

About your Pond De-Icer

- A pond de-icer is designed to keep open a vent hole in the ice to release the harmful gasses from underneath. Even the smallest of holes will suffice. By allowing your pond to completely freeze over during the winter months, the harmful gases produced by fish waste and plant decay cannot escape the ice, becoming deadly to your costly fish and plants.
- The Models P-418, PS-200, and P-429 are intended for use in ponds of 600 gallons or less. A pond larger than 600 gallons will require the use of two de-icers tied together to act as one. The Model P-500 is intended for ponds of 50 gallons or less.
- De-icers must be protected from the wind. The wind steals the heat faster than the de-icer can put it off. If not protected from the wind, a de-icer will not function to its fullest capabilities. See other side for helpful hints on wind barriers.
- Placement of the de-icer is critical. Place your de-icer at the edge of your pond, touching the liner, in the shallowest area. The de-icer is “safe in plastic and rubber” and will not harm the pond or liner. This will enable the unit to operate more efficiently by reflecting heat off the side of the pond or liner. DO NOT drag a submersible de-icer along the bottom of your pond as its legs may snag and damage the liner.
- Keep your de-icers heating element clean of mineral build-up, such as lime. Lime build up is the leading cause of de-icer failure and will void the warranty if the unit is not properly cleaned and maintained.
- Never try to repair your de-icer yourself for this will void the warranty. Call us first at **1-800-277-8401** should you have any concerns or questions.

Trouble shooting for your Pond De-Icer

Please do not assume the de-icer is defective if it should not perform to your expectations. Please see “**Air Test**” below. This test is the **only** way to tell if a de-icer is truly defective or not.

Eliminate the harmful effects of the wind: Build a “wind barrier” for the de-icer. We recommend placing a sheet of plywood covering the corner of the pond with the de-icer positioned underneath. Be careful to not completely cover the pond as to not allow the toxic gases to escape.

Keep the de-icer clean of lime build-up. Lime build-up will “smother” the de-icer, which will not allow the heat to escape thus making it work less effectively. White vinegar or Lime-Away used with a brush can be utilized to remove the lime. The cleaner your de-icer is, the more efficiently it will perform and the longer it will last.

Watch your power supply. Low power, extension cords or defective housing wires will greatly reduce the effectiveness of any de-icer.

Before returning your de-icer for a warranty claim, first perform the “**Air Test**” to verify it is truly the de-icer that is malfunctioning. Place the de-icer in the freezer for one hour. Take it out of the freezer and plug it in. If it heats up, it is working perfectly fine and to its fullest capacity. Should your de-icer pass this test, review the above trouble shooting techniques to correct the performance problems.

Save on Electricity Costs with the ThermoCube!!

To save electricity in larger ponds, purchase the ThermoCube, Model TC-3. It will pay for itself in the first months of usage in energy savings. It is a thermostatically controlled outlet designed to operate based on air temperature. Plug your de-icer into the TC-3 and it will cut the power to your de-icer when the air temperature reaches 45 degrees. (Much sooner than your water will reach 45 degrees). The Model TC-3 can be ordered by calling 1-800-277-8401.