch can move freely.

## **2. Mains Supply**

Your new submersible pump is equipped with a shockproof plug according to regulations. The pump is designed to be connected to a 230V~, 50Hz safety socket.

Make sure that the socket is sufficiently secured (**min.6Amp.**) and is in excellent condition. Introduce the plug into the socket and the pump is ready to go.

**IMPORTANT NOTE:** If the mains cable or plug suffers any damage from external action, repairs to the cable are prohibited.

**NOTE:** This work may only be performed by a qualified electrician or customer service.

## **3. Areas of Use**

This pump is used primarily as cellar pump. When installed in a shaft, this pump provides protection from flooding.

They are also used wherever water has to be moved from one place to another, e.g. in the home, agriculture, horticulture, plumbing and many other applications.

## **4. Setting to Work**

After having read these instructions carefully, you can set your pump to work, reconsidering the following item:

- Check if the pump rests on the ground of the shaft.
- Check if pressure cord has been attached properly.
- Check if electrical connection is 230V~, 50Hz.
- Check if socket is in good condition.
- Make sure that the water and humidity can never come to the mains supply.
- Avoid pump running fry.

## **5. Maintenance Guidelines**

The submersible pump is an approved, maintenance free high quality product, which is subject to severe final controls.

We recommend, regular inspection and maintenance to ensure long equipment life and uninterrupted operation.

### **IMPORTANT NOTE:**

- Remove the mains plug before all maintenance work.
- In the event that the pump is often transported in the course of operation, it should be cleaned out with clear water after every use.
- In case of stationary installation, the function of the loading switch should be checked every 3 months.
- All fibrous particles which may have built-up inside the pump housing should be removed with a water jet.
- Every 3 months the shaft ground should be cleaned from mud.
- Remove deposits on the floater with clear water.

## **6. Setting the ON/OFF Switching Point**

### **Automatic Operation**

- The ON/OFF switching point can be infinitely adjustment facility. For this purpose you must first slacken the screw. The switching differential can be infinitely adjusted by extending or shortening the floating cable.

#### **Before you put the pump into operation, please check the following:**

- The float switch must be installed so that the level of the ON operating point and the level of the OFF operating point can be reached easily and with little force. To check this, place the pump in a vessel filled with water, raise the float switch carefully by hand and then lower it again. As you do so, note whether the pump switched on and off.
- Make sure that the distance between the float switch head and the latching holder is not too small. Proper operation is not guaranteed if the gap is too small.

When you set the float switch, make sure that it does not touch the base before the pump switches off.

**CAUTION:** Risk of dry-running.

## 7. Incidents-Causes-Remedies

Incidents	Causes	Remedies
Pump does not start	-Power supply not connected -Floater does not switch	-Check power supply -Raise position of floating switch
No flow	-Inlet sieve is clogged -Pressure hose in bent	-Clean inlet sieve water jet -Reset hose
Pump does not switch off	-Floater cannot sink down	-Place pump properly on shaft ground
Insufficient flow	-Inlet sieve is clogged -Reduced pumping capacity by dirty and abrasive water	-Clean inlet sieve -Clean pump and replace worn-out parts
Pump switches of after short operating period	-Thermal cut-out stops pumps due to dirty water -Water too hot. Thermal-cut-out stops pump	-Remove mains plug. Clean pump and shaft -Make sure that a water temperature of max.35°C is not exceed

### Environmental Protection

Products bearing the symbol shown above means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.



**Please retain a copy of all instructions for future consultation.**



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