



INSTRUCTION MANUAL

AquaHeat - Heater



www.juwel-aquarium.com

Introduction

Thank you for choosing a JUWEL Aquarium product.

Our products represent over 50 years experience in the manufacturing of aquariums and their accessories applying most modern production techniques bringing together the JUWEL Aquarium system, which is both easy to use and simple to maintain.

Please read this instruction manual carefully and completely to make sure you have received all components before setting up the aquarium. Please observe the safety instructions and maintenance guidelines given in this manual.

This instruction manual has been carefully prepared to provide you with accurate and complete information. All efforts have been made to ensure that the information given is correct. However, we cannot accept responsibility for printing or other errors. Technical details are always approximate and are not warranted characteristics and may be subject to change without notice.



SAFETY INSTRUCTIONS:

- This appliance can be used by children aged from 3 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The power plugs of the electrical devices must not become moist. Connect the power plugs to the power supply at such a height that the connection cable forms a loop which would enable the water to drip down.
- At all times, only operate the electrical devices for your aquarium (lighting, heater, pump etc.) using an earth leakage circuit breaker (EL circuit breaker) with a maximum tripping current of 30 mA. If the socket that you are using in your home installation is not safeguarded with such a circuit breaker, please use a commercially available power strip with an integrated earth leakage circuit breaker.
- The electrical devices may only be operated in rooms.
- Pull the power plug of all devices operated in water before coming into contact with the water.



This product fulfils the guidelines issued by the European Union (EU) and is therefore entitled to carry the CE mark.

www.juwel-aquarium.de/en/declaration-of-conformity/

JUWEL AquaHeat - Installing the heater in the JUWEL filter system

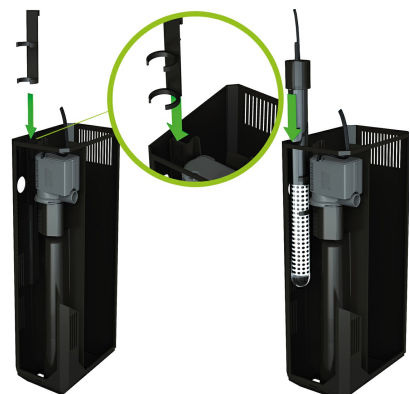
The JUWEL aquarium heater is supplied with the heater holder (fig. 1) which you will need for the installation.

Please perform the following steps for all JUWEL Aquarium filter systems: (You may need to start by removing an installed separation wall holder.)

1. Install the heater holder.
2. Attach the heater to the filter housing on the inside of the filter and/or initially insert the heater holder into the guide rail of the separation wall.

The heater is properly positioned if the heater holder rests on the upper edge of the housing and/or the separation wall.

The heater is now operational.



Installation of the heater without the JUWEL Filter System

In order to allow the installation of the JUWEL Aquarium Automatic Heater we have provided suction cups together with the heater.

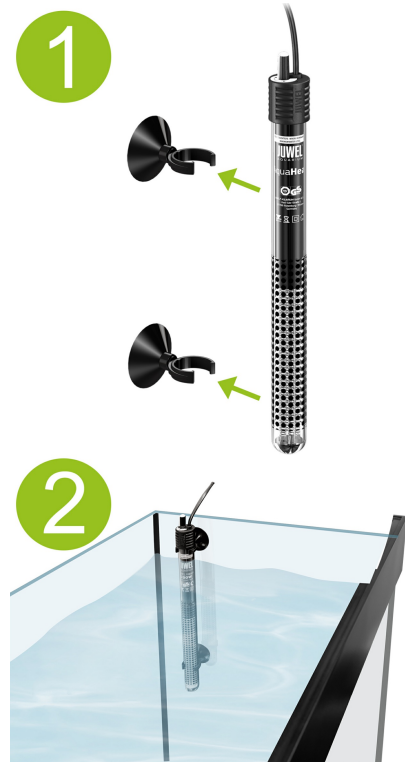
First of all please attach the suction cups to the heater tube.

Thereafter, fasten the heater to the glass pane of your aquarium and check that it is safely positioned.

You achieve the best result if you remove some of the water from the aquarium beforehand and clean that part of the glass pane to which you wish to fasten the heater. Please ensure that the heater is positioned in such a way that the heater head is above the water level.

Having installed the heater in your aquarium you may refill it again and connect the heater to the power supply.

Please observe that the heater may be damaged irreversibly, if it is operating without or in an insufficient level of water.



Recommendation:

The JUWEL automatic heater warms the water of your aquarium up to 28°C depending on a normal room temperature of 21°C. If you keep your aquarium in rooms below this or your fish need a higher temperature, we recommend to purchase a second heater.

Safety instructions:

- Only connect the heater once the aquarium is filled with water at least to the minimum water level of the heater.
- Maximum operating depth 80 cm.
- Never use the heater outside the aquarium.
- Operate the heater indoors only.

JUWEL AquaHeat - Operation and maintenance of the heater

The JUWEL Aquarium adjustable heater is an essential component of the JUWEL filter

system. It's positioning within the filter housing and consequently in the water stream facilitates even warming of the water in the aquarium, the Juwel AquaHeat is also particularly energy-saving.

You control the temperature of the water via the adjusting knob in the heater head. You may specify the temperature the heater is supposed to heat the water to in accordance with your individual requirements. The centre position between "+" and "-" corresponds to a water temperature of approximately 23 – 26°C or 74 – 78°F depending on the ambient temperature.

Please note that the JUWEL AquaHeat adjustable heater is designed to heat up to 8°C above room temperature. Please also note that depending on the starting temperature of the water in the aquarium, it may take approx. 12 hours and longer until the heater has heated the water to the desired temperature. After that, the heater will automatically keep the water at the desired temperature and switch on or off, accordingly. The red glowing lamp indicates that the heater is working.

We also recommend that you to check the temperature of the water by means of a thermometer at regular intervals. The heater does not require further care or maintenance.





SAFETY INSTRUCTIONS:

- Always unplug the heater and allow it to cool before removing it from the filter.
- Never attempt to open or repair the heater. Any signs of damage or malfunction and the heater should be replaced with an original JUWEL Aquarium heater.
- Never repair the electrical cord or plug. In case of damage replace the complete heater.
- Once removed never place on a flammable surface.



JUWEL DigitalThermometer 3.0

With the digital thermometer 3.0, you can check the water temperature in your aquarium conveniently and precisely. The thermometer is integrated perfectly into the JUWEL design and the large display allows for comfortable temperature readings.

The JUWEL DigitalThermometer 3.0 is available as an original accessory (Article Number 85703) for JUWEL aquariums.



Proper disposal (electrical waste)

The labelling on the product or on the accompanying literature declares that it must not be disposed of, at the end of its service life, together with household rubbish. Please dispose of this equipment separately from other waste, to protect the environment or public health from damage by unregulated waste disposal.

Recycle the equipment and support the sustained recycling of material resources.

Private users should contact the dealer who sold them the product or the responsible authorities, for a demonstration on how to recycle the equipment in an environmentally friendly way.

Guarantee

We guarantee the performance of the JUWEL-Aquarium product or its accessories to the purchaser for a period of 24 months from the date of purchase according to the following conditions:

§ 1 Extent of the guarantee

(1) This guarantee extends to the JUWEL-Aquarium product and its components excluding items subject to wear and tear such as T5 and T8 light tubes and filter media. It is limited to the product as such and does not cover damage to other property and/or individuals. In addition, the provisions of the product liability law apply. These provisions are not limited by the aforementioned arrangement.

(2) It is the prerogative of JUWEL-Aquarium to decide whether the guarantee is performed by means of repair or replacement. If neither repair nor replacement can ensure the performance of the JUWEL-Aquarium product the purchaser is entitled to demand a reduction in price or to return the product against repayment of the purchase price.

§ 2 Guarantee period and settlement procedure

(1) The guarantee period begins on the day of the purchase of the JUWEL Aquarium product from the retailer. Claims under this guarantee will not be honoured, if

- (a) the damage is caused as a result of improper use or maintenance or nonobservance of the instructions given in this manual
- (b) the product or its components have been maintained by persons or companies not authorised by the manufacturer to do so
- (c) the product or its components have been damaged by mechanical means of whatsoever kind, in particular broken glass

(2) All claims under this guarantee have to be notified to the retailer, from whom the aquarium has been purchased without delay, however, not longer than 2 weeks from the day of first occurrence of defects. Rights under the consumer protection laws will remain unaffected.

(3) Guarantee claims will only be accepted if the validity of the claim is supported by evidence of purchase of the JUWEL-Aquarium product. This declaration of guarantee is a translation only. In case of doubts the original German language version prevails.

We reserve the right to make technical alterations.

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