

Operation Manual

Waste Water Pump

61169–61173



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

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The most recent version of this manual in various languages can be found in our online shop via:

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Our postal address is:

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To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

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Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Safety instructions



Beware:

The use of this device is allowed on standing bodies of water, garden ponds or swimming ponds and their surrounding areas only with a fault current protection-switch with a triggering nominal current of up to 30 mA (according to VDE 0100 Article 702 and 738).

The device is not suitable for use in swimming pools, paddling pools, and other bodies of water in which during operation people or animals reside. The operation of the device during the stay of people and animals in the danger zone is not allowed. Ask your electrician.

The device is not intended for use by people (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 if they follow the instructions made by their supervisor. Children should be supervised to make sure that they do not play with the device.



Attention:

- Run 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.
- Use the device exclusively according to the intended purpose stated in the instructions for use.
- You are responsible for the safety of the working environment.
- If the cable or the plug is damaged because of external influences, the cable must not be repaired! It must be replaced with a new one. This work can be carried out only by an electrician.
- The voltage indicated on the type plate of the device of 230 V AC must correspond to the existent mains voltage.
- Never lift, carry, or suspend the device by using the power cable.
- Ensure the electrical connection is placed in a flood-proof area and is protected from moisture.
- Before working on the garden pump disconnect the appliance by taking the plug out of the socket.
- Avoid exposing the pump to a direct water jet.
- The user is responsible for the compliance with local safety/ installing regulations. If necessary, ask an electrician.
- Consequential damage arising from flooded rooms caused by dysfunctions of the appliance must be avoided by means of the appropriate measures (e.g., by installing an alarm system, a reserve pump).
- In case of malfunction the repair work can be carried out only by a qualified electrician.
- The pump must not run dry or have an entirely closed intake. The warranty is no longer valid if the damage is caused by dry running.
- The submersible pump must not be used for swimming pools.
- The pump cannot be employed for portable water circuits.



Warning: Carefully read all the safety guidelines and the instructions.

Non-compliance with the safety rules and regulations can lead to an electric shock, fire, and/or serious injury. Keep the instructions and the safety guidelines in a safe place in case you need them in the future.



Stability

- The max. temperature of the conveyed water should not exceed +35 °C in permanent operation. The transport of explosive, flammable or gassing fluids is not allowed.
- The waste water pump must not be used for conveying other fluids, certainly not for motor fuels, cleaning agents and other chemical products!

Electrical connection

- The electrical connection needs to be with a safety socket 230 V ~ 50 Hz. Fuse protection at least 10 A.
- The pump is turned on and off by means of the built-in on/off switch. The indicator lamp inside the switch lights up if the engine is started.
- The engine is protected against overloading or blocking by means of a built-in thermal motor protection. In case of overheating the pump is turned off automatically due to the overheat protection and after its cooling, the pump is automatically started.

Installation

The pump must be installed as follows: either in a fixed position with rigid fixed pipeline or in a fixed position with flexible pipeline.



Attention:

- When installing the pump make sure that the pump does not hang up on the pipeline or on its electric cable. The submersible pump must be hung on the handle provided for this purpose or be laid on a pump chamber ground. To ensure the proper function of the pump, the base of the pump chamber must always be mud-free or free of dirt.
- If the water level is low, the mud on the chamber ground can dry up quickly and impede the pump from running. For this reason, it is necessary that the submersible pump is regularly checked (by carrying out a start-up test).
- The float switch is set in such a way so that the pump can start up immediately.



Note:

The pump chamber should have at least the following dimensions: 40×40×50 cm; thus, the float switch can move freely.

Power supply

The submersible pump is provided with a safety plug. The pump is suitable for being connected to an earthed (grounded) socket with 230 V ~ 50 Hz. Make sure that the socket outlet is sufficiently fused (min. 6 A) and in perfect condition. Insert the pump plug in the socket outlet and the pump is ready for running.



Caution:

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

Application

This pump is used as cellar pump (basement pump). Installed into a chamber the pump is protected against flooding. You can also use the pump everywhere, where water must be pumped, for households, farming, gardening, sanitary sectors, and many other areas.



Commissioning

After having read the operating manual thoroughly and understood it, you can commission the pump:

- Check if the pump lies on the chamber ground.
- Check if the pressure line is installed properly.
- Make sure that the electrical connection amounts to 230 V ~ 50 Hz.
- Check if the socket outlet is in a proper condition.
- Make sure that neither moisture nor water reaches the power supply.
- The pump must not run dry.

Maintenance instructions

The submersible pump is a maintenance-free quality product and is subject to strict final inspections. For a long operating life, we recommend regular checks and maintenance.



Attention:

- Before every maintenance the pump must be switched off, disconnect the pump from the power supply.
- The pump should be rinsed with clean water after every use.
- By static installation we recommend checking the function of the float switch every 3 months.
- Remove the lint and the fibrous particles which have accumulated themselves in the pump housing with a water jet.
- Every 3 months remove the mud from the chamber ground and clean the chamber walls/surface.
- Clean the float switch with clear water.

Cleaning the paddle wheel

In case of strong dirt deposits in the pump chamber the lower part of the pump must be dismantled as follows:

1. Remove the fastening screws of the suction strainer.
2. Dismantle the suction strainer from the pump housing.
3. Clean the paddle wheel with clear water.
4. The assembly follows in reverse order.



Attention:

The pump cannot be propped up against the paddle wheel or placed on it!

Adjustment of the on/off switching point

Automatic Operation: The on/off switching point is infinitely variable by means of height adjustment of the float switch. For this purpose, the screw must be previously loosened. The switching differential can be universally adjusted by extending or shortening the floating cable (adjustment of length).

Before operation, please check the following points:

- The float switch must be installed in such a way that the height of the switching point on and off can be easily reached, requiring little expenditure of effort. Check this by placing the pump into a container with water, then carefully lift the float switch with your hand and then lower it again. In doing so you can see if the pump switches on or off.
- Please make sure that the distance between the float switch head and the cable holder is not too short. By insufficient distance the proper function is not guaranteed.
- Please ensure when adjusting the float switch that it does not touch the bottom before the pump



is turned off. **Attention! Risk of dry running!**

Troubleshooting

Dysfunction	Possible causes	Solution
The pump does not start.	No voltage supply	Check voltage supply.
	Float switch does not function.	Put float switch in a higher position
The pump does not pump.	Suction strainer is blocked.	Clean suction strainer with jet of water.
	Pressure hose is kinked.	Remove kink.
The pump does not turn off.	The float switch cannot sink.	Position pump correctly on chamber ground.
Insufficient pump flow rate.	Suction strainer is blocked.	Clean suction strainer.
	Pump capacity is reduced due to dirty and sanding water.	Clean pump and replace worn parts.
The pump switches off after a short running time.	Motor protection shuts down the pump because the water is too dirty.	Disconnect pump and clean it together with pump chamber
	Water temperature is too high, Motor protection shuts down.	Make sure that water temperature does not exceed 35 °C.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiTec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiTec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

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

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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