

## Winterization of Controllers

### Pools that drain during the winter

#### Controllers In Temperature Controlled Rooms

- Unplug controller from power source
- Isolate Controller by Isolation Valves
- Keep probes in probe housing.
- Check on probes once a month to make sure they are staying wet. \*If water starts to evaporate, add water to probe housing.
- Keep controller installed at original location.
- Remove tubing if exposed to elements and may freeze.



#### Controllers Not In Temperature Controlled Rooms

- Unplug the controller from power source
- Isolate controller by isolation valves
- Remove Supply and return lines from connections
- Remove controller from wall and store in temperature controlled location.
- Probes 1- Keep in probe casing as long as water is kept in probe casing. 2- Remove probes from controller and store in a container where the tip is always submerged.  
\*a mixture of salt and water can be used to store probes.
- Remove all tubing and store in temperature controlled area.



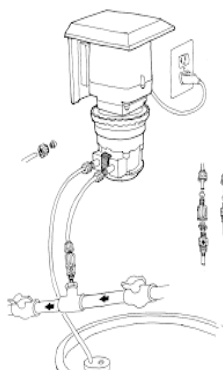
**Keep Probes wet at all times!**

**Check on probes and equipment often during the winter.**

**Probes and equipment should be stored at least 72°F.**

**Make sure to empty, clean, rinse, and dry out filter baskets, flow cell, and any housing not holding probes. Make sure to empty sample tubes.**

#### Winterization of Stenner Pumps



- Remove the Stenner tube inside of the Stenner Pump. Clean, rinse and dry and store.
- Stenner tubing (black/clear) should be removed from stenner and pool pipe rinsed out and stored. This is not needed if tubing is drained and indoors.
- Injectors should be removed from pipe, cleaned and stored.
- Store Stenner and Stenner parts in climate controlled room.

#### Winterization of Cal Hypo Feeders

- Once Water is drained from pool and pipes, Shut off inlet valve to feeder at venturi.
- Clean venturi and check valves.
- Close off inlet and outlet off of venturi
- Remove tubing from both sides of venturi on pipe, wash and store.
- Remove tubing from base of hopper and the inlet feeder, wash and store.
- Clean hopper, sprayers, grid, and remove any build up at bottom of hopper.
- Store all parts, hopper, tubing in climate controlled room.
- Check to make sure no water is left in booster pump or venturi that can freeze during the winter.

**Call VivoAquatics Support if you have any questions**

## Winterization of Controllers

### Pools that close but do not drain

- Keep controllers working as normal. Install space heater near controller if temperature stays below freezing.
- Make sure not to dump chemicals into the pool without isolation of controller.
- Do not raise chlorine over 10ppm without isolation of controller.
- Make sure pump runs at all times.
- Lower set points if needed.
- Continue to make sure the pool is clear from leaves, dirt, debris. These items will stain the bottom of the pool if left for long periods of time.
- Check on controller and chemical pumps often during winter.

**Pools still need to be tested and balanced during the winter!**

#### Pool chemicals during the winter:

- Store in a cool, dry place away from sunlight.
- Keep out of reach of children and pets.
- Store products in the original containers.
- Be sure your storage area is well ventilated. Vapors may build up inside containers.
- Never store oxidizers and acids near each other. Oxidizers will release chlorine gas if they come in contact with acids.
- Do not store liquids above powders or solids. Do not stack containers.
- Do not store pool chemicals near gasoline, fertilizers, herbicides, grease, paints, tile cleaners, turpentine, or flammable materials.
- While pool chemicals are less sensitive to cold temperatures than too hot, most will lose some of their potency if they freeze.

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