

**Scope**

Applies to all THERMOGENESIS CORP. MP2200 Plasma Freezers.

**Subject: *Running the Filter Cycle Procedure Change***

After initial launch of the new MP2200, changes to the procedure for *Running a Filter Cycle* are recommended.

**Background**

The yellow handled ball valve that controls the flow of coolant from the freezer into the filtration system if left open at all times, may allow the cold coolant to backflow into the filtration system. This may cause stress to the plastic components if exposed to these cold temperatures. It is recommended that the procedure be changed to open and close the valve as needed to run the filtration cycle.

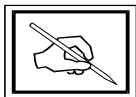
**Procedure**

The procedure has been revised to add steps to open and close the yellow handled ball valve. See changes at Step 2 and Step 8. Please discontinue using the Running a Filter Cycle procedure in your MP2200 Plasma Freezer Operator and Maintenance Manual (part number 6-07-035A) and use the attached procedure in its place.

(See revised procedure on next page)

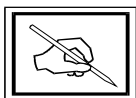
## Running the Filter Cycle

The MP2200 Freezer incorporates a filtration system to remove water from the coolant. The filter cycle takes one hour. Perform the following steps to complete a filter cycle:



**NOTE:** To run the filter cycle, no freeze cycles can be running and all lids must be shut. The coolant temperature must be above +2°C.

1. The display will show “**DEFROST DONE**”.
2. Open the yellow handled ball valve, located in the lower left corner of the stainless steel housing. The valve is “Open” when the handle lines up in parallel with the piping.



**NOTE:** Failure to open the valve before running the filter cycle may damage the filter pump.

3. Press **START** on any of the keypads to begin the filtration cycle.
4. The display will show “**FLTR MODE**” and the time remaining until completion of the filter cycle (in hours). The chamber pumps will cycle on for one minute every nine minutes.
5. To abort the filter cycle, press the **STOP/CLEAR** key.
6. The countdown will run until it reaches 0:00. After one minute, the displays will change to “**FILTER DONE**”. The freezer will remain idle.
7. An alarm will sound every two minutes. Press the **RESET** key to turn the alarm off.
  - a. Check the silica gel. If there are no blue pellets in either container, there may be additional moisture in the coolant indicating the need to run a second filtration cycle.
  - b. Follow instructions in *Checking Silica Gel and Replacing Silica Gel*.
  - c. Once silica gel is replaced, press **START** to run another filter cycle.
8. Close the yellow handled ball valve, located in the lower left corner of the stainless steel housing. The valve is “Closed” when the handle is at a 90° angle to the piping.
9. Press the **STOP/CLEAR** key to end the filter cycle and return the freezer to the set operating temperature.
  - a. If **STOP/CLEAR** has been pressed and another filter cycle needs to be run, enter **500** on any idle keypad.
  - b. Press the **RESET** key.
  - c. Refer to steps 3 – 7 above.

Maintenance forms are located in Appendix A of this Manual.