

Instruction Manual

Heater



Introduction

Thank you for choosing a JUWEL Aquarium product.

Our products represent over 40 years experience in the manufacturing of aquariums and their accessories applying the most modern production techniques in bringing together the JUWEL Aquarium system, which is both easy to use and simple to maintain.



Safety instructions:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.



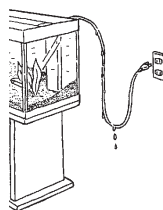
Always unplug all immersed electrical equipment from mains before placing your hands into the water.



Operation with the RC circuit breaker only, max. 30mA.



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.



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.

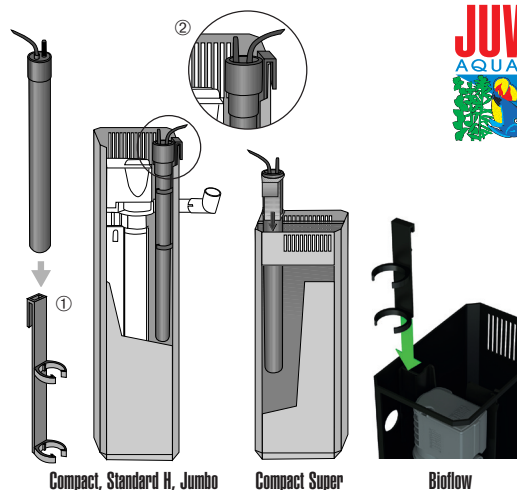
Please perform the following steps for all JUWEL Aquarium filter systems:

(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.

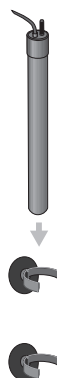
First of all please attach the suction cups to the heater tube.

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.

Never use the heater outside the aquarium.

Operate the heater indoors only.

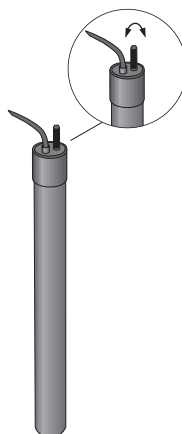
Operation of the heater

The JUWEL aquarium heater is an essential component of the JUWEL filter system. Its positioning within the filter housing and consequently in the water stream facilitates even warming of the water in the aquarium.

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 degrees Celsius or 74-78 degrees Fahrenheit.

Please 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. You recognise the operation of the heater via the red glow light.

We also recommend 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.



Recommendation

JUWEL Digital Thermometer

To monitor the temperature we recommend the JUWEL Digital Thermometer (Part No. 85701). Available from your JUWEL Aquarium retailer.



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.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.



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 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 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 non-observance 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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