



# Instruction Manual

Filter System Bioflow ONE



[www.juwel-aquarium.com](http://www.juwel-aquarium.com)

## 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 can be used by children aged from 8 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.



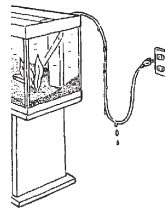
Always unplug all immersed electrical equipment from mains before placing your hands into the water.



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.



## The JUWEL Bioflow ONE filter

The JUWEL filter Bioflow ONE is a highly effective biological filter system with components that are harmonized among each other in an ideal manner.

Installing the filter in the aquarium makes hose connections unnecessary and prevents leaks. The pump output is not negatively affected by hose couplings, intake tubes etc.

The pump capacity is dimensioned in such a manner that the biological filtering is ensured by a sufficient flow through the filter material in an ideal manner.

The construction of the filter system enables you to quickly access the individual pump and filter medium components, facilitating comfortable operation while cleaning and maintaining the filter system.

In addition to this, the JUWEL Bioflow ONE filter system offers the option of integrating the heater (optionally available).



## Commissioning of the JUWEL Bioflow ONE filter

You should make the filter ready for use before setting up the aquarium, but do not yet connect the electrical components to the power supply.

The JUWEL Bioflow ONE filter consists of:

- Pump
- Filter housing with slot for the heater (optionally available)
- 2 blue filter sponges - bioPlus fine ONE
- 4 suction cups
- O2 diffuser

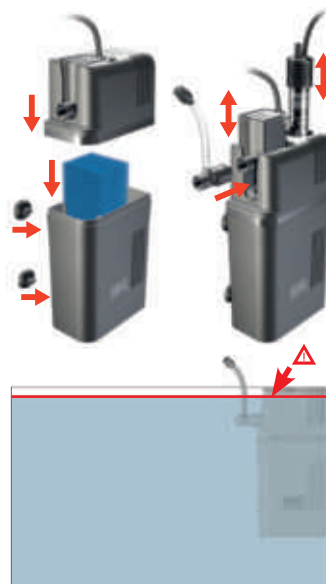
Prior to initial use of the filter, open the filter housing and remove the filter sponges, in order to rinse them out under running water.

Reinsert the filter sponges into the filter housing and close it.

Now, insert the suction cups into the designated openings of the filter housing and attach the filter in the rear right corner of the aquarium.

Now, attach the O2 diffuser (with assembled air hose and controller) onto the pump outlet of the pump.

The JUWEL Bioflow ONE filter is now operational.



**The JUWEL Aquarium Filter System is a biological filter system. For it to work effectively, bacteria cultures will need to grow inside the blue sponges. This process can take up 6-8 weeks for the filter to fully mature. Consequently we recommend to decorate and plant the aquarium and add just a few (3-5) hardy fish in order to help the maturation process. Please test the water on a weekly basis to monitor the water conditions and once the water is safe you can begin to add more fish.**

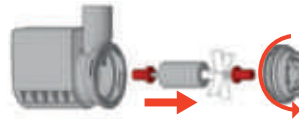
## Servicing and maintenance of the JUWEL Bioflow ONE filter

BioPlus fine ONE - Replace one of the blue filter sponges at an interval of approx. 3 months.



## Maintenance of the JUWEL Eccoflow 300 pump

The JUWEL Eccoflow pump should be checked and cleaned at regular intervals (at least once a month).



Please proceed as follows to that end:

1. Disconnect all electrical devices that are operated inside the water from the power grid.
2. Remove the O2 diffuser from the pump outlet.
3. Remove the pump from the filter.
4. Disconnect the adapter (C) from the motor (A), by turning it anti-clockwise.
5. Remove the impeller (B) and the axle with their rubber bearings from the motor.
6. Thoroughly clean all components.

It is necessary to remove the impeller from the chamber and remove deposits and dirt from the chamber itself as well as the impeller. Using the cleaning brush included with the pump for this purpose. Otherwise the functionality of the pump will be impaired. Also check the impeller for damage and possible signs of wear of the magnet.

7. After that, please reinstall the pump in reverse order in the filter. Before you reconnect the devices that are operated in the water to the power supply.

## Recommendation:

We recommend that you replace the parts subjected to wear and tear, e.g. the impeller, axle and the rubber axle holders, at intervals of approx. 12 months in order to ensure the optimum function and operating quietness of the pump. Inquire at your specialist retailer for assistance.



### Safety instructions:

Never operate the power head out of water.

Always unplug the power head from the power supply before removing it from the filter.

The power head is intended for indoor use and for use in fluids up to 35°C.

Never repair the electrical cord or plug. In case of damage replace the complete power head.

## Recommendation

### JUWEL Digital Thermometer 2.0

To monitor the temperature we recommend the JUWEL Digital Thermometer (Part No. 85702). Available from your JUWEL Aquarium retailer.





### **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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