

Thank you for purchasing your new SKIMZ Protein Skimmer that provides optimum performance with maximum safety and reliability.

Model	Recommended Feed Pump (max)	Feed Inlet Diameter (mm)	Return Outlet Pipe Diameter (mm)	For Aquarium	Code
SM 122	800 l/hr	Eheim 12/16 hose	32	200 - 750 L	8002-00
SM 162	1500 l/hr	Eheim 16/22 hose	40	500 - 1200 L	8003-00
SM 202	2000 l/hr	Eheim 19/27 hose	50	800 - 2000 L	8004-00
SM 252	2800 l/hr	Eheim 19/27 hose	50	1000 - 3000 L	8005-00
SM 302	3500 l/hr	Eheim 19/27 hose	63	1500 - 4000 L	8006-00

SAFETY INSTRUCTIONS

Check that the voltage shown on the label of the pump corresponds to the voltage of the main supply.

Disconnect all electrical appliances from the main before placing your hands in the water.

The pump is protected against overheating. Never allow the pump to run dry.

MAINTENANCE

It is recommended to clean the pumps every 3 months. Check and clean the impeller, and if necessary soak the pump and impeller in white vinegar to dissolve any calcium deposits.

WARRANTY POLICY

Skimz Singapore LLP (Company) warrants this product to the original purchaser against defective material and workmanship that occurs during normal use of the body for two (2) years and one (1) year warranty on the pump. Company will, at Company's option, either repair or replace without charge.

PRODUCTS COVERED BY WARRANTY

All Skimz equipment is covered by warranty from the date of purchase. To be effective, register your product at: www.skimz.sg/support/register.html within 14 days of the product's purchase date.

Exclusions:

Damage resulting from accident, misuse, lack of reasonable care, subjecting the product to abnormal working conditions or any other failure not resulting from defects in materials or workmanship.

Damage caused by tampering, modification or attempted repair by anyone other than the Company.

Transfer of product to someone other than the original purchaser.

Bring the product to your nearest Skimz dealer or ship the product, together with a copy of the purchase receipt or other evidence of purchase to:

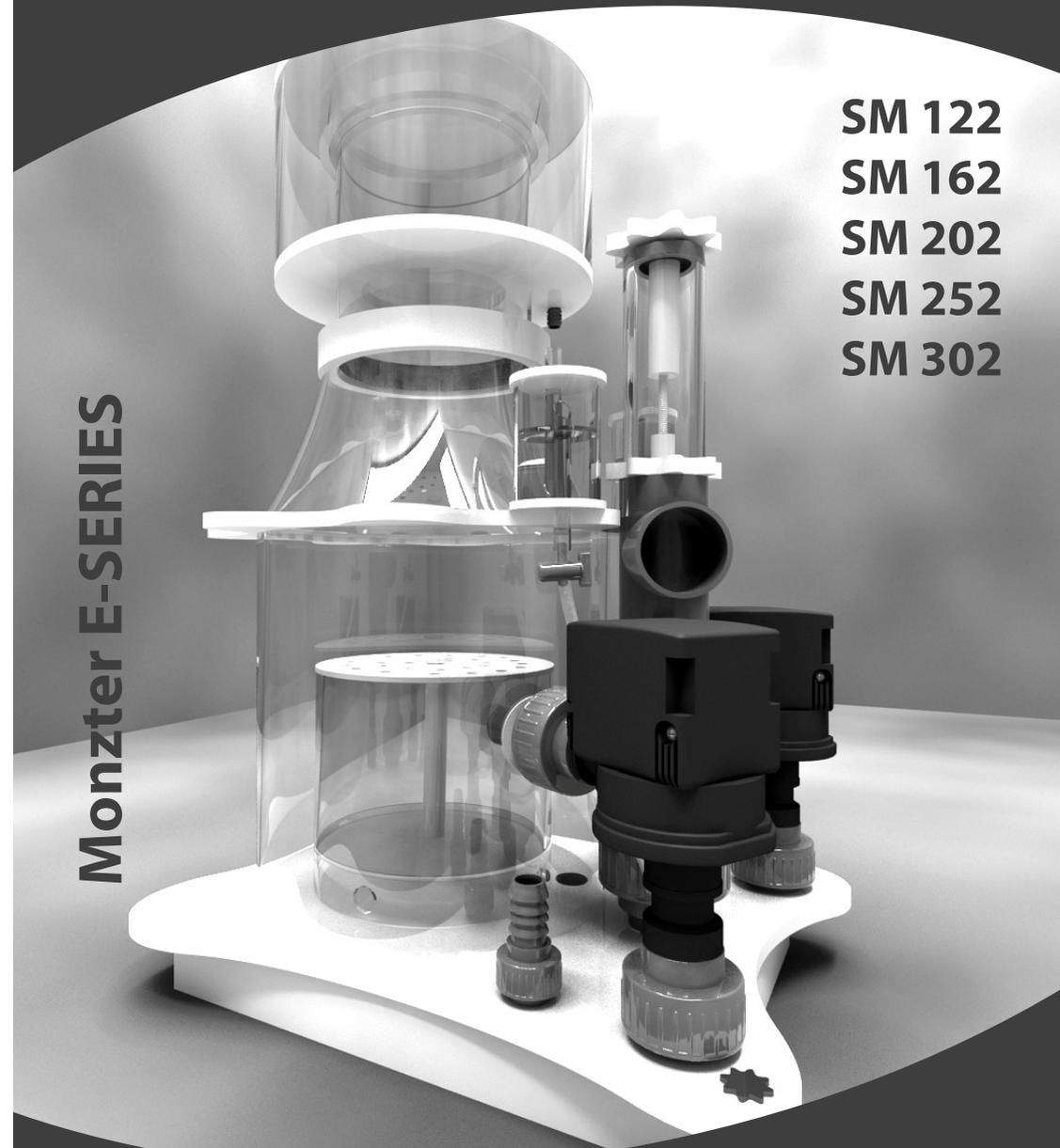
Skimz Singapore LLP
5 Ang Mo Kio Industrial Park 2A
#04-30 AMK Tech II
Singapore 567760

You must pay any postage, shipping charges, insurance costs and other expenses to return the product to Skimz. However, if the necessary repairs are covered by the warranty, Company will pay the return shipping charges.

This product is qualified in accordance with the respective regulations and guidelines and meet EC standards.

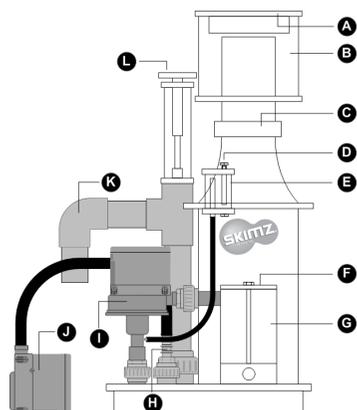


QUICK INSTALLATION GUIDE



PROTEIN SKIMMER external

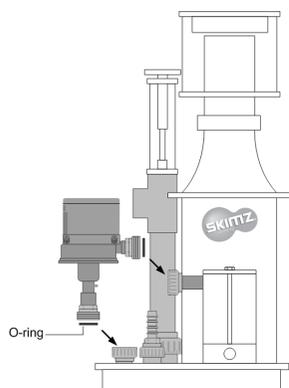




- A. Lid for collection cup
- B. Collection cup
- C. Twist-lock fitting (Bayonet)
- D. Air intake tap
- E. Air intake silencer
- F. Bubble plate lid
- G. Bubble plate chamber
- H. Feed pump inlet
- I. Skimmer pump
- J. Feed pump
- K. Outlet pipe
- L. Micro-adjustable valve

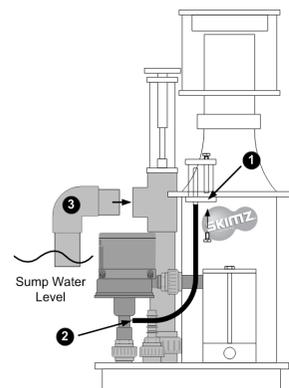
STEP 1

1. Make sure all o-rings are in the correct position.
2. Attach the skimmer pump according to the diagram.
3. When installing the pump, do not tighten the coupling too much.



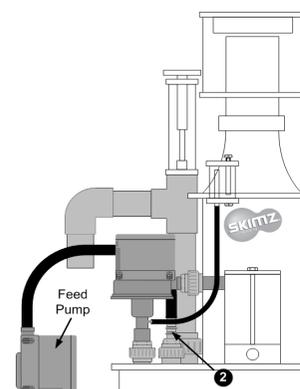
STEP 2

1. Assemble the air intake silencer and connect the air tube as shown on the diagram.
2. Then connect the air tube to the skimmer pump air inlet.
3. Assemble the outlet pipe as shown on the diagram.
4. Never fit an outlet pipe higher or smaller in diameter than the size existing on the skimmer. This will prevent proper outflow of water from the skimmer, and affect the proper functioning of the skimmer.



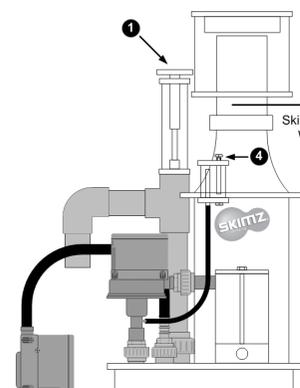
STEP 3

1. The recirculating skimmer should be provided with water from the aquarium either by a separate feed pump or by gravity feed.
2. Choose a suitable feed pump and connect it to the inlet with a flexible hose.
3. It is recommended to fit a ball valve on the outlet of the feed pump to achieve better adjustment of the skimmer water level.



STEP 4

1. Open the micro-adjustable valve fully (clockwise) and start the feed pump.
2. Allow the skimmer to be filled with water until it overflow from the outlet pipe. Then switch on the skimmer pump.
3. Close the micro-adjustable valve until the skimmer water level is between the bayonet and bottom of the collection cup.
4. Set the air intake tap halfway and leave it to settle down for a day or so (initial break-in period).
5. When foam formation begins after break-in period, fine adjustment to the skimmer can be done via adjustment of air intake tap and micro-adjustable valve for optimum performance.



STEP 5

1. For dry skimming foam, turn the micro-adjustable valve clockwise.
2. For wet skimming foam, turn anti-clockwise.
3. Skimz Skimmer can be operated with ozone up to max. 50 mg/h per pump via a suitable silicon hose. The guideline for ozone dosing is 5 to 10 mg/h for each 100 L of aquarium water.
4. Install a T-joint to the skimmer pump air inlet. Run one side of the T to the ozone unit and the other to air intake silencer. You can adjust the air intake tap to produce sufficient suction on the ozone side to pull the ozone into the skimmer passively.

