

SAVE THESE INSTRUCTIONS

WARNING - TO REDUCE THE RISK OF ELECTRIC SHOCK, INSTALL ONLY ON A CIRCUIT PROTECTED BY A GROUND-FAULT-CIRCUIT-INTERRUPTER (GFCI).

WARNING - TO GUARD AGAINST INJURY, BASIC SAFETY PRECAUTIONS SHOULD BE OBSERVED, INCLUDING THE FOLLOWING:

A) READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

B) DANGER - TO AVOID POSSIBLE ELECTRIC SHOCK, SPECIAL CARE SHOULD BE TAKEN SINCE WATER IS EMPLOYED AND INTENDED FOR FOUNTAINS, WATERFALLS, AND PONDS. 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. IF THE APPLIANCE SHOWS ANY SIGN OF ABNORMAL WATER LEAKAGE, IMMEDIATELY UNPLUG IT FROM THE POWER SOURCE. DO NOT OPERATE ANY APPLIANCE IF IT HAS DAMAGED CORD OR PLUG, OR IF IT IS MALFUNCTIONING OR HAS BEEN DROPPED OR DAMAGED IN ANY MANNER.

C) CLOSE SUPERVISION IS NECESSARY WHEN ANY APPLIANCE IS USED BY OR NEAR CHILDREN.

D) DO NOT OPERATE THE HEATER WITHOUT WATER. UNPLUG BEFORE REMOVING FROM THE POND.

E) DO NOT OPERATE THE APPLIANCE WITH A DAMAGED CORD OR PLUG.

F) ALWAYS UNPLUG AN APPLIANCE FROM AN OUTLET WHEN NOT IN USE. DO NOT USE THE CABLE TO REMOVE THE ICE VENT FROM THE POND. NEVER YANK CORD TO PULL PLUG FROM OUTLET. GRASP THE PLUG AND PULL TO DISCONNECT.

G) DO NOT USE AN APPLIANCE FOR OTHER THAN INTENDED USE.

H) READ AND OBSERVE ALL THE IMPORTANT NOTICES ON THE APPLIANCE.

I) DO NOT CONNECT TO ANY VOLTAGE OTHER THAN SHOWN ON THE ICE VENT.

J) ENSURE THAT THE POWER SUPPLY CORD LOOPS BELOW THE ELECTRICAL OUTLET TO FORM A "DRIP LOOP". THIS WILL PREVENT WATER FROM RUNNING DOWN THE CORD INTO THE ELECTRIC OUTLET.

FOR INDOOR AND OUTDOOR USE IMPORTANT SAFETY INSTRUCTIONS

WARNING - TO PREVENT POSSIBLE ELECTRIC SHOCK RESULTING FROM WATER BACK-SIPHONING, PUMP SHOULD BE LOCATED HIGHER THAN WATER LEVEL. THIS PUMP IS SUPPLIED WITH A GROUNDING PLUG.

WARNING - RISK OF ELECTRIC SHOCK - THIS PUMP IS SUPPLIED WITH A GROUNDING CONDUCTOR AND GROUNDING TYPE ATTACHMENT PLUG. TO REDUCE THE RISK OF ELECTRIC SHOCK, BE CERTAIN THAT IT IS CONNECTED ONLY TO PROPERLY GROUNDED, GROUNDING-TYPE RECEPTACLE.

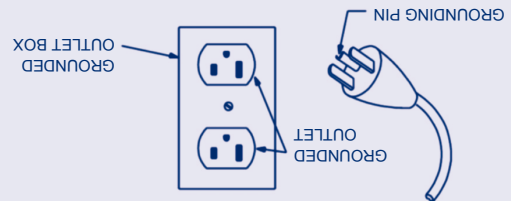
THIS PRODUCT MUST BE GROUNDED. IN THE EVENT OF AN ELECTRICAL SHORT CIRCUIT, GROUNDING REDUCES THE RISK OF ELECTRIC SHOCK BY PROVIDING AN ESCAPE WIRE FOR THE ELECTRICAL CURRENT. THIS PRODUCT IS EQUIPPED WITH A CORD HAVING A GROUNDING WIRE WITH AN APPROPRIATE GROUNDING PLUG. THE PLUG MUST BE PLUGGED INTO AN OUTLET THAT IS PROPERLY INSTALLED AND GROUNDED IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.

WARNING - IMPROPER INSTALLATION OF THE GROUNDING PLUG IS ABLE TO RESULT IN A RISK OF ELECTRIC SHOCK. WHEN REPAIR OR REPLACEMENT OF THE CORD OR PLUG IS REQUIRED, DO NOT CONNECT THE GROUNDING WIRE TO EITHER FLAT BLADE TERMINAL. THE WIRE WITH INSULATION HAVING AN OUTER SURFACE THAT IS GREEN WITH OR WITHOUT YELLOW STRIPES IS THE GROUNDING WIRE.

CHECK WITH A QUALIFIED ELECTRICIAN OR SERVICEMAN WHEN THE GROUNDING INSTRUCTIONS ARE NOT COMPLETELY UNDERSTOOD, OR WHEN IN DOUBT AS TO WHETHER THE PRODUCT IS PROPERLY GROUNDED. DO NOT MODIFY THE PLUG PROVIDED, IF IT DOES NOT FIT THE OUTLET, HAVE THE PROPER OUTLET INSTALLED BY A QUALIFIED ELECTRICIAN. ACCEPTABLE FOR OUTDOOR USE AND PROTECTED FROM SNOW AND RAIN, IMMEDIATELY ADJACENT TO THE LOCATION WHERE THE HEATER WILL BE USED. THIS PRODUCT IS FOR USE ON A NOMINAL 120-V CIRCUIT AND HAS A GROUNDING PLUG SIMILAR TO THE PLUG ILLUSTRATED IN SKETCH AS BELOW. ONLY CONNECT THE PRODUCT TO AN OUTLET HAVING THE SAME CONFIGURATION AS THE PLUG. DO NOT USE AN ADAPTER WITH THIS PRODUCT.

THIS APPLIANCE HAS A POLARIZED PLUG (ONE BLADE IS WIDER THAN THE OTHER). TO REDUCE THE RISK OF ELECTRIC SHOCK, THIS PLUG IS INTENDED TO 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.



GROUNDING INSTRUCTION



Congratulations on buying a Pennington® Aquagarden Ice Vent pond heater.

The Ice Vent pond heater has been specially designed for water gardening applications incorporating innovative energy-saving technology. So you can be assured of winter protection for your fish and aquatic life.

BENEFITS OF AN ICE VENT POND HEATER

Ponds do not need to be heated or ice-free during cold weather. However, it is essential to retain an ice-free area on the pond's surface to allow toxic gases to leave and for life-giving oxygen to get in. The Ice Vent pond heater is specifically designed to retain an ice-free zone (vent) that supports fish and aquatic life in the pond through the coldest times of the year.

Ice vent pond heater utilizes a unique heat convection design. This means the Ice Vent requires the minimum of energy to maintain an ice-free vent in temperatures as low as minus 20°F.



IMPORTANT: PLEASE ATTACH PROOF OF PURCHASE TO THIS MANUAL AND FILE IN A SAFE PLACE



ice vent pond heater



UNIVERSAL

For ponds up to 1200 gallons

Please visit www.penningtonaquagarden.com for helpful hints, tips, how-to videos and spares

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ELECTRICAL INSTALLATION

ELECTRICAL SAFETY INFORMATION:

Switching On: Connect the unit to the mains. The unit switches on immediately.

Switching Off: Disconnect the unit from the mains.

Note: The heater has thermostatic temperature control. The heater will heat and then cool intermittently during normal operation. The heater will not turn off when temperatures are above freezing. It should be disconnected when the danger of freezing weather has passed. Store indoors when not in use. Inspect the cable before using.

Turning off and unplugging the ice vent once the risk of frost has diminished, will lower energy consumption, leading to cost savings and contributing to environmental preservation. Furthermore, this simple action will extend the longevity of the product.



WARNING - The electric cord is permanently connected and sealed in the float body. If the supply cord is damaged the Ice Vent must not be used. Do not use the supply cord to lift the Ice Vent as this may cause damage.

Route the supply cord and locate the heater to be protected from damage by livestock. Do not use extension cords. Unplug the heater at the receptacle outlet when not in use or before maintenance

Do not use the product in swimming pools or areas where people are in contact with the water. Always disconnect the power supply whilst the equipment is being installed or maintained.

TECHNICAL SPECIFICATION

| Ice Vent Pond Heater | |
|----------------------|--------------|
| Cable length | 15 feet |
| Power input | 120v / 60Hz |
| Power Consumption | 100 Watts |
| Weatherproof rating | IPX8 |
| Maximum pond volume | 1200 gallons |

The Ice Vent pond heater is an ideal option for ponds with a volume of up to 1200 US gallons. However, for larger ponds, it is recommended to use multiple Ice Vent pond heaters to ensure effective protection during freezing weather.

TROUBLESHOOTING

The Ice Vent pond heater is not hot when on

Ice vent pond heater uses low-temperature heating cables within the base of the float to create a "warm" water zone within the centre area of the float only. The Ice Vent may not feel "hot" but is still operating correctly. The heater uses thermostatic temperature control. This causes the heater to intermittently turn on and off automatically. The frequency of power usage (thermostat turns the heater elements on/off) is dependent on the ambient water and air temperatures.

The Ice Vent does not turn off / cool down

The Ice Vent may not feel "cool" but is still operating correctly. The heater uses thermostatic temperature control. This causes the heater to intermittently turn on and off automatically. The heater will not fully cool before the thermostat turns the heating elements on again. The frequency of power usage (thermostat turns the heater elements on/off) is dependent on the ambient water and air temperatures.

The heater will not turn off in above-freezing temperatures. Once the danger of ice has passed, the heater should be turned off and stored in a safe space for the following season.

The central area of the Ice Vent float is not free of ice

- Check that the power supply is on.
- Check fuses and wiring.

Allow 24 hours once the heater is turned on for the heater to maintain an ice-free area. If the temperatures are below minus 20°F the Ice vent may not be able to maintain an ice-free area as this is the lowest temperature that the heater is designed to successfully operate continuously.

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INSTALLATION

LOCATING YOUR ICE VENT POND HEATER



WARNING - Never operate the heater out of water for prolonged periods of time, as this may cause irreparable damage. When not floating on water, turn it off and unplug it. Never submerge the Ice Vent. Always operate the correct way up with the blue float at the bottom. It may be necessary to clear excess snow and ice from the top of the Ice Vent in prolonged severe conditions to maintain its buoyancy.

The Pennington® Ice Vent Pond Heater has been designed to be weatherproof, so it can be installed in a range of outdoor situations safely.

From a position that is safely accessible, float the Ice Vent on the surface at arm's length from the edge of the pond (close to the deepest part of the pool if possible). It does not need to be in the middle, or the deepest part of the pond to work effectively.

IMPORTANT - Never walk on thin ice or overreach to access the pond.

Ideally, position the heater prior to freezing weather. If the pond is frozen, create an ice-free area using warm water. Do not use the Ice vent to break the ice, or forcefully crack the ice as this will stress the fish. Do not position on top of the ice. The heater must be floating evenly in the water to operate correctly.

FAULTS - PROBLEMS PROCEDURE

Before returning your Ice Vent to your retailer or contacting our Consumer Advice Department, please carry out the following steps. This will solve most problems quickly and easily.

1. Ensure electrical procedure has been followed fully. Check fuses and any cable connectors or switchboxes.
2. Follow the troubleshooting options (above).
3. Return Ice Vent to point of purchase for inspection and advice (proof of purchase may be required).

Please visit www.penningtonaquagarden.com for helpful hints, tips, how-to videos and spares.

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GUARANTEE

This product is guaranteed against defects in material and workmanship for 2 years from the date of purchase, under normal usage. **The guarantee DOES NOT APPLY in case of improper use, negligence, or accidental damage of the Ice Vent.**

If the Ice Vent fails due to a manufacturing fault within this period it will be either repaired or replaced free of charge. Liability is limited to replacement of the faulty product only, no other costs will be reimbursed.

This guarantee is not transferable and does not affect your statutory rights. This guarantee does not confer any rights other than those expressly set out above.

CONSUMER ADVICE CONTACT DETAILS

Pennington, 1280 Atlanta Hwy., Madison, GA 30650

Tel: 1-800-285-7333 www.PenningtonAquagarden.com



Environment friendly disposal

You can help protect the environment. Please remember to respect the local regulations by handing in non-working electrical equipment to an appropriate waste disposal centre.