

Ice Probe®

(Part No. AE9)



The Coolworks Ice Probe®, uses advanced thermoelectric technology to directly convert electricity into cooling power. A unique, patented design, based upon Peltier's Principle, makes it a highly efficient miniature heat pump.

The durable, aluminum probe is coated with an FDA-approved epoxy, so it is ideal for miniature aquariums, bait tanks, bioassay research, hydroponics and potable water systems. The unit is capable of cooling 10 gallons of water 20°F below ambient temperature in an insulated tank.

Probes can be mounted through the side of a tank, using the molded bulkhead kit included, or they can be immersed (probe end only!). Weighing only 2 lbs, each Ice Probe®, includes a separate 12VDC power supply and draws 50 watts.

1. Unpack the Ice Probe® and inspect for any damage. There are two components: a) the Ice Probe® with cooling fan; and b) the 12VDC power supply.
2. The Ice Probe® is designed to be inserted into a tank or container using the molded bulkhead attachment provided. The hole size required for probe insertion is 1 1/4" diameter. The probe includes two gaskets; the larger gasket covering the foam is placed outside the tank; the black gasket is placed inside the tank. Only the white probe end has been designed for immersion. The aluminum foil end should not get wet at any time!
3. For installation, simply slide the probe end through the hole, put the gasket onto the probe and hand-tighten the bulkhead. Tools are not required for sealing the probe.

It is highly recommended to use a temperature controller with the Ice Probe®. For operation, simply plug the power supply to the probe. The probe and the cooling fan will turn on automatically. DO NOT block the air intake or outflow from the cooling fan, as blocking the airflow can cause the probe to heat instead of cool.



AQUATIC ECO-SYSTEMS™