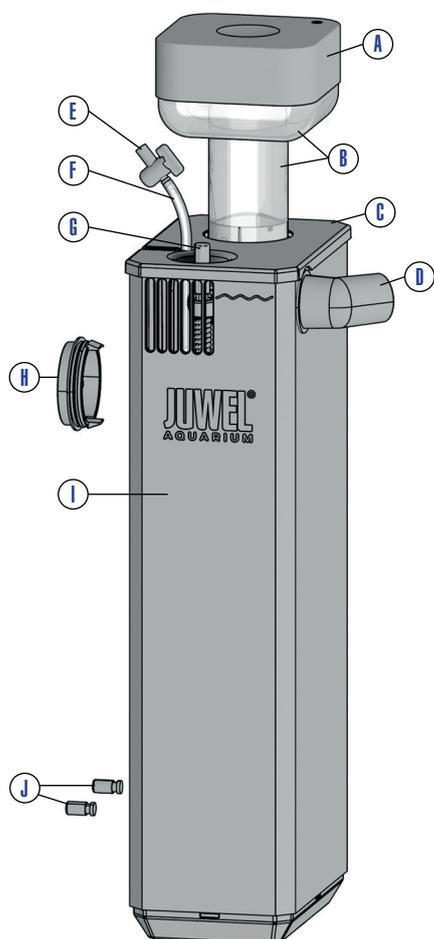


Instruction Manual

SeaSkim



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.

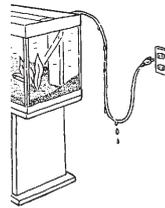
Safety instructions:

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.



- A) Foam collector unit cover
- B) Foam collector unit
- C) SeaSkim housing lid
- D) Outlet nozzle
- E) Air controller
- F) Air hose
- G) Air pressure controller
- H) Mount
- I) SeaSkim housing
- J) Distance pieces

JUWEL SeaSkim

The JUWEL SeaSkim combines the product benefits of an internal skimmer characterised by the fact that no water exits the aquarium with a compact shape and high skimming capacity.

With output of 1500 l/h, the integrated pump air intake of 150 l/h and consequently ensures effective protein skimming for seawater aquariums with a volume of 100 - 500 litres. However, the JUWEL SeaSkim does not serve as filter system replacement in the seawater aquarium.

The skimming utilises the fact that many so-called surface-active substances accumulate at the boundary between water and air, especially in saltwater. This includes proteins and their first stages of decomposition (these contain the undesired elements nitrogen and phosphorus), but also smallest dirt particles (solids) etc.

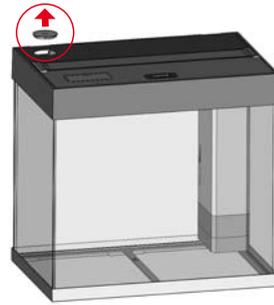
Installation in JUWEL aquariums

The JUWEL SeaSkim is intended for installation in the JUWEL Rio, Lido, Vision and Trigon aquariums. These Juwel aquariums are characterised by the fact that an opening for the SeaSkim is already available and closed by means of a cap. Remove the cap closing the cover.

Recommendation: Flap set for JUWEL SeaSkim

If the cover of your JUWEL aquarium does not include a special opening for SeaSkim, we recommend that you contact your specialist retailer.

The matching flap set for SeaSkim can be purchased there as an original JUWEL spare part.



Installation of the mount for the JUWEL SeaSkim

The SeaSkim is permanently installed by means of the mount included in the delivery. This ensures the correct position in the aquarium and consequently optimum skimming results. The aquarium should be emptied to such an extent that you may wipe the panes dry.

You achieve the correct position by using the enclosed template for positioning the mount.

1. Initially fold the template at the designated lines and align it in the manner detailed below.

2. Aquarium model RIO, LIDO, VISION:

Hang the template from the inside over the edge of the frame of the left side pane and align it at the rear left corner (ref. figure A).

2. Aquarium model TRIGON:

Hang the template with a distance of 25 cm to the rear outer edge of the frame from the inside over the edge of the frame of the left side pane (ref. figure B).

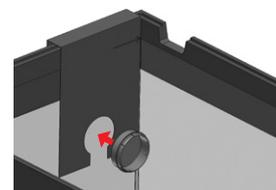
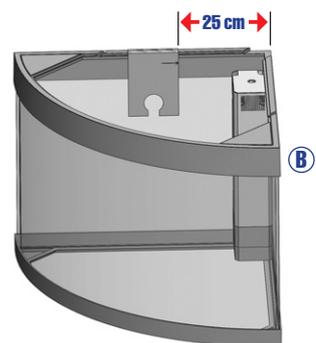
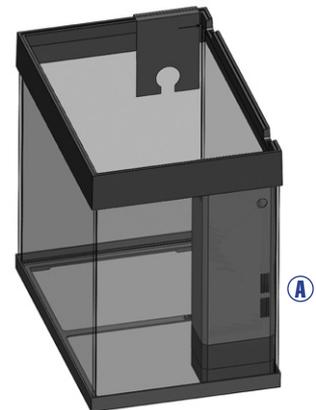
3. Secure the template by means of an adhesive strip in order to avoid shifting.

4. Apply a sufficient quantity of the enclosed JUWEL Conexo glue (item No. 88355) to the outside of the mount after attaching the template.

5. Affix the mount through the designated opening of the template from the inside to the aquarium pane and let it dry for at least 48 hours.

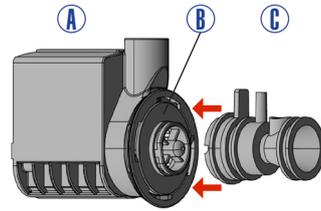
6. Remove the template after the drying time.

7. Check that the mount is securely seated and remove any glue residues that may have escaped.



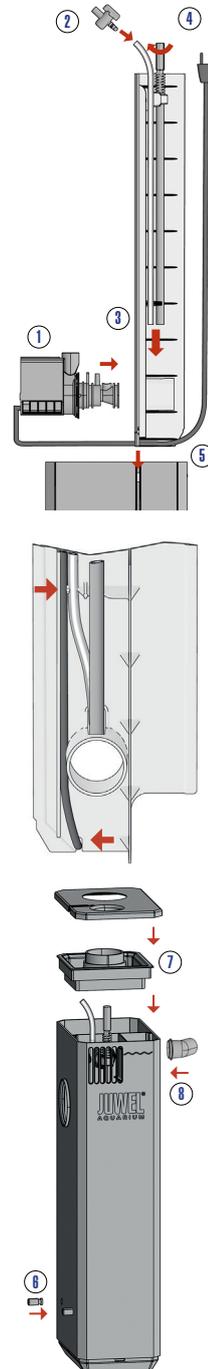
Preparation of the JUWEL Eccoflow SeaSkim Pump

Attach the venturi nozzle (C) to the connection ring (B) of the pump (A). Check the correct positioning of the venturi nozzle in accordance with the illustration.



Preparation SeaSkim

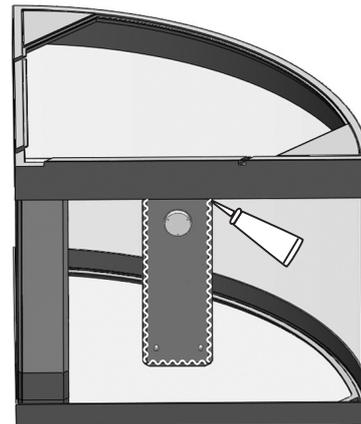
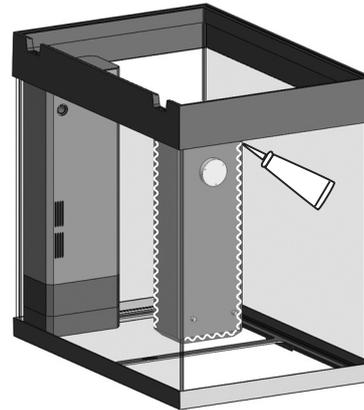
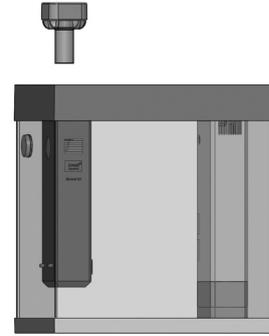
- Remove the housing lid as well as the foam collector and retrieve the separation wall from the housing.
- Assemble the pump and attach the venturi nozzle to the adapter.
- Slide the pump into the designated retainer of the separation wall (1) and route the power cable through the lower cable guide of the separation wall.
- Attach the air controller to the end of the hose (2).
- Connect the air hose to the venturi nozzle (3) and route it through the upper hose guide in the separation wall.
- Route the air pressure controller through the mountings of the separation wall.
- After you have attached the air pressure controller to the pump, connect it to the top end by turning to the right (4).
- Insert the separation wall into the housing (5) and install the distance pieces on the housing (6).
- Install the foam collector and the housing lid (7). Check the correct positioning of the sealing ring on the foam collector. Route the air hose through the mounting of the housing lid.
- Attach the outlet nozzle to the housing of the SeaSkim (8).



Installation JUWEL SeaSkim

1. Place the SeaSkim with the round opening on the permanently glued mount.
2. Install the lighting cover with the opening above the SeaSkim.
3. Route the tube of the foam chamber unit through the opening of the lighting cover to the foam collector.
4. Close the foam collector by means of the cap.
5. Align the outlet in accordance with the environmental situation in your aquarium.

If you wish to close the space between the SeaSkim and the aquarium glass, apply a silicone seam, as shown. This way you prevent fish from being able to swim into the gap.



Operation SeaSkim

Connect the power cable in such a manner that your SeaSkim (protein skimmer) is ready for use.

First, open the airflow controller at the end of the air hose. Now, turn the air pressure controller until the foam rises half way up the foam collector. The normal foam production will only be reached after a run-in period that may take from a few hours up to 3 days.

The foam is rather light and watery during the run-in period of the saltwater aquarium. The foam production depends on the contamination of the aquarium water. We recommend to open the air controller completely and to adjust the foam production with the air pressure controller, in order to utilise the entire capacity of the SeaSkim.

Maintenance JUWEL SeaSkim

Weekly:

Check the foam production and readjust the air controller and air pressure controller if necessary.

Remove the foam collector, empty and clean it with clear water only and possibly a brush.

Do not touch the inside of the foam collector with your fingers, as this substantially reduces the foam production.

Always ensure that the air hole of the foam chamber unit is free of dirt (ref. fig.).

Check the waterintake in the housing of the skimmer for dirt and clean them if applicable.

Do not deactivate the pump during cleaning!

Reinsert the foam collector after cleaning. After cleaning, normal foam production is achieved again after a few hours.

Maintenance JUWEL SeaSkim

Quarterly:

Deactivate the SeaSkim pump and lift off the foam collector unit. Remove the cap and the housing and retrieve the separation wall with the SeaSkim pump.

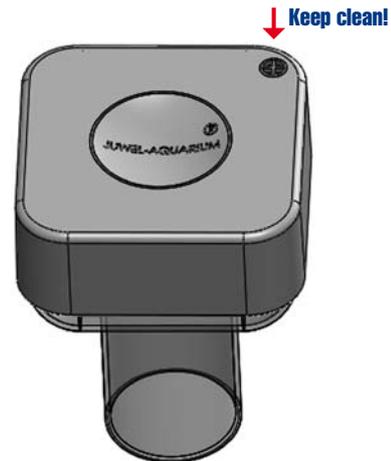
Remove the air pressure controller by turning it to the left and disconnect the air hose from the venturi nozzle. Now, you can remove the pump and the venturi nozzle from the separation wall.

Clean all components and check them for damage. Open and check all parts for dirt or damage. (Also read "Maintenance of the SeaSkim Pump")

Remove salt deposits in the air hose by means of warm water at regular intervals in order to ensure the functionality.

Reassemble the components in reverse order.

Now reconnect the pump to the power grid.



SeaSkim Maintenance of the JUWEL Eccoflow Pump

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

Please proceed as follows:

1. Disconnect all electrical devices that are operated inside the water.
2. To now remove the pump from the SeaSkim, proceed as described in the "Maintenance JUWEL SeaSkim Quarterly" section.
3. Remove the venturi nozzle (C) from the pump and disconnect the connection ring (B) from the motor by turning it anti-clockwise.
4. Remove the impeller (A) and the axle with their rubber bearings from the motor.
5. 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. Use 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.

6. After that, and before you reconnect the devices that are operated inside the water to the power supply, please reinstall the SeaSkim pump in reverse order and reinsert it in the SeaSkim.

Recommendation:

We recommend that you replace the parts subjected to wear and tear, e.g. the impeller, axle, the sealing rings and the rubber axle holders, at intervals of approx. 12 months in order to ensure the optimum function and operating quietness of the pump. (Article Number 85098). Inquire at your specialist retailer for assistance.

Safety instructions:

Please note that the pump can only be operated in water.

Prior to removing the pump from the SeaSkim, please disconnect all power plugs.

The pump can only be operated in rooms and with a water temperature of up to 35 degrees Celsius.

The connection line may not be repaired. Always replace the entire pump in case of damage.

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.

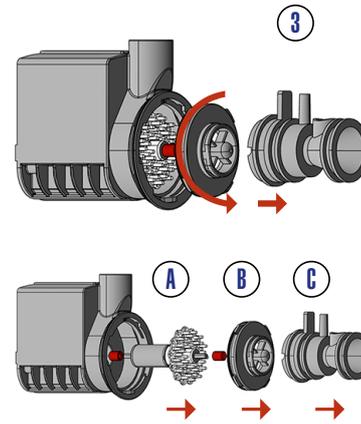


Tip:

JUWEL automatic feeder

We offer you the JUWEL automatic feeder matching all JUWEL aquariums.

It is available from specialist retailers as original JUWEL Aquarium accessory (item No. 89000).



Malfunction - Cause - Remedy

Air bubbles in the aquarium

--- Incorrect positioning of the outlet nozzle.

Position the outlet nozzle toward the water surface, so that the air bubbles do not enter the aquarium.

The SeaSkim produces foam, but it does not rise into the foam chamber

--- Newly equipped aquarium and / or newly installed SeaSkim.

Wait for the run-in period (1-3 days) and/or the occurrence of a higher water contamination due to stocking with animals.

--- The water level is too low.

Refill the water level in accordance with the marking on the housing.

The skimmed liquid is very clear

--- Newly equipped aquarium and / or newly installed SeaSkim.

Wait for the run-in period (1-3 days) and/or the occurrence of a higher water contamination due to stocking with animals. As the water contamination increases, darker foam is being produced.

---The air controller or air pressure controller is open too much.

Reduce the air supply until dark foam is being produced.

--- Insufficient water contamination.

The water contamination by fish determines the colour of the foam. Light stocking = light foam, heavy stocking = dark foam.

The skimming performance drops after longer operation or is interrupted

--- The air supply is disrupted due to salt crystals or a bent hose.

Clean the air hose with clear water or check the hose guide (See "Maintenance JUWEL SeaSkim Quarterly").

- The water intake is dirty.

Clean the water intake.

--- The pump is dirty or defective.

Remove, open and clean with the brush. Replace the impeller if applicable.

The skimmer is noisy

--- The pump is dirty or defective.

Remove, open and clean the pump. Replace the impeller if applicable.

The foam collector fills up too quickly

---The air controller is open too much.

Reduce the air supply at the air controller and adjust the air-water mixture. Proceed in small steps only.

Excessive quantity of air bubbles in the aquarium

---The air controller is open too much.

Reduce the air supply at the air controller and air pressure controller. Proceed in small steps only.



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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© JUWEL, Trigon, Vision, Rekord, Rio, Lido, Vio, Korall, Monolux, Duolux, Multilux, Korallux, Violux, SeaSkim, Aqua Heat, EasyFeed, High-Lite, Warm-Lite, Colour-Lite, Day-Lite, Juwel Twin-Lite, HiFlex, Juwel Eccoflow, Bioflow, Cirax, Nitrox, Phorax, Carbox, BioPad, BioCarb, BioPlus, OXYPlus, Silexo,

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