



# BS Series Beckett Protein Skimmer

## BS-2 / BS-3D / BS-5D

### Installation Guide

### Before Assembly

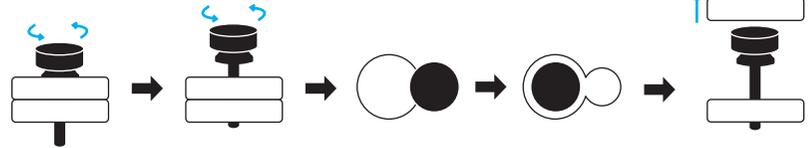
Please open the package carefully, and check if there are any damaged or lost parts. We should have:



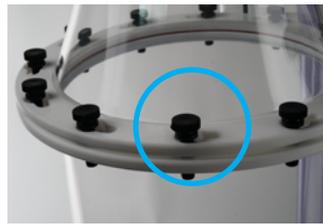
- A** Main body (with silencers \*2 / screws / O-ring)
- B** Collection cup (with top lid / screws)
- C** Inlet tube set
- D** Drain port
- E** Air hoses \*2
- F** Beckett set
- G** Drain tube fitting

### Assembly

- 1** Collection cup: Loosen the screws to flip over the lid, then screws back. (For safe shipping, the lid would be upside-down in the package.)



- 2** Check if O-ring is seal in the groove, and put on the collection cup. Tighten the screws, but do not over-tighten, or product might be damaged.



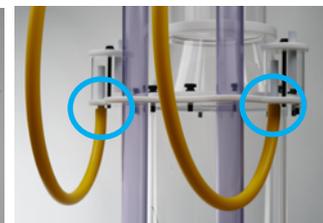
- 3** Install the beckett set.



- 4** Install the inlet set.



- 5** Install the air hoses to connect the beckett set and silencers.



- 6** Install the drain port, and turn it off.



- 7** Use the thread seal tape (sold separately) on the drain tube fitting to prevent leaks.



- 8** Install the drain tube fitting, and connect your waste container to waste tube of collection cup.



- 9** Connect your pump to inlet tube.



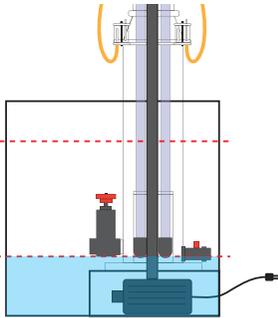
## Recommendations

- For both in-sump installation and external installations, the water level should not be over 1/2 of the main skimmer body, or the valve be out of function.

**In sump**

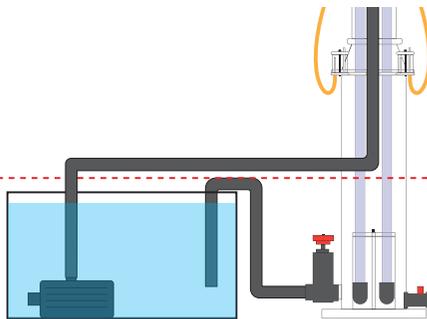
Water level limit

Water level recommendation



**External**

Position of outlet tubing should not be over 1/2 of the main body.



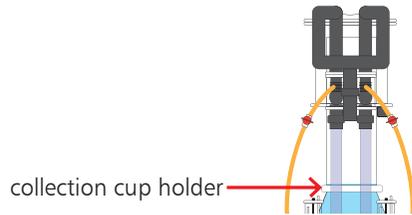
- It may require 2 – 4 weeks for the skimmer to reach maximum performance due to tiny amounts of oil or remnants left from manufacturing. Skimmer performance may be erratic during this time and be sure to allow ample time for the skimmer to break-in before making adjustments. You can clean the skimmer with warm water to shorten the break-in period.
- Tips: You can extend the air hose to reduce noise.

## To Start

- Plug in the pump, and make sure every part is secured.
- When the operation is going well, turn off the outlet valve slowly (clockwise), until the water level reaches collection cup holder. ( It's normal if there's some water inside the injectors in this step. )



the outlet valve



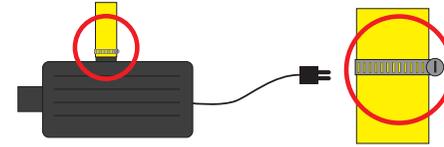
- Now you can get skimmate wetter/drier by adjusting the water level.

water level	high	low
water color		
skimmate	wetter	drier

## Warranty

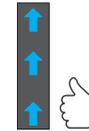
JNS warrants all JNS products to be free from manufacturing defects for one year from the original purchase date when purchased through an authorized JNS retailer. This warranty does not cover any damages caused by misuse, neglect, alterations or improper handling / transport / maintenance / installation. Physical damages are not covered by warranty. JNS does not cover personal injury, personal loss, or other damages associated with the use of our products. In order to request warranty service, please email us at [info@jnsaquaria.com](mailto:info@jnsaquaria.com). A purchase receipt is required for any warranty services. Products requiring warranty service must be returned to JNS. You are responsible for the cost of shipping a warranty claim to JNS and any damages that may occur during transit. Once a returned product has been inspected, it will be repaired or exchanged at our discretion and returned to you. International and/or expedited shipping are not covered under your JNS warranty.

- The hose clamp is needed for all hose connects, to prevent leaks.

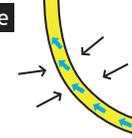


- For outlet tubing, you can choose a hose or tube. The tubes like PVC tubes would be recommended because it won't be bent and produce resistance.

**PVC Tube**



**Hose**



## Maintenance

- For best performance, please clean the collection cup frequently. Use a sponge and warm water to clean it. (DO NOT USE ANY SOAP OR CHEMICALS TO CLEAN THE COLLECTION CUP).
- The beckett and the inlet tube must be clean frequently, due to the air to water interface calcium carbonate (limescale) builds up to form a very hard white substance. Separate the becketts and the inlet, and disassemble the becketts to clean.

