

TITLE: Operation of the Thermo Scientific Revco Benchtop Ultra-Low Temperature Freezer

SOP Number: D-GLO-EQP-003

Revision Number: 0

Effective Date: 08 Aug 2015

1.2.1.2.3 If the cabinet temperature rises above the alarm setpoint, the Temperature Failure light illuminates and the audio alarm sounds.

1.2.1.2.4 To silence the audio alarm, press the Audio Silence button. The alarm stops for 15 minutes and then sounds again until the cabinet temperature drops below the alarm setpoint or until the Alarm Silence button is pressed again.

1.3 MAINTENANCE AND TROUBLESHOOTING

1.3.1 Condenser Maintenance

1.3.1.1 Clean condenser at least every six months; more often if the laboratory area is extremely dust prone.

1.3.1.2 To clean the condenser, complete the following steps:

- Pull the grill open.
- Check the fans. If a fan is not operating, contact an Authorized Service Company immediately.
- Vacuum the condenser.
- Close the grill.

1.3.2 Gasket Maintenance

1.3.2.1 Periodically check the gaskets around the lid for punctures or tears. Leaks are indicted by a streak of frost which forms at the point of gasket failure. Make sure that the cabinet is level. Keep the lid gaskets clean and frost free by wiping gently with a soft cloth.

1.3.3 Defrost Procedures

1.3.3.1 To defrost the equipment, complete the following steps:

- Remove all products and place in another cabinet.
- Turn off the unit and allow the interior to warm to room temperature.
- Dispose of the ice and wipe out any water standing in the bottom of the cabinet.
- If there is freezer odor, wash the interior with a solution of baking soda and warm water. Clean the exterior with any common household cleaning wax.

1.3.4 Alarm Battery Maintenance

1.3.4.1 Have a technician check the condition of the alarm battery at least once a year. To replace the alarm battery, complete the following steps:

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- Remove the panel on the left side of the freezer. The alarm battery is located directly behind the grill. The terminals are the “push on” type.
- Grasp the terminal with pliers and work it gently back and forth while pulling it off. The fittings are tight.
- Remove the battery and put the new battery in place. (Note: you may have to cut a strip of silicone rubber in order to remove the battery)
- Connect the battery terminals and replace the front grill.

D. HISTORY

Effective Date	Revision	Change
08 Aug 2015	0	Original document