

## FAULT CODES

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*Included in this section are instructions to Reset the two Hot Tank Overload Devices (High Safety Limit).*

### 1. Blue Chilling LED Flashing - Cold Sensor Fault

**Alarm: User Interface Blue Chilling LED flashing, Compressor is OFF and unit will alarm 20 times.**



The factory Cold Water temperature set point is 5°C (41°C). The Thermistor that controls the refrigeration system is located in the well in the UV Cold tank.

Possible Reason	Solution
Cold Water Thermistor	Check continuity of thermistor with multimeter. Replace Thermistor as needed.

## 2. Red Heating LED Flashing Hot Sensor Fault

**Alarm:** User Interface Red Heating LED flashing, and unit will alarm 20 times.

### Heating

The Hot temperature set point is 85°C (185° F) and is controlled by a thermistor in the well in the Hot Tank.

There are two resettable Hot Tank Overload Devices (High Safety Limit) on the side of the tank that will trip to prevent damage to the unit if the tank is dry heated (turned on without water in it).

It typically takes 10 minutes for the 500W to heat the 1.6 Liter of room temperature (ambient) water to the 85°C (185°F) set point.


Possible Reason	Solution
Hot Water Thermistor	Check continuity of thermistor with multimeter. Replace Thermistor as needed.

## 3. Green LED Flashing - Filter Service Alert

**Alarm:** User Interface Green Filter LED flashing, and unit will alarm 20 times.

### Filter

Factory Setting Timer for Filters Life is turned off. When the Filter Life Timer has been programmed to 6, 9 or 12 months the Filter Service Alert will alarm to recommend replacing the filters.

Possible Reason	Solution
Filter Life Time programmed has been exceeded.	Change Filters.  Reset Filter Life Timer by pressing the Red Reset button located at the back panel on rear of unit for 3 seconds. Unit will alarm 3 times to indicate that Filter Timer has been reset. <div style="text-align: center;">  </div>

#### 4. All but Power Button LEDs Flashing - Leak Detection Fault

Alarm:

- All but the User Interface Green Power LED flashing,
- Compressor turns off
- UV Lamp and Ballast are off
- Pump is off
- Solenoid Valves are all off.
- Alarm will sound 20 times.

 Heating

 Chilling

 Power

 Sleep


 UV

 Filter

Possible Reason	Solution
Water Leak	<p>Most leaks will be detected by the internal <i>WL290 Water Treatment System</i> leak detection system that will trigger or turn off the inlet solenoid valve.</p> <p>Isolate the supply and start normal fault-finding procedures.</p>

#### 5. Green Power LED Flashing - Pump Fault

Alarm:

- User Interface Green Power LED flashing  Power
- Pump is Off
- Compressor Off
- UV Lamp
- Ballast is Off

Possible Reason	Solution
Pump ran for over 8 hours	<p>Power Off Machine</p> <p>Power On Machine</p>

## 6. All LED's Flash and Machine Turns Off - Pump drawing too much power

Alarm:

- Machine turns on and fills
- Pump turns on
- All LED's flash (indication that the Main PCB is rebooting)
- Machine turns off

 Heating

 Chilling

 Power





 Sleep



 UV

 Filter

Possible Reason	Solution
Pump drawing too much power	To verify that the pump is locked up:  Disconnect pump  Turn machine on. If machine stays on, then it is the pump that is drawing too much power.  Replace the Pump

## RESETTING THE TWO HOT TANK OVERLOAD DEVICES (HIGH LIMIT SAFETY)

1.	Turn off Red Heater and Compressor Power Switch <i>O = OFF</i> on rear of unit.	
2.	Unplug the Power Cord from rear of unit.	
3.	Remove 4 Phillip Screws from the Access Panel on rear of unit and Lower Access Panel.	
4.	Locate protective metal box on rear of Hot Tank. Push down on top of metal box to access the two Overload Reset Devices.	
5.	Press the Overload Reset Devices.	
6.	Reattach the metal box by depressing the top flap of the metal box so it snaps back into its original position on the Hot Tank.	

7.	Replace the Access Panel and 4 Philips screws.	
8.	Plug in the Power Cord.	
9.	<p>Make sure the hot and cold tanks are filled with water BEFORE turning on the Red Heater and Compressor Power Switch</p> <p><b>⚠ CAUTION! NEVER TURN ON HEATER BEFORE FILLING HOT TANK.</b>  <i>Red Heater and Compressor Power Switch must be in the O=OFF position while the Hot Tank is empty. Damage could occur within one minute and the overload (high limit) will require manual reset if heater is turned on with an empty Hot Tank.</i></p>	
10.	Verify the cooler is fully operational before installing it at the customers' site.	