

# Instruction Manual

## Waste Water Pump

61962



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



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## Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it.

Keep these operation instructions in a safe place.

## Safety instructions

### **ATTENTION!**

- In and near standing water, garden ponds, and swimming ponds, the use of this device is only allowed with a fault current protection switch with a triggering nominal current up to 30 mA (according to VDE 0100 Article 702 and 738).
- The device is not suitable for use in swimming pools, paddling pools of any kind or waters in which people or animals may stay during operation. Operation of the device with people being in the danger area is not permitted. Ask an electrician, if necessary.
- The device is not intended for use by persons (including children) with impaired or limited physical, sensory and mental abilities, or lack of experience and/or real knowledge, unless they are supervised by a person responsible for their safety or follow the instructions made by this person on how to correctly use the device. Children should be supervised to ensure that they do not play with the device.

### **ATTENTION:**

- Perform a visual inspection of the device before every use. Do not use the device if the safety appliances are damaged or worn out. Never override safety regulations.
- Only use the device accordingly to the intended purpose stated in this manual.
- You are responsible for the safety of the working zone.
- If the cable or the plug is damaged due to external influences, the cable must not be repaired, but must be replaced with a new one. This work can only be carried out by an electrician.
- The voltage of 230 V AC indicated on the nameplate of the device must match the existent mains voltage.
- Never lift, carry, or fix the device by using the power cable.
- Make sure that the electrical plug connection is protected from flood and moisture.
- Before working on the device (maintaining, repairing, cleaning it), pull out the plug.
- Avoid exposing the device to direct jets of water.
- The user is responsible for complying with local safety and mounting regulations. If necessary, ask a qualified electrician.
- The user must take appropriate measures (e.g., installation of an alarm system, a reserve pump, etc.) to prevent damage caused by the flooding in case of device malfunctioning.
- In case of device failure, repairs can only be carried out by an electrician.
- The device must never run dry or be operated with its suction line fully closed.
- Do not use this device to operate swimming pools.
- This device must not be integrated into any kind of domestic water circuit meant for potable water.

### **WARNING:**

- **Read all safety precautions and instructions.** Failure to obey the safety precautions and instructions might cause an electric shock, a fire, and/or severe injuries.
- Keep all safety precautions and instructions for future use.



## Resistance

- The maximum temperature of the pumped liquid should not exceed +35 °C in continuous operation.
- The pump must not be used to pump flammable, gassing, or explosive liquids. The pump must not be used to pump other liquids, especially motor fuels, cleaning agent, or other chemical products.

## Electrical connection

- The electrical connection is made to an earthed socket 230 V ~ 50 Hz. Minimum fuse of 10 A.
- The motor is protected from overcharge and blockage with the help of the built-in thermal motor protection. When overheated, the pump motor is automatically switched off by the thermal protection; after cooling down, the pump automatically re-starts.

## Installation

The pump is installed the following way: either in a stationary position with a fixed pipeline or in a stationary position with a flexible pipeline.



### ATTENTION:

- When installing the pump, make sure not to freely suspend it with its pressure line or power cable. The submersible motor pump needs to be hung up by the appropriate handle or placed on the floor of the shaft. To ensure the impeccable functioning of the pump, the shaft floor needs to be kept free of mud and dirt of any kind.
- If the water level is too low, the mud on the shaft floor might quickly dry and hinder the pump from starting. It is therefore necessary to regularly check the pump (by performing tests before operation).
- The float switch is adjusted to allow the pump to start immediately.



### Note:

The pump shaft should have a minimum size of 40×40×50 cm, so that the floater can move freely.

## Mains connection

The submersible motor pump that you have purchased is already equipped with a protection plug. The pump is meant to be connected to a 220/230 V~50 Hz safety socket. Make sure that the socket is sufficiently protected (min. 6 A) and fully functional. Plug in the plug, the pump is operational.



### Note:

If the cable or the plug is damaged due to external influences, the cable must not be repaired, but must be replaced with a new one. This work can only be carried out by an electrician.

## Maintenance

1. Before cleaning the pump, disconnect it from the power supply to avoid electric shocks.
2. Only connect the device to an earthed socket to avoid electric shocks.
3. Check and fix the outer protection device before using.
4. While the pump is working, do not stay in the water and do not allow your animals to enter it.

## Working principle



The pumps are equipped with an open or closed rotor mounted to the end of the driving shaft. It is surrounded by a big circular chamber and a base plate with mechanical inner parts. The suction orifice of the base plate is in direct contact with the liquid to be pumped. The rotor transfers kinetic energy (motion energy) with a centrifugal movement to the circular chamber where parts of it are transformed into pressure energy. The special design of the rotor optimises the hydraulic performance without hindering the pump from transporting muddy liquids with solid matter and short fibres obstruction-free.

### Steps of use

1. Connect the hose to the water pump.
2. Put the pump into the water.
3. Connect the pump to the power supply.
4. Switch on the pump.

### Technical specifications

<b>Intake voltage (V)</b>	230
<b>Intake frequency (Hz)</b>	50
<b>Input current (A)</b>	2.8
<b>Power consumption (W)</b>	370
<b>Hose diameter (mm)</b>	25.4
<b>Connections (mm)</b>	26.16 (3/4")
<b>Hose diameter (mm)</b>	25.4
<b>Length of cable (m)</b>	8
<b>Hose length (m)</b>	20
<b>Max. immersion depth (m)</b>	5
<b>Particle size (mm)</b>	4
<b>Rotation speed (1/min)</b>	2850
<b>Power (kW)</b>	0.37 (0,2 hp)
<b>Max. flow rate (l/h)</b>	1500
<b>Suction up to (mm)</b>	approx. 70
<b>Lifting height (m)</b>	8–16
<b>Protection class</b>	IP X8
<b>Material</b>	Aluminium

## Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic devices (intended for use in the countries of the European Union and other European countries with a separate waste collection system for these devices).

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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