

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



SEIO™ SURGE PUMP

VARIED CURRENT GENERATING PUMP



TAAAM®

Technological Aquatic Associated Manufacturing
Fax: (805) 383-3565. www.riopumps.com

FEATURE

- Wavemaker water pump
- Built in 4 stages flow pattern
- Plug and Play
- Cycle Time:
 - Low 5 seconds
 - Medium 5 seconds
 - Medium high 5 seconds
 - High 6 seconds

Varied ocean currents in the aquarium without any remote control, timer, transformers and/or wave-maker, this state of the art pump is plug and play. Seio Surge Pump simulates natural currents of the ocean that aid in coral growth and feeding. This pump is pre-programmed in all settings to gradually increase water flow from low to high. The next generation in water circulation, Seio surge pump is the first pump in the aquarium industry that does not require any remote controller or transformer to run.

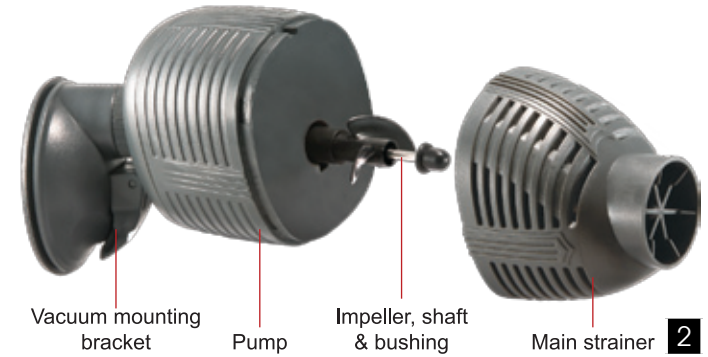
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AVAILABLE MODEL

Item No	Watt (115V/60Hz)	Pump Size (approx.)	Flow Rate (GPH/LPH)	Aquarium Size	UPC No. 0006760
SEIO S5K	7-17 W	5 x 2.8 x 3.3 in (12.5 x 7 x 8.3 cm)	660-1320/2500-5000	40-80 Gal. (150-300 Liter)	1036 5
SEIO S10K	10-22 W	5.5 x 2.8 x 3.3 in (14 x 7 x 8.3 cm)	1680-2840/6400-10800	60-260 Gal. (240-1000 Liter)	1037 2

PARTS LIST:

1. Vacuum mounting bracket
2. Pump
3. Impeller
4. Shaft and bushing
5. Main strainer



Vacuum mounting bracket

Pump

Impeller, shaft & bushing

Main strainer

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WARNING & SAFEGUARDS

Read and follow the guidelines to ensure the proper use and application of this Seio surge pump. Failure to follow these guidelines may result in damage to the aquatic environment and serious injury.

Operation and safety Precautions:

The National Code requires that a GFCI (Ground Fault Circuit Interrupter) be utilized in the branch circuit supplying all water pump and aquarium electrical equipment. If you do not have a GFCI, please see your local electrical supplier for this device.

Important Warning and Safeguards

- Do not operate pump with Seio surge pump without being fully submersed at all times. Not doing so can cause permanent damage to the pump.
- Replace the impeller and or shaft if there is any excess signs of wear

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- 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 ensure the maximum performance and the longevity of Seio surge pump. See Maintenance Guidelines
- The national code requires all aquarium equipment to be plugged into a GFCI (Ground Fault circuit Interpreter) electrical outlet
- Do not operate if wire is damaged
- Do not plug into an extension cord or power strip
- Failure to keep the Main strainer clean will not allow water into the pump thus causing permanent damage to the impeller, ceramic shaft and or the pump
- Do not plug into a power strip. Always plug the pump directly to a GFCI outlet using a drip loop.
- Seio Surge pump is designed to run completely submersed in water. Do not operate pump outside of water! This pump should be submersed in water before connecting to a power source.

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- Seio surge pump may be utilized in either fresh water or salt water but not in foreign fluids, flammable liquids or any chemical

WARNINGS!

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.

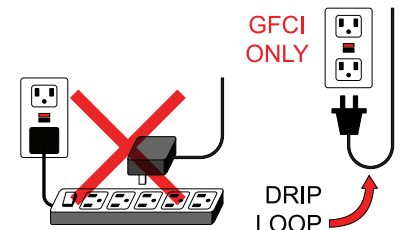
It is your sole responsibilities to verify that the plug and the receptacle are clean and free of moisture and salt build up at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, permanent damage to the product and 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.

Note: It is important that the right pump and flow rate is being used for the given specific application. Use the flow chart to determine the proper size pump and tubing to be used for given application.



GFCI ONLY

DRIP LOOP

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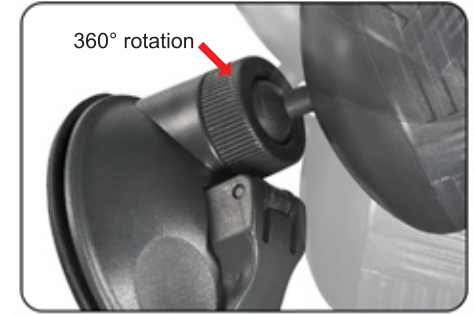
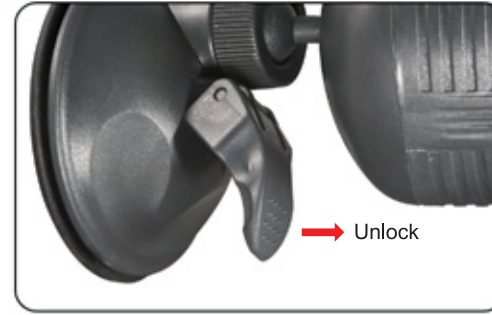
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INSTALLATION

1. Pump comes already assembled
2. Choose a location for the pump that is a minimum 1" below the surface of the water
3. Verify that the surface where the pump is going to be attached to is clean and free of all algae and/or excess debris.
4. Attach vacuum mounting bracket to the glass. See diagram
5. Verify the vacuum mounting bracket is secure
6. Slide the pump onto the vacuum mounting bracket and adjust to desired angle
7. Plug the pump directly to a GFCI outlet

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MAINTENANCE

Preventing debris and free floating material from entering your Seio surge pump is of utmost importance to the longevity of your pump. Your pump requires regular cleaning to maintain a steady water flow. Note: Gravel, sand and calcium deposits will also diminish/damage the longevity of Seio surge pump and impeller.

IMPORTANT

You must disconnect all electrical power to the aquarium and water pump before beginning the maintenance on any electrical equipment including Seio surge pump.

Do not use any type of soap or detergent to clean the Seio surge pump and parts. Remove main strainer. Clean and rinse of all dirt and debris. Remove the impeller and shaft and clean well. Verify that the shaft spins freely on the shaft. In environments that have a high amount of calcium it may be necessary to clean impeller in 1 part vinegar 3 parts water solution, this will breakdown calcium build up. Let

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soak for a minimum of 15 minutes. Clean well then verify that the impeller spins freely on the shaft. Note: Replace impeller or ceramic shaft if any signs of excess wear on impeller or shaft replace with a Seio Surge impeller kit. After cleaning, reassemble impeller into the pump and replace main strainer.

Impeller may need to be replaced periodically to maintain a steady output flow. Seio surge pump replacement parts, are sold at your local pet dealer or call us, TAAM® for more information for purchasing Seio surge pump replacement parts.

Do not tamper with or replace the power cord of this appliance. If the cord is damaged, the appliance should be discarded.

LIMITED WARRANTY

TAAM® warrants that Seio™ Surge pump 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

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other rights that may vary from state to state.

This warranty is void if the failure of the pump 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 pump fully submersed and/or use the pump 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 Seio™ Surge pump 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 Seio™ Surge pump 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,

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property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of Seio™ Surge pump. 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 go to our website, to download Warranty Card. http://www.riopumps.com/Resources_folder/Warranty.html

Fill out this warranty card and mail it with PROOF OF PURCHASE within 15 days of purchase

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