



HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB09-0001

Jan. 12, 2009

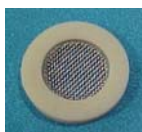
Page 1 of 2

Subject: C-100BAE-AD LOW WATER SAFETY/FREEZE UP PROTECTION

This Service bulletin describes the function and operation of the Suction Line Thermostat in the C-100BAE-AD. This thermostat is attached to the suction line at the compressor inlet. It is designed to open in case the suction line temperature drops below 23.9°F +/- 2.7°F. This thermostat is put in place to protect the compressor in the event of evaporator freeze ups or low water volume being supplied to the unit. This is an automatic reset safety and the thermostat will re-close once the suction line temperature rises to 29.0°F +/- 2.7°F. This will allow the unit to automatically resume ice making in the case of a temporary water interruption.

If the unit cycles on and off repeatedly during extended periods of water interruption it is possible for the gear motor temperature to rise. Although the gear motor assembly does have a thermal safety to protect against overheating, the heat that is generated from the gear motor may melt the ice in the bin, warm the top panel and may produce a slight odor. The additional heat may also extend the amount of time needed to fill the bin, effect ice production and the customer may assume that the unit is malfunctioning. If this occurs, it is recommended that you follow the procedure below.

1. Move the control switch to the off position
2. Disconnect power source
3. Restore adequate water supply to the unit.
 - a. Check/Replace external water filters for restriction (If equipped)
 - b. Check/Clean water inlet screen (If equipped. Started with serial number U01056A January 2009)



Inlet Screen or
Strainer washer
part # 4A4738-01



Screen Location
Inside inlet water
fitting.

- c. Check/clean water float valve orifice. If the orifice is plugged, no ice will be produced.
4. Prop door open and allow ice storage bin area to cool
5. Once ice storage area temperature decreases close door and re-start the unit by moving the control switch to the ice position.

Note: Since the float orifice is small, it can be plugged with debris or scale from the inlet water supply. This is a normal maintenance issue. To protect the float valve from debris, it is highly recommended that a filter or inline filter screen assembly be installed on the inlet water line that it is easily accessed and maintained

If you have any questions concerning this issue please contact Technical Support at 1-800-233-1940.