

Operation Manual

Pond Pumps HJ, JP, and CQP Series

50150, 50160, 50166, 50221–50232, 50244, 50246, 50247,
50257–50261, 50266–50269, 50384, 50926, 51666, 51667



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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service@wiltec.info

or use our contact form:

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

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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.

CAUTION:

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 bodies of water 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. It 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 type plate 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 electric plug connections are protected from flood and humidity.
- Before working on the device (maintaining, repairing, cleaning it), pull out the plug.
- The user is responsible for complying with local safety and mounting regulations. Ask an electrician, if necessary.
- 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 transport of aggressive fluids (acids, bases, etc.) as well as of abrasive substances (for example sand) must be avoided.

Electrical connection

- The electrical connection is made to an earthed socket 230 V ~ 50 Hz. Fuse min. 6 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.

Mains connection

The pond 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: **Installation**

Place the pump beneath the water surface, making sure that no water can penetrate the socket.

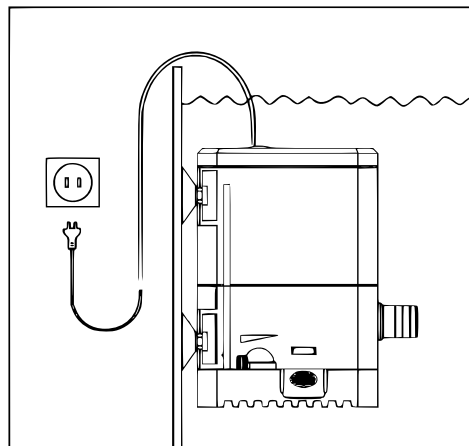


Figure 1

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.

Use as submerged pump (see Fig. 1)

- Submerge the pump completely into the pond to allow it to fill with water.
- To protect the pump from obstruction, place it above the pond mud.
- In case a filter sponge is included, install it to keep the intake of the pump free.
- The pump is operated by plugging the plug in the socket.



Use as non-submerged pump

- Place the pump on a level inferior to the water surface, next to the pond, to allow the water to flow towards the pump. The pump is not self-priming.
- Remove the filter basket, connect the intake and outlet of the pump with the help of hoses.
- Before starting, the intake hose must be filled with water.
- To avoid obstructions, a suction filter should be installed to the suction hose.

Initial operation

After thoroughly reading the instructions for installation and use, you can operate the pump; obey the following hints:

1. Check if the pressure line is properly attached.
2. Check if the electric source has 230 V~50 Hz.
3. Check if the socket is in a good condition.
4. Make sure that neither humidity nor water may get into contact with the mains connection.
5. Avoid any running dry of the pump.
6. Never operate the pump without a filter basket; a filter basket protects the pump against any coarse dirt that would obstruct the pump.

Maintenance hints!

The pond motor pump is a practice-proven quality product subjected to rigorous final inspections. However, for a long working life and continuous operation, we recommend regular checking and proper care. To ensure proper operation of the pump, it is necessary that you perform regular cleaning. We recommend that the pump be cleaned on a weekly basis.

Overload protection

The pump has an integrated overheat protection. After the pump has been stopped by the overheat control device, it must cool down for a while before being able to run again. In case it does not run again by itself, the following checks shall be made:

Could the pump cool down sufficiently after having been stopped by the overheat protection?

Is the water supply sufficient?	>	Improve the water supply!
Is the filter contaminated?	>	Clean it (see below)!
Is the hose or the pipe blocked?	>	Clean them!
Is the hose broken, too long?	>	Check, replace, shorten!

Maintaining and cleaning

Before any maintenance or cleaning job, pull out the plug!

Wintering

1. Take the pump out of the water and disconnect it from the power supply.
2. Clean the pump as described in the instructions.
3. Check the pump for damage such as cracks in the housing.
4. Please store the pump under frost-free condition and, if possible, in a container with water.



Technical specifications

Item number	Model	Power supply	Power consumption (W)	Lifting height (m)	Max. flow rate (l/h)	Size (mm)
50150	CQP-4500P	230 V / 50 Hz	75	3.2	4500	255 × 155 × 155
50160	HJ-5000		65	3.0	4000	195 × 145 × 150
50166						
50221	HJ-111		2	0.46	200	37 × 37 × 30
50222	HJ-211		2	0.46	200	37 × 36 × 30
50223	HJ-311		2	0.6	300	44 × 48 × 34
50224	HJ-531		5	0.6	350	60 × 42 × 60
50225	HJ-731		10	0.9	550	72 × 66 × 67
50226	HJ-931		16	1.3	800	87 × 81 × 75
50227	HJ-542		5	0.8	400	130 × 75 × 75 ¹
50228	HJ-742		8	1.0	600	140 × 80 × 80 ¹
50229	HJ-942		15	1.3	800	15 × 10 × 8
50230	HJ-1142		22	1.6	1000	123 × 82 × 85
50231	HJ-1542		28	2.0	1400	170 × 125 × 110 ¹
50232	HJ-1842		40	2.5	1800	180 × 130 × 115 ¹
50244	HJ-943		16	1.3	800	110 × 75 × 75
50246	HJ-1543		28	2.0	1400	135 × 100 × 95
50247	HJ-1843		40	2.5	1800	
50257	JP-092		3	0.5	250	158 × 82 × 180
50258	JP-093		5	0.8	450	170 × 62 × 195
50259	JP-094		7	1.2	650	223 × 105 × 225
50260	HJ-311B		2	0.6	300	
50261	HJ-611B		6	0.9	450	43 × 53 × 160
50266	JP-022F		8	0.8	600	
50267	JP-023F		16	1.3	1000	
50268	JP-024F		22	1.6	1200	
50269	JP-025F		35	2.5	1600	
50384	HJ-3500		50	2.5	3500	
50926	HJ		16	1.3	800	110 × 75 × 75
51666	JP-032		5	0.6	350	52 × 43 × 50
51667	JP-033	8	1.0	600	56 × 48 × 55	

1 = package size

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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