

Slimskim Nano 135.35  
User's Guide



# IMPORTANT SAFETY INSTRUCTIONS

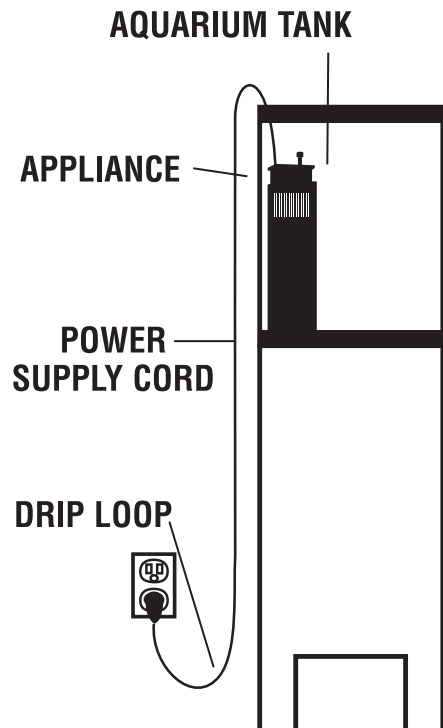
**WARNING** - To guard against injury, basic safety precautions should be observed, including the following:

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

**DANGER** - To avoid possible electric shock, special care should be taken in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.

1. A) If the appliance shows any sign of abnormal water leakage, immediately unplug from the power source  
B) Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.  
C) Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or if it is dropped or damaged in any manner. Inspect power cord insulation to be sure there are no cuts or exposed wire. If so, discard and order a new replacement.  
D) To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop”, shown in the Figure at right, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The “drip loop” is that part of the cord below the level of the receptacle or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.
2. Close supervision is necessary when any appliance is used by or near children.
3. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, etc.

4. Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
5. Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
6. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
7. Make sure an appliance mounted on a tank is securely installed before operating it.
8. Read and observe all the important notices on the appliance.
9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may over heat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.



**SAVE THESE  
INSTRUCTIONS**

# Assembly

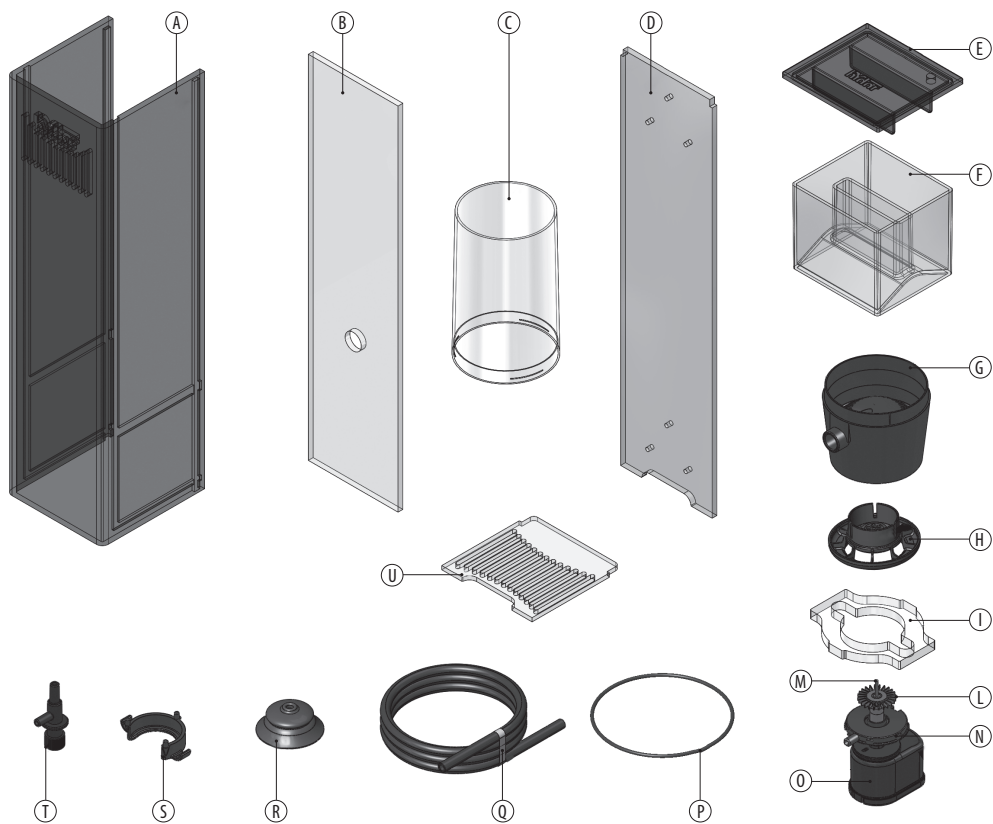


fig 1

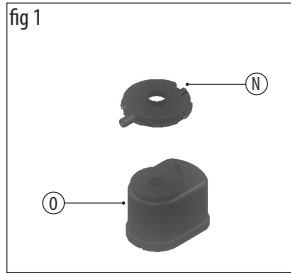


fig 2

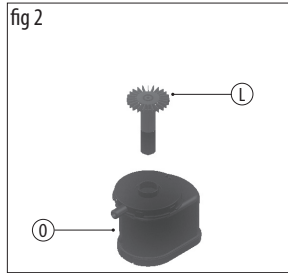


fig 3

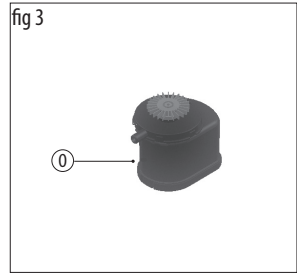


fig 4

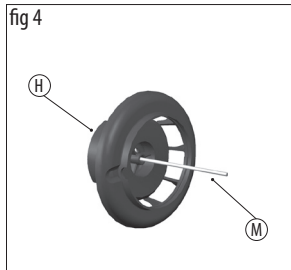


fig 5

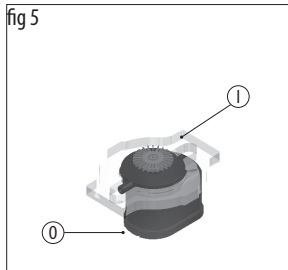


fig 6

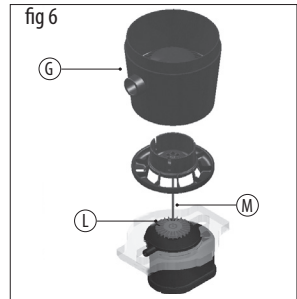


fig 7

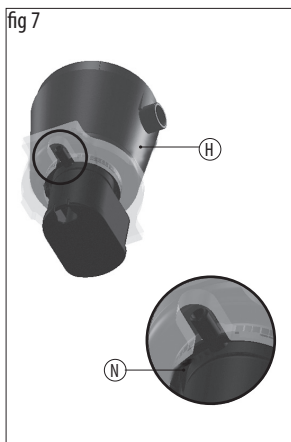


fig 8

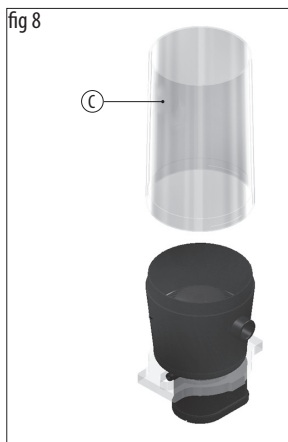
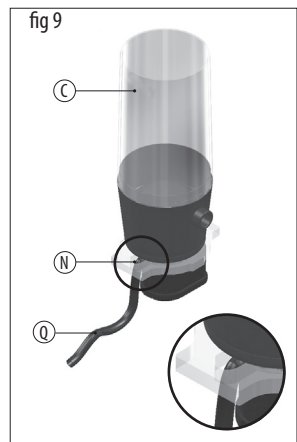


fig 9



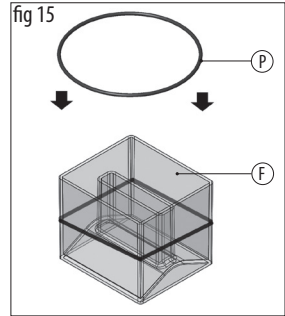
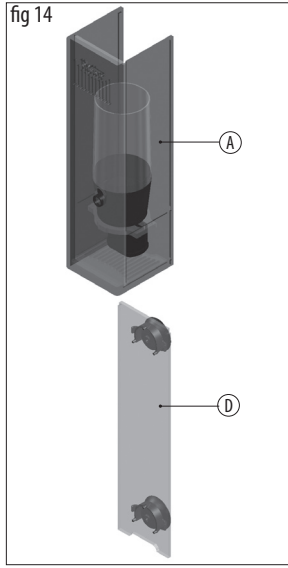
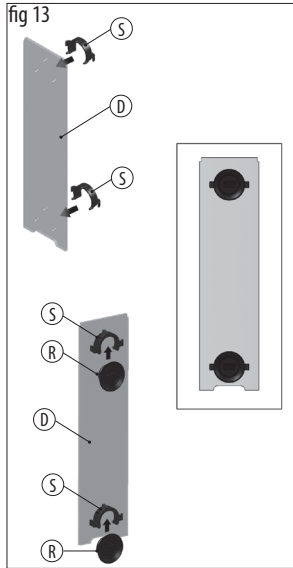
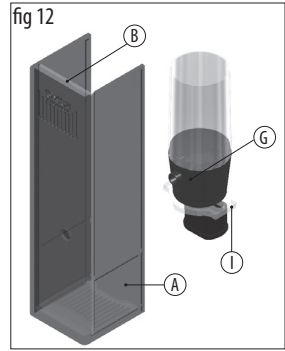
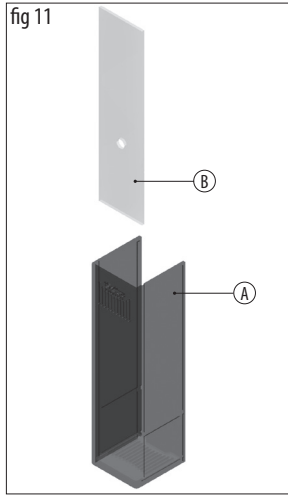
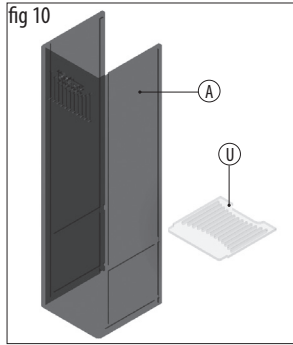


fig 16

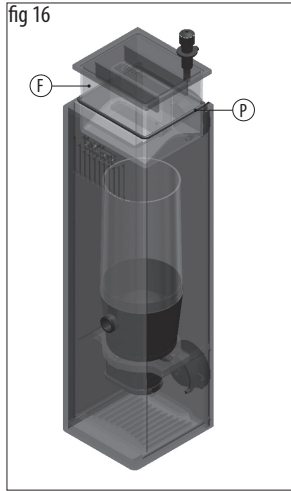


fig 17

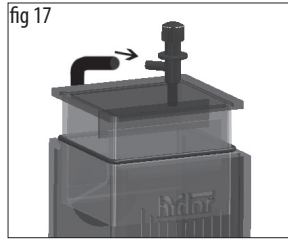
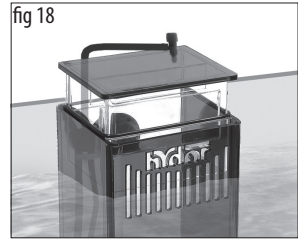


fig 18



ATTENTION:

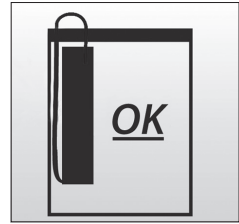
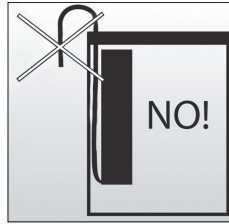


fig 19a

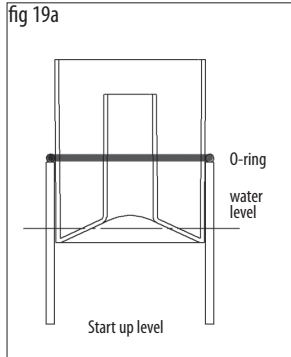


fig 19b

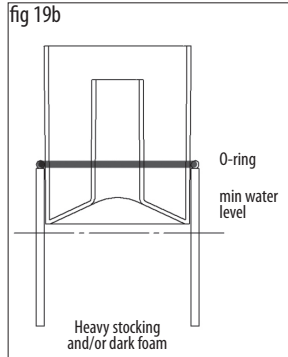
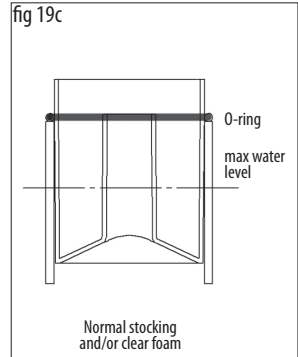


fig 19c



# Slimskim Nano 135.35

Dear Customer,

Thank you for choosing this quality product. Please read the following instructions very carefully for the best understanding of the characteristics of this new, innovative product. Hydor's new Slimskim Nano skimmer is equipped with a special adjustable collection cup, and one pump for both foaming and water supply. It is designed to be easily taken apart for quick and simple maintenance.

The height regulation of the collection cup can be adjusted by the positioning of the o-ring. This allows for precise foaming regulation.

**Attention:** Slimskim Nano skimmer is specifically designed for use in aquariums. Please refer to your dealer for any other application.

## Safety information

**Attention:** please verify that all components of the skimmer are undamaged before putting it into function. Before placing hands in the aquarium, always disconnect from mains all electrical devices immersed in water. Verify that the voltage of the mains supply corresponds to the voltage shown on the unit's label.

- The pump is intended for indoor use only in fluid with a temperature of max. 35° C (95° F)
- DO NOT RUN DRY - Do not connect to electrical supply if pump is not completely immersed in water.
- Do not connect to electrical supply if pump is missing parts.
- The cord of this pump cannot be replaced or repaired; in case of damage the entire unit must be substituted.
- Do not cut or pull on the electrical cord.
- Always disconnect from mains gently.
- Make sure hands are dry before touching and disconnecting any electrical supply.
- To avoid any danger of shock remember to always keep all connections dry.
- Verify that the mains are clean and are not humid or encrusted with salty deposits..
- Please keep these instruction in a safe and dry place.

## Description

- |  |                         |
|--|-------------------------|
| A. Skimmer body/column                 | M. Shaft                |
| B. Separation for water intake chamber | N. Air intake chamber   |
| C. Foaming tube                        | O. Motor                |
| D. Back panel                          | P. O-ring               |
| E. Collection cup lid                  | Q. Black air tube       |
| F. Collection cup                      | R. Magnet + suction cup |
| G. Foaming chamber                     | S. Clips                |
| H. Impeller cover                      | T. Airflow control      |
| I. Motor support                       | U. Grid                 |
| L. Rotor                               |                         |



## Assembly

Slimskim Nano is first supplied with the pump already assembled and in the correct position. The following instructions (from fig. 1 to 9) should be followed closely when carrying out maintenance and/or replacing parts.

- Click the air intake chamber (N) on the motor (O) –fig.1
- Position the impeller (L) –fig.2 in the motor (O) –fig.3
- Position the shaft (M) in the fitting in the impeller cover (H) –fig.4
- Position the motor support (I) on the motor (O) as shown in –fig.5
- Connect all the above by inserting the shaft (M) in the impeller opening (L) and positioning the foaming chamber (G) –fig.6.
- Make sure the fitting on the impeller cover (H) corresponds to the connection for the air intake tube on the air intake chamber and click on (N) –fig.7. Connect the pump chamber (G) with the foaming chamber and the foaming tube (C) –fig.8
- Connect the black air tube (Q) to the air intake chamber (N) –fig.9
- Fig.10 Insert the grid (U) in the slot at the bottom of the skimmer body.
- Fig.14 Insert the separation for the intake chamber (B) in the slot closest to the front part of the skimmer (Hydor logo) to a complete stop touching the grid.
- Place the motor assembly in the horizontal slot on the skimmer body
- Apply the magnet (R) + suction cups to the clips (S) on the back panel of the skimmer (D)
- Insert the back panel (D) in the slot on the back part of the skimmer (A) to a complete stop.
- Place the o-ring (P) on the collection cup (F) of the skimmer.
- Position and block the air intake tube and the electrical cable on the suction cups (S). Place the collection cup at max height (o-ring should be on the lowest position possible) and with this position measure and cut the air tube (Q) a few cm above the lid. Positioning the air control (T) and connect the air tube fig. 17

## Installation

The “Slimskim Nano” is designed to be positioned inside the aquarium using the supplied magnet + suction-cup supports (for glass/acrylic up to 10mm/3/4” thick). It’s adaptable and is the ideal solution for aquariums that do not have a sump.

After assembling the product, please proceed as follows:

- Choose where to position the skimmer inside the aquarium, remember to clean the surface (both inside and outside the aquarium) carefully so the magnet+suction-cup support can stick properly.
- Position the skimmer, as suggested in fig. 18, so that the water level is at the mid-height of the grid to guarantee adequate surface aspiration.
- Position the collection cup adjusting the o-ring as suggested in fig.19.
- Connect the pump to the electrical supply.

The following instructions on regulating water level and airflow are only indicative for the start up of the skimmer. It will then be up to the Fishkeeper to adjust the system to better fit specific needs (tank size, stocking, foam, etc).

**IMPORTANT: the skimmer needs to run at least 3/7 days before it starts foaming properly and the setting becomes final. It is possible to notice some air bubbles that enter the aquarium through the drainage, this is normal, and they will disappear once the skimmer reaches its operating balance.**

## Regulation

### COLLECTION CUP REGULATION:

- For aquariums with heavy stocking or for dark foam/skimate, lift the collection cup and lower the o-ring gradually as shown in figure 19b
- For aquariums with normal stocking or for light foam/skimate lower the collection cup by lifting the o-ring gradually as shown in figure 19c.

**Attention:** It is advisable to adjust the collection cup by small movements, one at a time (2/4mm – 1/8/1/4 in). For every adjustment you need a few hours before verifying if the foam suits the needs. Repeat this operation until you reach the correct setting without going beyond the min and max level shown in fig. 19b and fig.19c

### AIR REGULATION:

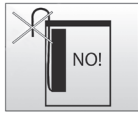
Air can be regulated by adjusting the control (T).

Air regulation is very empirical and depends on the aquarium stocking, the type of foaming desired, etc. Slimskim Nano was designed to operate with the air flow control completely open to optimize ratio between air volume, foaming chamber size and quantity of water skimmed.

## Warnings

Before removing the skimmer, empty the collection cup to prevent the waist from accidentally falling in the aquarium. Always operate “Slimskim Nano” with the lid and the air intake tube correctly positioned.

### Attention!



The air tube should always be positioned correctly on the collection cup lid and should never hang over the side of the aquarium to prevent the drainage of the aquarium itself (communicating vessels effect).

## Maintenance

**ATTENTION: Before placing hands in the aquarium, always disconnect from mains all electrical devices immersed in water.**

Regular cleaning and maintenance of the skimmer and the foaming pump will guarantee better performance and durability.

Please follow this list of activities:

- Check the collection cup and clean it on a regular basis;
- Periodically clean the column with water to remove any trace of algae. Only if necessary, use bleach, diluted hydrochloric acid or vinegar to remove algae or calcium residue (which could inhibit foaming). Remember to rinse thoroughly to avoid any detergent residue. Attention! This operation (cleaning with detergents) takes the skimmer back to the initial conditions: it will take a few days for it to return to desired settings and efficiency.
- Regularly, or when the airflow diminishes, clean the air intake tube and the control (they could become blocked with calcium, salt or dust residue).
- Special care should be taken of the foaming/supply pump. Correct maintenance will guarantee durability of the impeller and less noise. Calcium residue could form between the shaft and the impeller, as in the impeller chamber. These residues can cause friction, over-heating and premature wear and tear compromising the components and correct functioning. For this reason and in case of calcium precipitation,

use of Kalkwasser, etc the pump and the impeller should be washed in an acid solution such as Hydor MagiKlean.

Following these procedures will help maintain Slimskim Nano efficient.

### Quick trouble shooting ...

- Excess foam production: adjust by lifting the collection cup and lowering the o-ring gradually as shown in fig.19b. Check airflow and if necessary, reduce.
- No Foaming: adjust by lowering the collection cup and lifting the o-ring as shown in fig.19c. Check airflow and if necessary increase or open completely. If the water readings are perfect, no foam is normal as there is no residue to skim and clear out. This is why, for short periods of time there can be a lack of foam.
- Noisy pump: make sure the pump is not damaged. Check that it is assembled correctly (refer to assembly instructions). Clean the pump by carrying out the procedures described in the Maintenance paragraph.

### Guarantee

This device is guaranteed for a period of 24 months from the day of purchase, against defects in material or manufacturing defects. Our guarantee does not apply to claims the cause of which is due to installation and operation faults, lack of maintenance, misuse of the appliance, effects of frost, furring and lime deposits or amateur attempts at repair work. The consumable materials and the parts subjected to wear and tear, that must be periodically replaced for normal maintenance of the device, are not included in our guarantee. The certificate of guarantee must be completed by the retailer and is to be sent with the appliance in case of return, together with the purchase receipt recording the day of purchase.

### European union disposal information




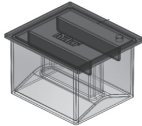




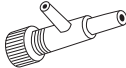


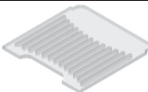

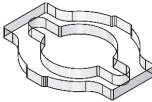


This symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free.

The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

# Technical data

height	footprint	heavy stocking	normal stocking	foaming pumps
30 cm 12 in	8x8.5 h cm 31/8x31/4x12h in	60 lt 25 gal	140 lt 35 gal	4 W

SPARES ERSATZTEILE RECAMBIOS WISSEKSTUKKEN RECHANGES RICAMBI スペアパーツ					
	STD CODE	USA CODE		STD CODE	USA CODE
	XA0119	XA0120		XS0309	XS0310
	XA0125	XA0126		XS0311	XS0312
	XS0319	XS0320		XS0303	XS0304
	XA0113	XA0114		XS0321	XS0322
	XS0158	XS0159		XS0307	XS0308
	XP1941	XP1943		XS0315	XS0316
	XS0305	XS0306		XS0301	XS0302