

## Operation Manual

### Pond Pump Series HJ and CQP



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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Although WiITec Wildanger Technik GmbH has made every effort to make sure that this user manual is complete, accurate and updated, errors cannot always be avoided. In the event of problems with this user manual please complete and send this form back to us.

FAX-notification (+++49 2403 55592-15),

from: \_\_\_\_\_

Name: \_\_\_\_\_

Firm: \_\_\_\_\_

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I would like to report the following mistakes:

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#### Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury by means of fire or electric shock 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.**

Always use a grounded power connection with the appropriate mains voltage. You can find the corresponding mains voltage on the type plate. If you have any doubts about the connection being grounded, have it checked by a qualified professional. Never use a faulty electric cable.

Do not inspect the electrical part of the pressure pond filter in a wet or damp environment or when you are wet yourself and protect it from direct sunlight. Install this device in a safe location so that nobody can step on the cable, fall over or damage it. Disconnect the power plug before cleaning it and use only a damp cloth for cleaning. Avoid using cleaning agents and make sure that no liquid enters the electrical part of the pump.

The electric part of the device contains no parts that can be inspected or serviced by the user. Leave the maintenance, adjustment and repair to qualified technical personnel. In case of unauthorised intervention the 2-year warranty is no longer valid! Keep these operation instructions safe.

## Safety guideline

### Submersible pumps

HJ, CQP and JP Series	HJ-111, HJ-211, HJ-311, HJ-531, HJ-731, HJ-931, HJ-542, HJ-742, HJ-942, HJ-1142, HJ-1542, HJ-1842, HJ-943, HJ-1143, HJ-1543, HJ-1843, HJ-703, HJ-903, HJ-1103, HJ-1503 CQP-4500P, HJ-311B, HJ-611B, HJ-3500, HJ-5000, JP-022F, JP-023F, JP-024F, JP-025F, JP-092, JP-093, JP-094, HQJ-700I, HQJ-900I, HBL-302, HBL-303, HJ-721, HJ-921, HJ-1121, HJ-751, HJ-951, HJ-1151, JP-032, JP-033, JP-042, JP-043, JP-044, HJ-722, HJ-922, HJ-1122, HQJ-700, HQJ-900  And other models
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## Safety guideline



The use of this device is allowed on standing bodies of water, garden ponds' water or swimming ponds and their surrounding areas only with fault current protection-switch with a triggering nominal current up to 30mA (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 linger. 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 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 you follow the instructions made by this person how to use the device correctly.

Children should be supervised to make sure that they do not play with the device.



- 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 due to external influences the cable must not be repaired! Because the stator with the cable is encapsulated, a replacement is not possible and the pump must be scrapped.
- The voltage indicated on the type plate of the device of 230 Volt alternating voltage has to correspond to the existent mains voltage.
- Never lift, carry or fixate the device by using the power cable.
- Make sure that the electrical plug connection is placed in a flood-proof area and is protected from moisture.



- Before working on the pond pump disconnect the appliance by taking the plug out of the socket.
- The user is responsible for the compliance with location specific safety and installing regulations. (Ask an electrician).
- Consequential damage arising from flooded rooms caused by dysfunctions of the appliance must be avoided by means of the appropriate measures. (installing an alarm system, reserve pump).
- In case of malfunction the repair work can be carried out only by a qualified electrician or the WilTec-service.
- The appliance must not run dry or with a completely closed intake port. The manufacturer's guarantee is no longer valid if the damage is caused by dry running.
- The appliance must not be used for swimming pools.
- The device cannot be employed for potable water circuits.

**WARNING:**

Read carefully 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 liquid should not exceed +35°C in permanent operation. The pump must not be subjected to conveying flammable, gas-emitting or explosive liquids. It must not be used for pumping engine fuels, cleaning agents and other chemical products be avoided.

**Electrical connection**

- The electrical connection takes place via an electric safety socket 230 V ~ 50 Hz. Fuse protection at least 10 Amperes.
- The appliance is turned on/off by means of the ON-/OFF-switch. The indicator light of the switch glows, if the engine is started.
- The engine is protected against overloading or blocking by means of a built-in 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.

### Power connection

The pond pump is equipped with a safety plug. The device is designed for connection to an isolated ground receptacle with 230 V~50 Hz. Make sure that the socket outlet is sufficiently fused (at least 6A) and safe. Insert the plug in the socket outlet and the pond pump is ready for use.



*Note.*

### Installation

The pump is to be installed as follows: in a fixed position with rigid pipe or flexible hose.

### Utilisation as submersed pump

Immerse the pump into the pond water, so that it is filled with water.

To avoid the premature clogging of the filter, position the pump above the pond sludge.

Install the supplied filter sponge to keep the pump inlet free.

The pump is started by plugging in the mains plug.

### Utilisation as not submersed pump

Place the pump deeper than the water surface near the pond, so that the water can flow to the pump.

The pump is not self-priming.

Take off the filter basket; connect the pump inlet and the pump outlet with hoses.

Before running the pump the inlet hose has to be filled with water.

To avoid clogging the pump a suction filter should be attached to the suction hose.

### Commissioning

After reading the installation instructions carefully, you can start the new pump if you consider the following aspects:

- | **Check if the pressure pipes have been installed properly.**
- | Make sure that the electrical connection is 230V~50Hz.
- | Check if the socket is in proper working order.
- | Make sure that moisture or water never reaches the mains connection.
- | Avoid that the pump operates dry.

### Maintenance instructions!

The pond pump is a maintenance free quality product that was subjected to rigorous final inspections.

For a long working life and continuous operation we recommend regular checking and proper care.

**Maintenance and Cleaning                      Disconnect the appliance**

#### Overload protection:

In case the pump has a built-in overheating protection: The pump has to cool down after it has been switched off before it starts running again. In case it does not run again by itself, the following checks shall be conducted:

After being stopped due to the overheat protection could the pump cool down sufficiently?

- |                                    |   |                                |
|------------------------------------|---|--------------------------------|
| Is the water supply sufficient?    | > | Improve the water supply!      |
| Is the filter clogged?             | > | If necessary rinse the filter! |
| Is there dirt in the pump housing? | > | Perform cleaning!              |
| Is the hose or the pipe clogged?   | > | Clear the hose/pipe!           |
| Is the hose broken, too long?      | > | Check, replace, shorten!       |

## Disposal regulations

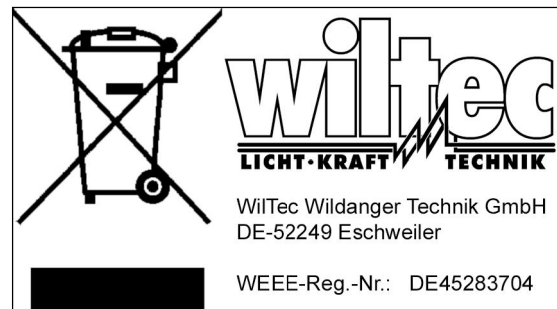
EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec 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 WiITec 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.



Materials' 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.

Address:  
WiITec Wildanger Technik GmbH  
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D-52249 Eschweiler

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