

HEAT SIPHON ANSWERBOOK

Troubleshooting

Winterizing/ Frozen Heat Exchanger

If you live in a cold climate where freezing may occur, your Heat exchanger must be winterized or the heat exchanger will crack or burst

WARNING: IF POOL OR SPA WATER IS ALLOWED TO FREEZE IN THE HEAT EXCHANGER, IT WILL EXPAND AND MAY CRACK THE HEAT EXCHANGER HOUSING REQUIRING HEAT EXCHANGER REPLACEMENT WHICH IS NOT COVERED BY THE WARRANTY.

Your Heat Siphon can stand the coldest of winter weather with no problems. The only precaution necessary is to make sure that the heat exchanger is drained of all pool water.

1 Blow out heat exchanger with shop vac, etc and add a small amount of pool antifreeze, add to top outlet until it comes out bottom inlet and cap off.

- If in doubt add antifreeze to the outlet (top) until it comes out of the inlet (bottom) of the unit.
- In freezing weather the plastic cabinet material does become brittle and should be protected from any impact but can withstand normal moving and handling. It is totally unnecessary that your Heat Siphon be moved from its installed location for the winter, and in fact it is recommended that you leave it intact to avoid damage during moving.

2 Make sure your inlet and outlet water connection to heat siphon are secure

Heat Siphon Running not heating

1 Are you are starting up for first time? Heat Siphon will have to run 24 to 48 hours straight to reached desired temperature

- Heat up using a heat pump is not quick like a gas heater. Gas heaters oversize so you can heat up quick and you shut down and let water slowly cool and start the process over. (To costly to maintain) Heat Siphon your run for 24 to 48 hours you can constantly maintain your desired temperature at all times efficiently

2 Check air coming off top of Heat Siphon -It should feel colder than outside air -at least 5 degree colder. If the air out is cooler this is telling you Heat Siphon operation is OK, longer run times are required

- Do you have a solar cover on your pool? It may be to cold at night for heat siphon to maintain desired temperature.
- Air temperature below 50°F overnight- Heat Siphon will shut down and without a blanket you will experience heat loss.
- Air temperature below 50°F during an extended period Heat Siphon may not have adequate run-time hours to increase or maintain pool temperature especially without a solar blanket
- Make sure plumbing connections are correct. From pump to bottom connection of Heat Siphon and to pool from Top of Heat Siphon. If these are reversed your Heat Siphon will cycle on and off as it reaches within 3 to 5 degrees of your set point since the thermostat is looking at the "already heated" water coming out of the unit instead of the pool water temperature coming from the pool.

3 If Air in is same temperature as air out:

- Call Factory or have an certified electrician check to make sure compressor plug is secure
- Call Factory or have an certified electrician check compressor run capacitor