

WARNING! Buyer/user assumes all responsibility for safety and proper use not in accordance with the directions and safety labels.



Rio⁺

RIO[®] PLUS 600-800 PT AND DUAL INTAKE VENTURI (DIV) KIT



WARNING AND SAFEGUARDS

Read and follow the guidelines to insure the proper use and application of this Rio[®] Pump. Failure to follow these guidelines may result in damage and serious injury.

- Do not operate Rio[®] Pump without being fully submersed at all times. Doing so can cause permanent damage to the pump.
- Never operate Rio[®] Pump with an electronic wave maker or timing device. As such devices will cause permanent damage to the pump and/or demagnetize the magnetic impeller.
- Prior to maintenance on any electrical aquarium appliance or maintenance to the aquarium, you must disconnect all electrical aquarium devices.
- Routine maintenance is required to insure the maximum performance and the longevity of the Rio[®] Pump. See maintenance guidelines.
- The use of a surge suppressor is strongly recommended.
- Do not operate if wire is damaged.

WARNING!

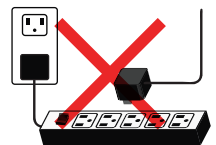
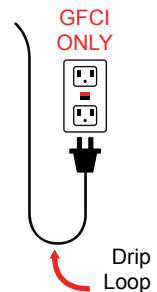
This product may contain chemicals known to the state of California to cause cancer and or birth defects or other reproductive harm. Wash your hand after handling this product.

It is your sole responsibilities to verify that the plug and the receptacle are clean and free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, permanent damage to the product and personal injury not limited to loss of life.

Do not plug into extension cord/power strip.

A drip loop must be used when plugging all electrical aquarium devices. A drip loop is that part of the cord hanging below the receptacle.

The national code requires that a GFCI (Ground fault circuit interrupter) be used in the branch circuit supplying all power to water pumps and electrical aquarium equipment. If you do not have a GFCI, have an electrician install one prior to operating any aquarium component.



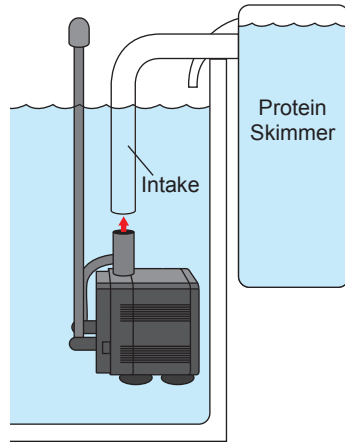
INSTALLATION

Note: There may be variances when installing this pump directly to protein skimmer as there are many different protein skimmer manufactures. Consult with the manufacture of the protein skimmer for exact installation instructions for there specific skimmer.

INSTALLATION OF PUMP

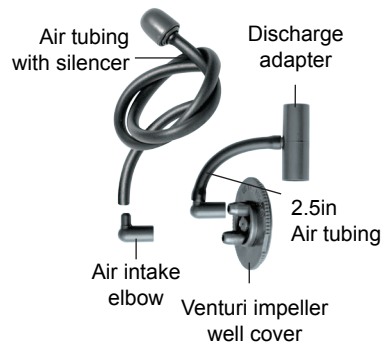
The pump comes out of the box and is ready to run.

1. Connect directly to the intake of the protein skimmer.
2. Position the air tubing silencer outside the water.
3. Plug the unit directly to a GFCI outlet.
4. Verify that there is water and air entering the skimmer.



INSTALLATION OF THE DUAL INTAKE VENTURI (DIV) KIT TO AN EXISTING RIO® PLUS WATER PUMP

1. Remove the main housing strainer from the pump.
Note: you do not need this part any more.
2. Remove the impeller well cover.
3. Remove the rubber shaft bushing inside the impeller well cover.
4. Place the rubber shaft bushing back onto the ceramic shaft.
5. Install new venturi impeller well cover.
6. Install discharge adapter to that the tapered side is away from the pump.
7. Connect the both air intake elbows to the venturi impeller well cover.
8. Connect the 2.5in air tubing to the air intake elbow closest to the discharge adapter and then to the nipple on the discharge adapter.
9. Connect the air tubing with silencer to the other air intake elbow.
10. Directions for installation.



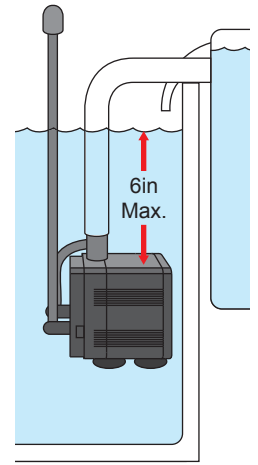
**DIV Kit
(Dual Intake Venturi Kit)**

TROUBLE SHOOTING

PROBLEM: NO AIR

SOLUTION:

- Verify that the air tubing with silencer is out of water.
- The venturi needs to be cleaned: Remove the silencer and place air tubing in a cup of warm water let the pump suck water through pump.
- If regular maintenance has not been preformed it may be necessary to remove the pump and disassemble the venturi. When doing so verify that all holes are clear. It may be necessary to soak parts in a vinegar water solution (3 parts water to 1 part vinegar.)
- Impeller and impeller well cover needs to be cleaned.
- The pump is positioned to deep in the water column, do not place the pump deeper than 6in from the water level



MAINTENANCE

Routine weekly maintenance is the most importance to ensure a well operating pump.

1. Unplug all electrical aquarium devices prior to maintenance of the aquarium or aquarium component.
2. Unplug the pump from the GFCI outlet.
3. Remove pump from the protein skimmer.
4. Remove all tubing, elbow, impeller well cover, impeller and ceramic shaft.
5. Clean the impeller, shaft, impeller well cover and air intake elbows with a vinegar water solution (1 part vinegar and 1 part water). Let it soak for a minimum of 15 minutes. Verify that the impeller spins freely on the shaft and all air intake holes are free of debris. In some cases, it may take additional soaking to break up excess calcium build-up.
6. Reassemble impeller verify that all bushing are properly installed.
7. Reassemble pump.

REPLACEMENT PART

REPLACEMENT PARTS	UPC NO. 0006760
Rio 600 Plus Impeller	0828 7
Rio 800 Plus Impeller	0829 4
Rio 600 Impeller	0150 9
Rio 800 Impeller	0292 6
Dual Intake Venturi Kit 600-800	0440 1

LIMITED WARRANTY

TAAM® warrants that Rio® Plus Aqua Pump/PowerHead is free from defects for a period of 6 months from the initial date of purchase shown on the original cash register receipt. TAAM® disclaims all other warranties of merchantability and/or fitness for a particular purpose. Although this limited warranty may give you specific rights, you may have other rights that may vary from state to state. This warranty is void if the failure of the controller or any part, sealant or component there of is due to (i) misuse, (ii) tampering, (iii) negligence, (iv) misapplication, (v) abuse, (vi) accident and/or (vii) failure to properly (a) maintain, (b) clean, (c) keep free from water and moisture and/or use the controller with a Ground Fault Circuit Interrupter (GFCI).

CONSUMER REMEDIES

TAAM®'s entire liability and your sole and exclusive remedy shall be either repair or replacement of Rio® Plus Aqua Pump/PowerHead only if you return the defective unit directly to TAAM® with the original receipt in its original box along with seven dollars (\$7.00) for shipping and handling. Do not send Rio® Plus Aqua Pump/PowerHead by insured mail. You may send your returns or replacements by UPS if requiring a signature upon arrival. Any replaced unit will be warranted for the remaining time of the original warranty period. In no event shall any shipping charges be reimbursed. In no event will TAAM® be liable for any consequential or incidental damages, including but not limited to, lost sea life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of Rio® Plus Aqua Pump/PowerHead. Some states do not allow for the limitation or exclusion of liability for incidental or consequential damages, so the above exclusion may not apply to you.

RETURNS

Please contact our service center at (805) 383-3566 ext. 102 or fax (805) 383-3565 to arrange repair and/or replacement. Please allow 4-6 weeks for all returns.

WARRANTY CARD

Please mail warranty card and PROOF OF PURCHASE within 15 days of purchase to:
TAAM® 300 South Lewis Rd. Unit J, Camarillo CA 93012, USA

Customer's Name:

Model No.

Address:

Date of Purchase

Dealer Name:

Phone No.



Technological Aquatic Associated Manufacturing
300 South Lewis Rd. Unit J, Camarillo CA 93012, USA
Fax: (805) 383-3565. www.riopumps.com
Specifications & technical information may change without notice

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