

Operation Manual

Aquarium Hang-on Filter HBL Series

50499, 50500



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.



The information contained in this document may alter at any time without previous notice. It is prohibited to copy or spread any parts of this document in any way without prior written allowance. All rights reserved.

The WilTec Wildanger Technik GmbH cannot be held accountable for any possible mistakes in this operating manual, nor in the diagrams and figures shown.

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.

Send an e-mail to:

service@wiltec.info

or use our contact form:

<https://www.wiltec.de/contacts/>

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

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler
Germany

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.

Returns Department
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15



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.

CAUTION:

The use of the device is only permitted with a residual current circuit breaker with a tripping current of up to 30 mA (according to VDE 0100 parts 702 and 738).

This device is not intended to be used by persons (including children) with limited physical, sensory, or mental capabilities or a lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have obtained instructions on how to 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 each use. Do not use the device if safety devices are damaged or worn. Never override safety devices.
- Only use the device in accordance with the intended use specified in these operating instructions.
- You are responsible for the safety in the work area.
- If the cable or the plug is damaged due to external influences, the cable must not be repaired, but must be exchanged for a new one. This work should only be carried out by a qualified electrician.
- The voltage of 230 V AC specified on the rating plate of the device must correspond to the existing mains voltage.
- Never lift, transport or fix the device by the power cord.
- Make sure that the electrical plug connections are protected from flood or moisture.
- Pull the power plug before working on the device.
- Avoid exposing the device to direct water jets or rain.
- The operator is responsible for compliance with location-specific safety and installation regulations. If necessary, ask a qualified electrician.
- If the device fails, repairs should only be carried out by a qualified electrician.
- The device must never run dry or be operated with the suction line fully closed.
- The device must not be installed in the drinking water circuit.
- We decline any liability for the consequences of improper installation, commissioning, or improper electrical installations.

WARNING:

- Read all safety warnings and instructions. Failure to follow the safety instructions and instructions can result in electric shock, fire, and/or serious injury.
- Keep all safety notices and instructions for future use.

Resistance

- The maximal temperature of the pumped liquid should not exceed +35 °C in continuous operation.
- The pumping of aggressive liquids (acids, alkalis, silo seepage, etc.) as well as liquids with abrasive substances (e.g., sand) must be avoided.



Electrical connection

- The electrical connection is made to an earthed socket with 230 V ~ 50 Hz. Fusing at least 6 A.
- The motor is protected against overloading or blocking by the built-in thermal motor protection. If the device is overheating, the motor overheating protection automatically switches off the pump; after it has cooled down, the pump switches on again automatically.



Note:

Assembly and installation

- The container must be pre-filled before first use to avoid damages. The built-in pump is not self-priming. Any damage caused by the pump running dry is not covered by warranty.
- Before assembly, clean the individual parts with clean water; make sure that water flowing from the filter plate is clean.
- During assembly, make sure that the dirt suction nozzle and water level inside the device are on the same level and that the water intake or the pump are submerged in the water.
- Before switching on the energy supply, mount and insert all intake pieces and filter material, then fill the water container until water flows out.
- If a filter is used on the water container, this does not need to be filled with water; in this case, however, the pump must be submerged completely before switching on the energy supply.
- If water flows out of the cartridge after a certain period of use, the cartridge must be cleaned or replaced.

Operation

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

1. Check if the pressure pipes have been installed properly.
2. Make sure that the electrical connection is 230 V ~ 50 Hz.
3. Check if the socket is in proper working order.
4. Make sure that moisture or water never reaches the mains connection.
5. Avoid that the pump runs dry.
6. The pump must not be used without a filter basket; the filter basket protects the pump from coarse dirt that could lead to constipation of the pump.

Maintenance and cleaning



Attention: Before any maintenance or cleaning, pull out the plug!

- Regularly clean the filter media. To do this, do not use solvents or caustics.
- It is advisable to replace the filter media each 30–45 days. With more fish living in the water, the filter media should be replaced more often.
- Note: To clean the individual parts of the hang-on filter, never use soap nor detergent. Neither coarse nor hard objects must be used to clean them.
- If not using the device for a prolonged period, operate it with clean water, dry the individual parts, and stock them properly and safely.
- With the temperature falling below 0 °C, the device must be unplugged and taken out of the water to prevent it from being damaged by frost.



Technical specifications

Item №	Model	Energy supply	Power consumption (W)	Pumping head (m)	Max. flow rate (l/h)	Dimensions (cm)
50499	HBL-302	230 V / 50 Hz	3	0.35	350	41 × 144 × 114
50500	HBL-303			0.25		85 × 180 × 145

Troubleshooting

Problem	Possible cause	Possible solution
No water flow	No energy supply	Activate energy supply.
	Water intake above water surface	Refill water into the container.

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.

Address:
 WilTec Wildanger Technik GmbH
 Königsbenden 12 / 28
 52249 Eschweiler Germany

Important Note:

Reproduction and any commercial use (of parts) of this operating manual, requires a written permission of WilTec Wildanger Technik GmbH.