



WINTERIZING PROCEDURES FOR AQUACAL HEAT PUMPS **-CUPRONICKEL MODELS ONLY-**

CAUTION !

Failure to heed the following can result in damage to equipment.

Failure to properly winterize heat pump may result in serious equipment damage. Freeze damage is not covered under the heat pump warranty.

Light-Freeze Conditions

(Air temperature does not remain below 32°F for more than 4-hours)

In the event that your heater will not be used for an extended period, it is recommended that pool water be allowed to circulate through the heater during normally scheduled filtration cycles. If light freeze conditions are expected, adjust water pump controls for continuous operation throughout the light freeze episode. Moving water will not freeze under light-freeze conditions

Hard-Freeze Conditions

(Air temperature remains below 32°F for more than 4-hours)

WARNING !

Failure to heed the following may result in injury or death, and/or equipment damage.

Before proceeding, ensure that the electrical power to the heat pump is disconnected, and water circulation pump(s) are turned off and cannot re-start automatically.

Step 1:

Disconnect the water supply and discharge pipes at the heat pump, allowing any water present to drain from the heater water connections.

Step 2:

With the heater isolated from the supply and return lines of the pool, place a garden hose into the Water Inlet of the heater; wrap and hold a clean rag around the garden hose—sealing the hose to the inlet—and turn on the garden hose water supply. Allow water to push through the heater for 2-3 minutes; fresh water should be seen exiting the Water Out port. After flushing is complete, shut off the water supply and remove the water hose.

Winterizing Procedures for Cupronickel Heat Pumps...Continued:

Step 3:

Using compressed air at approximately 50 psig, and installing the air line into the Water Inlet port of the heater (sealed with a clean rag), allow compressed air to be forced through the heater, pushing all water from the heater water circuit. The residual water should be forced out of the Water Out connection. Allow the compressed air to blow into the heater inlet for at least 15 – 20 seconds after water stops coming out of the water outlet.

Step 4:

If installation is equipped with screwed unions, reconnect heater water in and out connections a few threads. This will permit any condensation formed to drain, but will restrict the entry of vermin and large insets. If screwed unions are not present, cover the ends of plumbing with plastic wrap; hold in place with tie wraps or other suitable means.

Step 5:

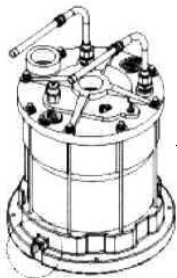
During heater lay up, to prevent leaves, snow, and other debris from falling into the heater through the fan grill, a cover is suggested. This cover should be allowed to completely envelop the fan grill, and fan cabinet top. Closing in the sides of the heater is not recommended; doing so would produce an attractive environment for vermin to nest. Heaters equipped with a hinged "Cool Cap" do not require additional covering.

It is now safe for the heater to be stored in extended freezing conditions until placed back in service next season.

CAUTION !

Failure to heed the following can result in damage to equipment.

While the plumbing connections are in the winterized condition (not fully tightened), it is imperative pool/spa water not be circulated through the heat pump. Loss of water through loose plumbing connections may result in damage to circulating pump, pool/spa structure, and/or other equipment.



IMPORTANT !!!

If your heater is equipped with a heat exchanger that looks like this, do NOT use these instructions to winterize. Use, instead, instructions to winterize a titanium heat exchanger.

Unsure which type heat exchanger you have? Contact AquaCal.

For further assistance, please contact AquaCal Technical Support Group at: 800-786-7751, Monday through Friday, 8:00 a.m. to 5:00 p.m. EST.