

Operating Manual

Hang-on Filter HBL-801, HBL-802, HBL-803

51646-51648



Illustration similar, may vary depending on model

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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Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler
Germany

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Retourenabteilung
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler
Germany

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

Tel: +49 2403 55592-0

Fax: (+49 2403 55592-15)



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

WARNING:

The use of this device is only permitted if a residual-current circuit breaker with a nominal trip current of no more than 30 mA is installed (according to VDE 0100 part 702 and 738).

This device is not intended to be used by persons (including children) with limited physical, sensory, or mental abilities, deficient experience and/or deficient knowledge, unless they are supervised or instructed on the correct use by a person, responsible for their safety.

Children must be supervised to ensure that they do not play with the device.

CAUTION:

- Undertake a visual inspection before every operation. Do not use the device if the safety appliances are damaged or worn out. Never disable safety appliances.
- Only use this device for the intended purpose specified in this operating manual.
- You are responsible for safety in the work area.
- A damaged cord or plug must not be repaired, but replaced. The replacement may only be carried out by a qualified electrician.
- The existing mains voltage must correspond to the voltage specified on the type plate of the device (230 V AC).
- Never lift, carry, or fix the device by using its power cord.
- Make sure to place the electrical plug connections in a flood-proof, moisture-proof area.
- Disconnect the power plug from the mains before every operation.
- Do not expose the device to direct water jets or rain.
- You are responsible for the compliance with local safety and installation regulations. In case of doubt, consult a qualified electrician.
- In case of malfunction, any repair work may only be carried out by a qualified electrician.
- Read all safety information and instructions. Non-compliance with these instructions can lead to electric shocks, fire, and/or severe injuries.
- Keep this operation instructions for future use.

Parts list



Nº	Name	Nº	Name
1	Inlet pipe	10	Spray bar
2	Inlet	11	Outlet
3	Flow controller	12	Outlet pipe
4	Skimmer with inlet basket	13	Lid
5	Inlet basket	14	Pump
6	Shock-absorbing spacer	15	Filter cover
7	Connection pipe	16	Filter foam
8	Mounting hook	17	Filter basket
9	Outlet nozzle	18	Canister

Technical specifications

Model	No	Power (W)	Max. flow rate (l/h)	Aquarium volume (l)
HBL-801	51646	6	500	60
HBL-802	51647			100
HBL-803	51648			150

Installation

1. Open the two clips (1).

2. The filter includes one filter sponge. You can add further filter media to the filter baskets according to your requirements. Make sure that all filter baskets are mounted correctly.

3. Make sure that the lid with the pump is connected correctly to the filter cover (2).

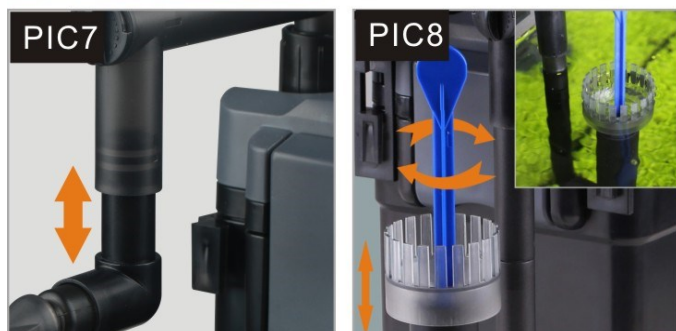
4. Select the suitable pipe and assemble the inlet pipe (3). Connect it to the inlet on top of the lid (IN).

5. Select the suitable pipe and assemble the outlet pipe (4). Connect it to the outlet on top of the lid (OUT).

6. Attach the shock-absorbing spacer to the canister. You can now adjust the mounting hooks to your aquarium (5).

7. Make sure that the flow controller switch is turned to OPEN (6) before you switch the power on. After 1 min of operation, you can adjust flow rate and pipe length according to your requirements (7).

8. Turn the elongated screw in the middle to adjust the flow rate (turn clockwise to decrease the flow rate; turn counter-clockwise to increase the flow rate) (8).





Caution

- Always disconnect the filter from the electricity network before maintenance.
- Regularly clean this product to assure sound operation.
- Fill the canister with water before you switch the power on.
- The water level in the aquarium must have a certain height for the filter to operate. Make sure that the gap between the water level and the top of the aquarium does not exceed 4 cm (1,55 in).

Troubleshooting

Problem	Source	Solution
Pump does not operate	No power	Switch power on.
	Blocked impeller	Clean impeller.
	Pump runs dry	Fill canister with water.
Pump too noisy	Pump runs dry	Fill canister with water.
	Blocked impeller or worn-out pump shaft	Clean impeller or replace pump shaft.
Marginal outlet flow	Very dirty filter foam	Clean filter foam.
	Gap between water level and top of the aquarium exceeds 4 cm (1,55 in).	Add water to make sure that the gap between water level and top of the aquarium does not exceed 4 cm (1,55 in).

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

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