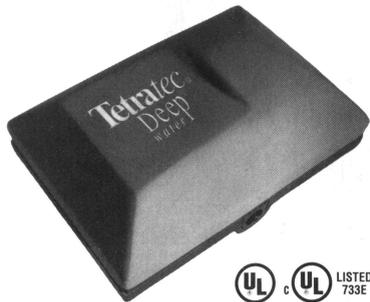


INSTRUCTIONS

Important Safeguards and Warranty

Tetrattec™

Deep Water™



For Tetrattec Deep Water Aquarium Air Pump
Models: DW 96, DW 96-2

IMPORTANT SAFETY INSTRUCTIONS

Warning - To guard against injury, basic safety precautions should be observed, including the following.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

WARNING: To avoid possible electrical shock, do not immerse pump in water. If pump falls into the water, or otherwise becomes wet, DO NOT reach for it until you have first unplugged it.

CAUTION: To prevent possible electrical shock resulting from water back-siphoning, pump should be located higher than the water level. To prevent corrosion or deterioration to materials that could lead to electrical shock, use only with fresh water.

1. 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 repairs yourself; return the appliance to Tetra/Second nature for service or discard the appliance.

Page 1

A. Do NOT immerse in water. If the appliance falls into the water, DON'T reach for it. First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.

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. 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 from traveling along the cord and coming into contact with the receptacle. A "drip loop," shown in Figure (A), should be arranged by the user for each cord connecting an aquarium appliance 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.

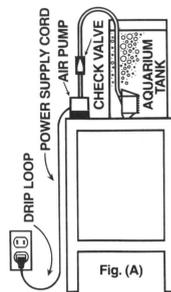


Fig. (A)

2. Close supervision is necessary

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when any appliance is used by or near children.
3. Always unplug an appliance from an outlet when not in use. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.

4. 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.

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

6. Read and observe all the important notices on the appliance and in the product literature.

7. 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 total of the various appliance ratings may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

8. 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.

9. This appliance has no user-serviceable parts.

SAVE THESE INSTRUCTIONS

Page 3

CONGRATULATIONS!

You have acquired a *Tetrattec Deep Water* aquarium air pump. Whether you're an experienced aquarium hobbyist, or you're just starting out, you'll appreciate the many engineering innovations that combine to make the *Tetrattec Deep Water* aquarium air pump unsurpassed in technology and design.

So that you may enjoy your new *Tetrattec Deep Water* aquarium air pump to the fullest, please take a few moments to read these instructions and become familiar with the installation procedures. Be certain to read the "SAFETY INSTRUCTIONS" on the pages 1, 2 and 3 before using your *Tetrattec Deep Water* aquarium air pump.

Page 4

Two Ways to Install Your Tetrattec Deep Water Air Pump

1. Place the *Tetrattec Deep Water* aquarium air pump on a surface lower than the water level of the aquarium. To avoid damage from accidentally spilled water, do not place the *Tetrattec Deep Water* aquarium pump directly below the aquarium. Important: Always use a Whisper Check Valve in the air line between the *Tetrattec Deep Water* aquarium air pump and the aquarium. In the event of a power failure, or when removing filters from the aquarium, the Check Valve will help prevent water from siphoning into the pump. Your dealer has Check Valves in stock.

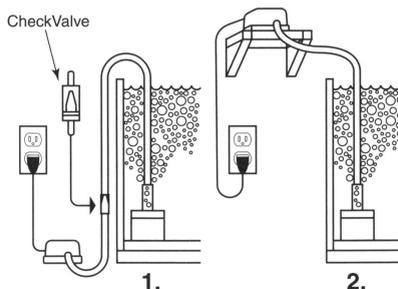
— OR —

2. Place the *Tetrattec Deep Water* aquarium air pump on a shelf at least 12 inches higher than the water level of the aquarium, but not directly above the aquarium. The shelf should have a raised edge to prevent the *Tetrattec Deep Water* aquarium air pump from sliding off.

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Note:

For use with salt water aquariums, place the *Tetrattec Deep Water* aquarium air pump on a shelf as described in page 2 above, and use a Whisper Check Valve.



Customizing Your Installation With Whisper Valves.

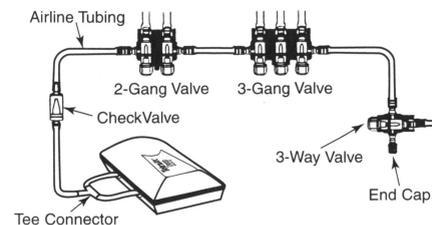
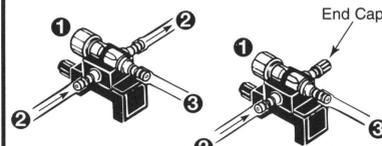
Your *Tetrattec Deep Water* aquarium air pump is powerful as well as quiet. Depending on the size and depth of your aquarium(s), you can power several airstones and filtering devices with one *Tetrattec Deep Water* aquarium air pump.

Page 6

How Air Control Valves Work

Knob ① regulates air flow to nozzle ③. On 3-way valves air can flow through outlet ② unimpeded.

A 3-way valve with END CAP is for use at the end of the line.



You can customize the installation by routing air from the *Tetrattec Deep Water* air pump to different tanks, filters, airstones and air operated ornaments.

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Directions

Plug into 110/120V AC outlet only. Be sure to allow for a "Drip Loop".

See page 2 Fig. (A)

Attach one end of airline tubing to air outlet(s) on your *TetraTec Deep Water* air pump. Attach other end of airline tubing to filter(s) airstone(s) or air operated ornament(s). Pump is now ready to plug in.

Pump Reaches Normal Operating Efficiency After Several Hours. Before Installing Read "IMPORTANT SAFETY INSTRUCTIONS" On Page 1.

Caution: To prevent back siphoning when removing filter(s), airstone(s) or air operated ornaments from aquarium, do the following. (1) Install a Whisper CheckValve. (2) Leave pump running. (3) Remove end of tubing from pump nozzle and tape this end to the very top frame of the aquarium, then you can safely remove your filter(s), airstone(s) or air operated ornaments from the aquarium.

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TetraTec™
Deep water™
Replacement DIAPHRAGMS

TetraTec Deep Water replacement diaphragms are inexpensive and easily installed. They come with complete, easy-to-follow instructions. If desired, most dealers will install them for a nominal charge. Your dealer has replacement diaphragms in stock.

29522 – *TetraTec* DW-96 Diaphragm

29524 – *TetraTec* DW-96-2 Diaphragms

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The Whisper CheckValve shown in the illustration on page 6 allows you to more safely keep your pump on the floor. It helps stop water from siphoning into your air pump in case of an electrical power failure or when removing filters from aquariums.

Loss of Air Flow: Apparent air flow loss is usually caused by clogged airstones. If you notice a diminished air flow, try blowing through the airstone yourself. If this is difficult, replace the airstone.

Tips: (1) If you replace the airstones in your filter(s) regularly, you do not have to be concerned about loss of air due to clogged airstones. (2) Loss of air pumping action is most often caused by a clogged airstone. Check your airstone by sucking a small amount of water into the air stone. If you cannot blow it back through, neither can your pump.

Cleaning: Use only a damp cloth and mild detergent on the outside of the pump.

Lubrication: Pump mechanism never needs oil.

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TetraTec™
Deep water™
Replacement PARTS KITS

For the "do-it-yourself" hobbyist and dealer. The *TetraTec Deep Water* parts kits contain all the replacement parts necessary to keep your *TetraTec Deep Water* aquarium air pump in top operating condition. Your dealer has them in stock.

29521 - *TetraTec* DW-96 Replacement Parts Kit

29523 - *TetraTec* DW-96-2 Replacement Parts Kit

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LIFETIME LIMITED WARRANTY

TetraTec Deep Water air pumps are manufactured under exacting quality standards. Whether you're an experienced aquarium hobbyist, or you're just starting out, you'll appreciate the many innovations that make *TetraTec Deep Water* air pumps unsurpassed in deep water technology and design.

Our dedication to quality and dependability makes it possible to offer a Lifetime Limited Warranty on all non rubber parts of our *TetraTec Deep Water* air pumps. We guarantee our pumps to be free from defects in material and workmanship under normal use and service for as long as you own your pump. We will replace or repair defective parts free of charge when the complete pump is returned postage paid. Please include \$5.00 to cover shipping and handling.

If you have any problems with this product or questions under the warranty, our Consumer Support Staff is ready to assist you. Please call our consumer support number.

Tetra/Second nature

Consumer Support Service (800) 526-0650

3001 Commerce St., Blacksburg, VA 24060-6671

www.tetra-fish.com

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Second nature® Whisper® CheckValve



Air flows freely to your aquarium

Helps prevent water from siphoning into your pump.

Now you can more safely keep your pump on the floor.

Helps prevent the water from siphoning into your aquarium air pump in the event of an electrical power failure or when removing filters, airstones or air operated ornaments from aquariums.

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5 Deep Water® Models

Depth	DW12	DW18	DW24-2	DW 96	DW96-2
12"	2	4	6	7	12
18"	1	4	6	7	12
24"	1	3	5	6	10
36"		2	4	6	10
48"		1	3	5	8
96"			1	2	3

Which model is right for you...

Find the depth of your aquarium on the chart above. After finding your aquarium depth, look across for the number of air devices you plan to use in your aquarium, this will determine the model number that is ideal for your needs.

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