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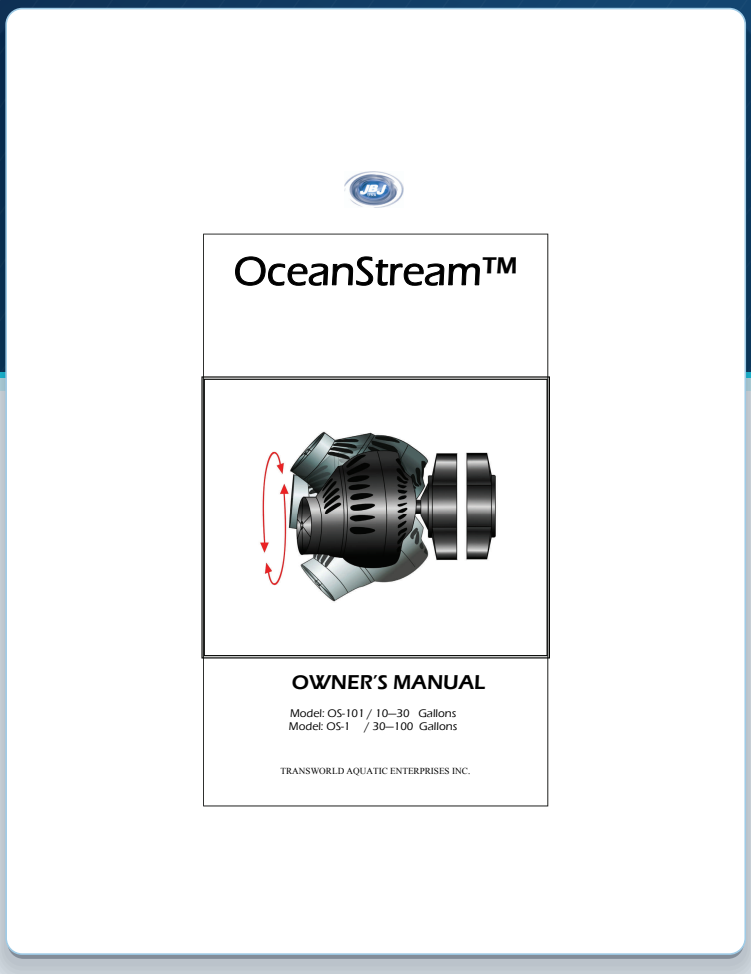
OWNER'S MANUAL

JBJ OCEANSTREAM

Wave Pumps

Wave pumps for reef tanks

OS-101 OS-1



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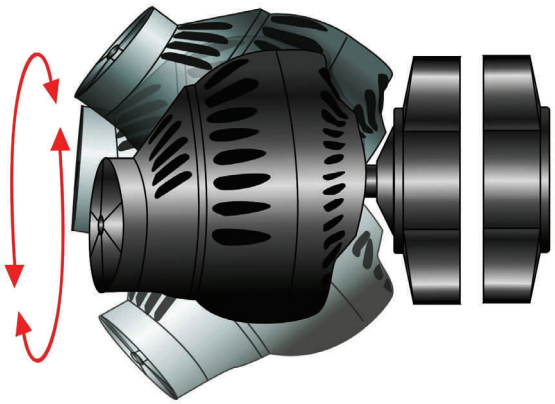

OWNER'S MANUAL

Model: OS-101 / 10—30 Gallons
Model: OS-1 / 30—100 Gallons

TRANSWORLD AQUATIC ENTERPRISES INC.

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WARNING

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

READ ALL SAFETY INSTRUCTIONS BEFORE USE.

DANGER

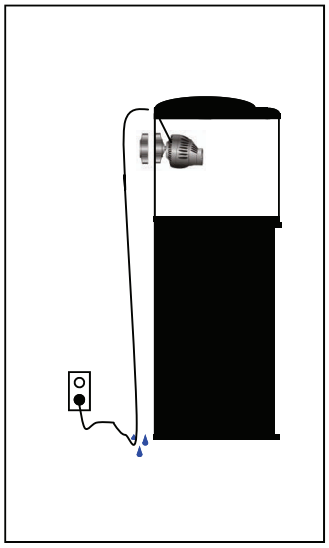
To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself: return the appliance to an authorized service facility for service or discard the appliance.

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.

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 the 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 travel along the cord and coming in contact with the receptacle. If the plug or the receptacle do get wet, DON'T unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the appliance. Then unplug and examine for the presence of water in the receptacle.



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E. Close supervision is necessary when any appliance is used by or near children.

F. To avoid injury, do not contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, and etc.

G. Always unplug an appliance from the outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank the cord to pull plug from the outlet. Grasp the plug and pull to disconnect

H. 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.

I. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.

J. Make sure an appliance mounted on a tank is securely installed before operating it.

K. Read and observe all the important notices on the appliance.

L. This Appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.

M. 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 overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

SAVE THESE INSTRUCTIONS

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CLEANING

It is important to keep this appliance clean. Always unplug the appliance before performing maintenance or cleaning of the exterior of this pump. Wipe exposed surfaces carefully with a damp terrycloth to remove any dust or mineral deposits which may collect over time. Make sure hands are completely dry before re-plugging into an electrical outlet.

SERVICING

In order to assure proper electrical connections and polarity, replacement parts and servicing should be performed only by a qualified electrician.

OPERATION

Please carefully read the entire "Owner's Manual" for proper operation procedures before proceeding with turning on this appliance and adding livestock such as fish, corals, and invertebrates.

SAVE THESE INSTRUCTIONS

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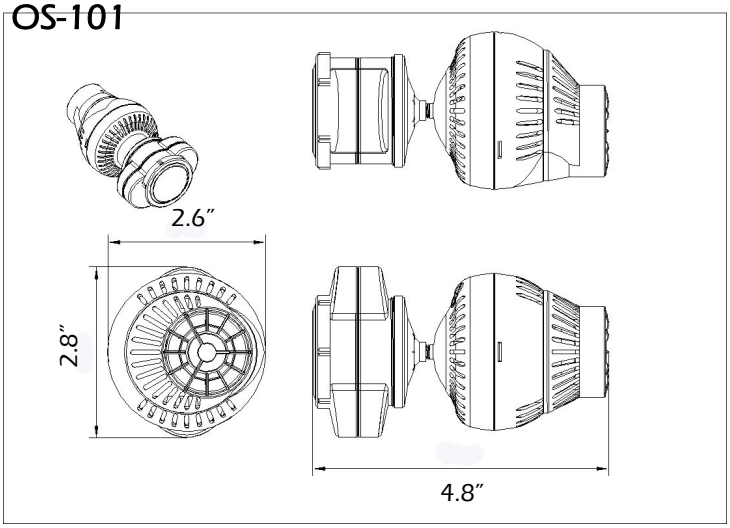
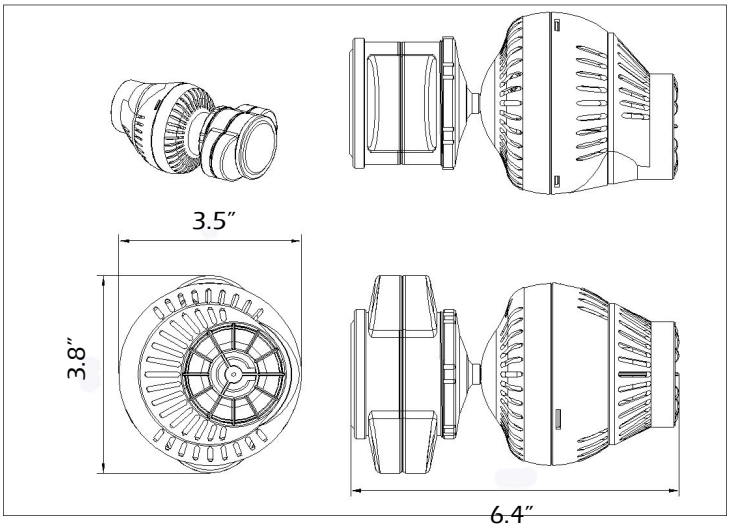
OCEANSTREAM Dimensions

PRODUCT DIMENSIONS

OS-101



OS-1



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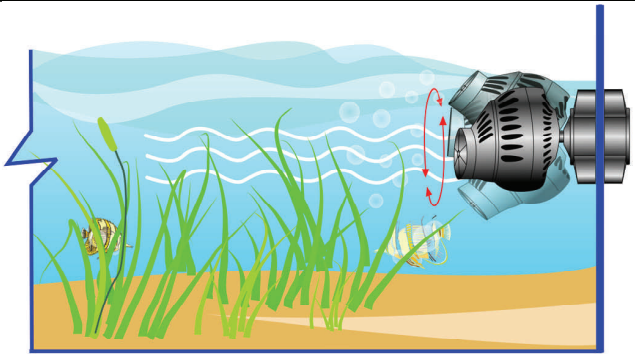

High Performance Circulation Pump

Thank you for purchasing the OCEANSTREAM™ circulation pump, equipped with magnetic holders and articulating pivot ball.

This innovative pump exhausts wide circular currents that provide gentle water movement without disturbing corals placed in its' direct path.

OCEANSTREAM™ pumps utilize a unique PaddleDisc™ impeller that diverts water to the perimeter of the housing unlike traditional propeller based pumps.

Replicating Nature

In nature, water circulation is vital for corals, fish, and invertebrates in order to achieve optimal health. Providing the proper water movement is essential for many tank inhabitants who require currents to bring food, oxygen, and remove harmful waste.

Setting multiple powerheads can simulate natural currents while eliminating dead spots in aquariums. Positioning pumps lower/higher can also allow for more natural wave cycles by producing counter currents. It is important to research what flow rates are required for specific tank mates before replicating its' environment.

It is recommended to position pumps to direct detritus and waste into the intake of filters. This small step will ensure a healthy an clean aquarium with no areas will high nutrient accumulation.

Directing the pump towards the surface will also reap great benefits by allowing for proper gas exchange between the CO2 gas saturated within the water and the Oxygen above its' surface. This will help maintain a proper pH for more stable water parameters.

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Caution: Do Not plug into electrical power source before OCEANSTREAM™ Pump is installed.

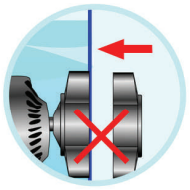
Magnetic Holders & Pivot Ball

OCEANSTREAM™ pumps include innovative magnetic holders that securely position the pump virtually anywhere in the aquarium.

The versatile pivot ball allows for 360 degree articulation to reach dead zones without ever needing to move the magnet holders.

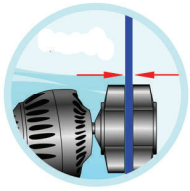
Installation into Magnetic Holders

Step 1:
Screw male threading into pivot ball



CAUTION:
Do Not allow Magnetic Holders to connect with force that may damage glass walls of aquarium.

Step 2:
Slide the Magnetic Holders for a safe connection.



Step 3:
Position Magnetic Holders below the water line

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SPECIFICATIONS

Model	OS-101	OS-1
GPH	500 GPH	1600 GPH
Volts/Hz	AC110V/60Hz	AC110V/60Hz
Power	7 Watts	23 Watts
Aquarium Capacity	30 Gallons	Up to 100 Gallons
Shaft Type	Ceramic	Ceramic
Avg. Pump Cleaning Schedule	Every other month	Every other month
Glass Thickness Magnet Holders	Up to 1/2"	Up to 1/2"
Dimensions Includes Magnet Holders	2.6" x 2.8" x 4.8"	3.5" x 3.8" x 6.4"

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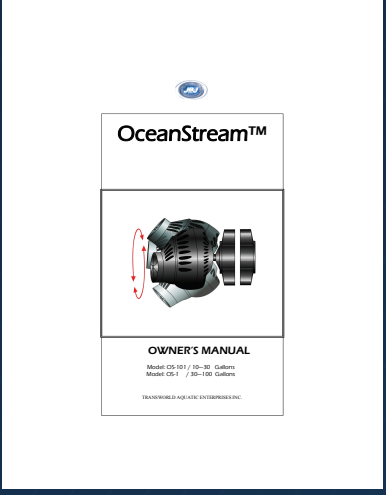

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