

# MAINTENANCE

## GENERAL

The Aqua Control products do not require yearly maintenance of the motors or pumps. The motors should never be opened for maintenance and doing so will void the factory warranty.

**SUCTION SCREEN CLEANING:** Routine cleaning of the suction screen is required to assure adequate water flow past the motor to cool it during operation. If the screen becomes fouled with debris the motor can overheat and the spray pattern can be diminished. The mooring and anchoring installation instructions suggest a trip rope for the vertical units so the suction screen can be lifted to the surface of the water for cleaning. The suction screens on the horizontal units are close to the water's surface to make them easy to reach. A stiff bristled household cleaning brush can be used to remove any debris.

**LIGHT LENS CLEANING:** The light lenses should be cleaned frequently to prevent algae and dirt buildup on them. Buildup dims the amount of light that comes through the lenses and can cause them to overheat as well. If rock guards are used on the lights, the lights should be monitored more frequently for algae buildup.

## FREEZING WEATHER REMOVAL

1. Disconnect the motor from the cable or cut the cable at the splice.
2. Store in a heated area that will not freeze.
3. Store with the shaft end of the motor inclined up. If a vertical unit is resting on the float and on the bottom of the lower tube, the angle will be satisfactory. Do not rest the unit on the lights or light brackets.
4. The underwater cable should not be left on the ground since it could easily be damaged when brittle from cold weather. Re-immers the cable so it below the ice and away from shore traffic.
5. Protect the cable connector in the water by using the winter cap that came with the unit.

## WINTER OPERATION

**SAFETY ADVISORY!** If winter activities occur on the lake, operation of a unit during the winter will compromise the thickness and stability of the ice that develops around the perimeter of the open water and could create a safety hazard for anyone on the ice.

**WARRANTY DISCLAIMER:** Many variables must be considered before deciding to operate a Select Series 2 Vertical Aerator or Titan Fountain (never a Select Series 2 Fountain or Horizontal Aerator) during the winter. These variables include but are not limited to the depth of the lake, overall size of the lake, climate variation, predictability of cold, and loss of power in winter conditions. Aqua Control does not warrant any damage incurred during winter operation, even if the following guidelines are followed.

## MARGINALLY FREEZING WEATHER

If the surface of the pond does not normally freeze solid then continued winter operation of either aerators or fountains is seldom a problem.

1. During a cold snap, it may be necessary to shut the unit off to prevent ice accumulation on the float, which could cause the unit to tip. If the unit tips and has lights, some of the lights could come out of the water, possibly allowing them to break or leak from overheating. It might also allow the gasket to freeze and water could leak into the fixture.
2. To be certain that operation with a nozzle does not create a large mound of ice which could cause the aerator to roll over and result in motor or light damage, simply remove the nozzle and let the water gush out to provide circulation of the warmer deep water up to the surface.
3. Do not remove the head or the unit will slip through the float and sink to the bottom.