

Submersible Pump Instruction

Models HWG35, HWG55, HWG75, HWG110 and HWG150

INSTRUCTIONS FOR USE

- 1) This pump should be fully submerged in water to keep it cool during operation.
- 2) Place the pump in area where there is good water circulation.
- 3) If your model pump includes a sponge prefilter, periodically remove it and wash thoroughly in fresh water. A blocked foam cartridge will reduce pump flow rate.
- 4) Ensure that the pump unit is cleaned regularly; the water flow from the output of the pump usually slows down when the impeller needs cleaning.
- 5) Clean the impeller at least once per month. The impeller is situated inside in the pump housing and can be accessed by holding the pump body and rotating the impeller cover and pulling away from the main body.
- 6) When disassembling the impeller, please ensure that you do not lose the small plastic washers positioned at the top and bottom of the impeller. These washers ensure quiet and efficient operation of the pump.
- 7) Clean the impeller and the housing in fresh water with cotton swabs to remove all accumulated debris and reassemble.
- 8) If impeller is badly worn, replace it.
- 9) This pump does not require lubrication.
- 10) Never lift the pump by the power cable.
- 11) Never let the pump run dry.
- 12) The electric supply cord to the pump must be connected to a ground fault circuit interrupter.
- 13) This pump should never be used in a swimming pool, swimming pond or other situations where persons can make bodily contact with the water. Always disconnect the power before cleaning the pump or carrying out pump or pond maintenance.
- 14) Do not allow the pump to freeze up in the winter. Remove the pump from the pond, rinse it with fresh water and store it dry in a frost free place .

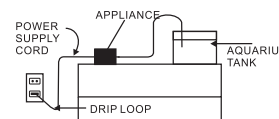
IMPORTANT SAFETY INSTRUCTIONS

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

A) READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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

- i. If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source. (Submersible equipment only)
- ii. Carefully examine the appliance after installation. It should not be plugged in it if there is water on parts not intended to be wet.
- iii. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
- iv. 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 below, 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 traveling along the cord and coming in contact with the 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.



- B) Close supervision is necessary when any appliance is used by or near children.
- C) To avoid injury, do not contact moving parts or hot parts such as heater, reflectors, lamp bulbs, and the like.
- D) Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from Outlet. Grasp the plug and pull to disconnect.
- E) 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.

- F) Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
- G) Make sure an appliance mounted on a tank is securely installed before operating it.
- H) Read and observe all the important notices on the appliances.
- I) 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.
- J) This appliance has no user serviceable parts.

K) SAVE THESE INSTRUCTIONS

CAUTION

THERMALLY PROTECTED ENCLOSURE TYPE 3 FOR INDOOR AND OUTDOOR USE THIS PUMP HAS BEEN EVALUATED FOR USE WITH WATER ONLY.

WARNING

RISK OF ELECTRIC SHOCK - THIS PUMP HAS NOT BEEN INVESTIGATED FOR USE IN SWIMMING POOL OR MARINE AREAS.

TO REDUCE RISK OF ELECTRIC SHOCK, CONNECT ONLY TO A PROPERLY GROUNDED, GROUNDING-TYPE RECEPTACLE. TO REDUCE THE RISK OF ELECTRIC SHOCK, INSTALL ONLY ON A CIRCUIT PROTECTED BY A GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI).

RISK OF ELECTRIC SHOCK - THIS PUMP IS SUPPLIED WITH A GROUNDING CONDUCTOR AND GROUNDING-TYPE ATTACHMENT PLUG.

TO REDUCE THE RISK OF ELECTRIC SHOCK, SEE INSTRUCTION MANUAL FOR PROPER INSTALLATION

INSTALLATION INSTRUCTIONS

CAUTION

This Pump Has Been Evaluated For Use With Water Only

WARNING

To Reduce The Risk Of Electric Shock, Use Only On Portable Self Contained Fountains.