REFRIGERATION AVANTCO

User Manual

Commercial Glass Froster/Plate Chiller User's Manual

11/2016

Commercial Beer Bottle Coolers:

178GF25, 178GF25S, 178GF50, 178GF50S

Please read the manual thoroughly prior to equipment set-up, operation and maintenance.

Installation

Please read this manual thoroughly prior to equipment set-up, operation and maintenance.

Important!!! Please Read Before Installation

- If the unit has recently been transported on its side, please let the unit stand upright for a minimum of 24 hours before plugging it in.
- Make sure the unit has reached the desired temperature before loading the unit with products.
- Make sure all accessories are installed (shelves, shelf clips, etc…) before plugging in the unit.
- Do not attempt to remove or repair any component of the unit. Consult an authorized service technician for servicing / repair.
- Do not hang on doors or stand inside the unit.
- Please read through this manual in its entirety.

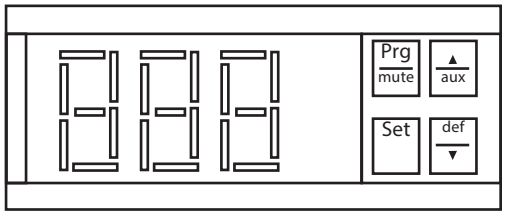
Cabinet Location Guides

- Install the unit on a strong and leveled surface.
  - If the surface is uneven, the unit may be noisy.
  - The unit may malfunction if the surface is uneven.
- Install the unit in an indoor, well ventilated area.
  - For best performance, maintain 6” of clearance on both sides and the back of the unit at all times.
  - Outdoor use may cause decreased efficiency and damage to the unit.
  - Avoid direct sunlight.
- Avoid installation in a high humidity and / or dusty area.
  - High humidity can cause the unit to rust and may decrease efficiency.
  - Dust collected on the condenser coil may cause unit to malfunction.
  - Malfunction due to high ambient temperatures, humidity, or improperly maintained condenser coil will void the warranty.
- Select a location away from heat and moisture-generating equipment.
  - High ambient temperatures may cause the compressor to malfunction.
  - Malfunction due to high ambient temperatures and humidity will void the warranty.

Electrical

- Please ensure that the required voltage is being supplied at all times.
- The unit should be plugged into a grounded and properly-sized electrical outlet with appropriate over-current protection. Please refer to the electrical requirements on the unit's nameplate.
- The unit should have its own dedicated outlet.
- Do not use extension cords.
- Ensure the unit is not resting on or against the electrical cord.
- If the unit is not in use for a long period of time, please unplug the unit from the outlet.
- To avoid shock and fire hazards, do not plug in or unplug the unit with wet hands.
- After unplugging the unit, wait at least 10 minutes before plugging it back in. Failure to do so could cause damage to the compressor.

Freezer Control



Adjusting the Temperature

Your new freezer is already factory-set to run at optimum temperatures for food safety and should require no adjustments.

Freezers are set to cycle between a minimum temperature of -5 degrees Fahrenheit and a maximum temperature of 2 degrees Fahrenheit.

Adjusting the temperature changes the **minimum** temperature your unit will run at. Your unit will not run constantly at this setting. To change it, follow these instructions:

Digital Control Units

- Hold "SET" for 1 sec. The display will flash the current minimum temperature.
- Use the arrow buttons to adjust the minimum temperature you want it to run at.
- Press "SET" again to save your settings

Always remember to calculate the differential if you change the minimum temperature setting. The cabinet temperature will fluctuate up to +7 degrees over your set minimum temperature as the compressor runs and shuts off. Setting the temperature too high will result in unsafe maximum temperatures and possible health code violations.

Defrost System

Refrigerator coils are kept below the freezing point (32 degrees Fahrenheit). During compressor down-time, the evaporator fan continues to circulate air through the evaporator coil. This air circulation raises the coil temperature above the freezing point, melting any accumulated frost. Run-off water is drained into the evaporator pan and evaporated. Freezer coils are defrosted electrically. Automatic defrost timers automatically initiate at pre-set intervals and for a pre-determined duration.

Operation/Maintenance

NOTE: *We strongly recommend that any servicing be performed by an authorized service technician.*

Cleaning the Condenser Coil

- For efficient operation, keep the condenser surface free of dust, dirt, and lint.
- We recommend cleaning the condenser coil at least once per month.
- Clean the condenser with a commercial condenser coil cleaner, available from any kitchen equipment retailer.

Cleaning the Fan Blades and Motor

- If necessary, clean the fan blades and motor with a soft cloth.
- If it is necessary to wash the fan blades, cover the fan motor to prevent moisture damage.

Cleaning the Interior of Unit

- When cleaning the cabinet interior, use a solvent of warm water and mild soap.
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the interior finish.
- Wash door gaskets on a regular basis, preferably weekly. Simply remove the door gasket from the frame of the door, soak it in warm water and soap for thirty (30) minutes, then dry with soft cloth and replace.
- Check door gaskets for proper seal after they are replaced.
- Periodically remove the shelves and shelf brackets from the unit, and clean them with a mild soap and warm water.

Troubleshooting

Compressor is Not Running

Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
Power cord unplugged.	Plug in power cord
Thermostat set too high.	Set thermostat to lower temperature.
Cabinet in defrost cycle.	Wait for defrost cycle to finish.

Condensing Unit Runs for Long Periods of Time

Excessive amount of warm product placed in cabinet.	Allow adequate time for product to cool down.
Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for long periods of time.
Dirty condensor coil.	Clean the condensor coil.
Evaporator coil iced over.	Unplug unit and allow coil to defrost. Make sure thermostat is not set too cold. Ensure that door gasket(s) are sealing properly.

Cabinet Temperature is too Warm

Thermostat is set too warm.	Set thermostat to lower temperature.
Airflow is blocked.	Re-arrange products to allow for proper air flow. Make sure there is at least four inches of clearance from the evaporator.
Excessive amount of warm product placed in the cabinet.	Allow adequate time for product to cool down.
Fust blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
Dirty condensor coil.	Clean the condensor coil.
Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening for long periods of time.

Warranty Information

Units in this manual are backed by a 1 year parts and labor warranty, with a 5 year warranty on the compressor. For warranty inquiries or service, first locate:

- The model number and cabinet serial number (located on the front of the unit, or inside the door jamb).
- The **bold** number on the service plate (located on the front of the unit).

Next, call 1-800-678-5517. Be sure to have the model number, cabinet serial number, and service plate number available when contacting service technicians.

This warranty does not apply to, and Avantco is not responsible for, any warranty claims made on products sold or used outside of the United States.

RESIDENTIAL USERS: Avantco assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications.