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## Temperature Control for Environmental Equipment

There are several things that could cause improper Temperature Control or no cooling.

### Control Panel

- Verify that the POWER and COOLING switches are ON.
- The Controller is calling for cooling, which can be verified by Output LED being ON.
  - Some unit may require the Events #1, #2, or #3 to be programmed ON to get the unit to cool.
- Verify the Hi-limit Control is not tripped. This will shut down both heating and cooling systems.

### Chamber Interior

- Verify the Recirculation fan is running.
- Verify the Recirculation fan rotation is correct (Rotation arrow is next to the motor in the rear of the equipment).

### Lower Compressor Compartment (Rear Area)

- Verify that the Sight Glass is full (located above condenser next to the filter).
  - This must be done with system in full cool mode and not cycling at setpoint.
  - Lift the white plastic cover to look inside.
  - If foaming or not full, the unit may be low on refrigerant. **Call for service.** If no indication of any refrigerant, turn unit OFF and wait for service
- Verify the Condenser fan rotation is correct (Rotation arrow is next to the motor).
- Verify the Compressor(s) are running.
  - If not running, check the Manual Reset Pressure switch (located above the condenser coil - top left hand). Stay clear of the condenser fan when pressing the red reset button.
  - If the compressor(s) start after pressing the manual reset pressure switch, verify that the room ambient temperature is below 85°F. High room ambient temperatures will cause a 1% reduction in cooling per degree C over 29°C (85°F). Ambient temperatures above 105°F will cause the manual reset pressure switch to trip.
  - If the room ambient temperature is below 85°F, verify that the condenser coil is clean and clear of obstructions.
  - Check for blown Fuses.
- Verify the Liquid line Solenoid is energized.

We hope you will find this information useful. THANK YOU for contacting us and allowing us to be a service to you. Please contact us at 1-800-473-7373 if you have any questions.