FREEZE-UP CHECKLIST

Freeze up checklist: This form is required on any evaporator replacement and can be used to help diagnose a repeated freeze up condition. Make copies as needed and submit with the claim. Revised 11/09DM

<table>
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<th>Model#_________________</th>
<th>Serial#________________</th>
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Insl Date _____________ | Fail Date ______________|

### 1. Single unit or stacked equipment? [ ] [ ]
- [ ] Yes
- [ ] No

### 2. Condition of float switch - Dirty float? [ ] [ ]
- [ ] Yes
- [ ] No

### 3. Confirm…Is water pump always running during the freeze cycle? [ ] [ ]
- [ ] Yes
- [ ] No

### 4. Is thermistor properly mounted? [ ] [ ]
- [ ] Yes
- [ ] No

### 5. Is the TXV bulb tight and insulated? [ ] [ ]
- [ ] Yes
- [ ] No

### 6. Is water flow adequate to fill sump to overflow last 60 ~ 90 seconds of a normal harvest? [ ] [ ]
- [ ] Yes
- [ ] No

### 7. Is the water line sized properly? Small units up to KM-900 3/8" large units 1/2"? If not ______ [ ] [ ]
- [ ] Yes
- [ ] No

### 8. Do some ice cubes remain on the evaporator plates when next freeze cycle starts? [ ] [ ]
- [ ] Yes
- [ ] No

### 9. For stacked or side by side units…are separate water lines supplied? [ ] [ ]
- [ ] Yes
- [ ] No

### 10. When evaporator plates are dry, do you see scale? [ ] [ ]
- Scale color: ________________________
- Date evaporators were last cleaned _____________

### 11. Will thermostatic bin control cycle unit off within 6 seconds when in contact with ice? [ ] [ ]
- [ ] Yes
- [ ] No

### 12. Have you checked the bin control to assure the capillary is not touching a hot or cold source? [ ] [ ]
- [ ] Yes
- [ ] No

### 13. Are the evaporator separators, blue hooks and cube guides positioned properly? [ ] [ ]
- [ ] Yes
- [ ] No

### 14. Does mechanical bin control cycle the unit off in 6~15 seconds within the first 5 minutes of freeze? [ ] [ ]
- [ ] Yes
- [ ] No

### 15. Does the unit have any water filtration? [ ] [ ]
- If so, list the following:
  - Filter brand:
  - Filter model:
  - Filter pressure gauge reading during fill ______ psig.
  - Date filter last replaced:

### 16. Is water inlet valve screen clean? [ ] [ ]
- [ ] Yes
- [ ] No

### 17. Does water valve close completely when de-energized? i.e. does it leak by during freeze? [ ] [ ]
- [ ] Yes
- [ ] No

### 18. What is the inlet water pressure? ______ psig
- What is inlet water temperature? ______°F

### 19. List the control board dip switch settings:

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### 20. Is cube size consistent from inlet to the outlet of evaporator plates? (Full freeze pattern) [ ] [ ]
- [ ] Yes
- [ ] No

### 21. Is KM cube normal shape and size? [ ] [ ]
- If not describe: ________________________

### 22. Was any refrigerant added to the unit? [ ] [ ]
- If so, how much? ________________________

### 23. Was the unit leak checked? [ ] [ ]
- Were any leaks found? [ ] [ ]
- If so, where? (Be specific) ________________________

### 24. What is the head pressure?
- Freeze ______ Harvest _________

### 25. What is the suction pressure?
- Freeze ______ Harvest _________

### 26. What is length of Freeze cycle ______
- Harvest cycle? ______

### 27. Ambient temperature at unit ______ °F, at cond. ______ °F

### 28. Water-cooled condenser outlet water temp ______ °F

### 29. Is the hot gas valve opening? [ ] [ ]
- [ ] Yes
- [ ] No

### 30. List model & manufacturer of bin: ________________________
- Or dispenser: ________________________

### 31. If non-Hoshizaki bin, what modifications have been made to bin control mounting? [ ] [ ]
- [ ] Yes
- [ ] No

### 32. Has stainless steel extension bracket been added to the bin control bracket? [ ] [ ]
- [ ] Yes
- [ ] No

### 33. Ice Drop Batch Weight: ________________________

### 34. Do ice cubes continue to fall after the freeze cycle starts? [ ] [ ]
- [ ] Yes
- [ ] No