



## Chest Freezer User's Manual

178HF6

178HF9

178HF14

178HF22

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

## Installation

### ***Important!!! Please Read Before Installation***

- Make sure that the unit drops down to desired temperature before loading the unit with product.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- Please read through the manual in its entirety.

### ***Cabinet Location Guidelines***

- Install the unit on strong and leveled surfaces
  - Leveling can be obtained by adjusting the screws on the bottom of unit
  - Unit may be noisy if surface is uneven
  - Unit may malfunction if surface is uneven
- Install the unit in an indoor, well-ventilated area
  - Unit performs more efficiently in a well-ventilated area
  - For best performance, please maintain clearance of 4" on the back of the unit
  - Outdoor use may cause decreased efficiency and damage to the unit
- Avoid installation in a high humidity and/or dusty area
  - Humidity could cause unit to rust and decrease efficiency of the unit
  - Dust collected on condenser coil will cause unit to malfunction.
  - Malfunction due to dirty condenser will void warranty
- Select a location away from heat and moisture-generating equipment
  - High ambient temperatures will cause the compressor to overwork, leading to higher energy bills and gradual breakdown of the unit
  - Malfunction due to high ambient temperature will void warranty

## ***Electrical***

- Please ensure that the required voltage of the compressor is being supplied at all times. Low or high voltage can detrimentally affect the refrigeration unit.
- All units should be plugged into a grounded and properly-sized electrical outlet with appropriate overcurrent protection. Please refer to the electrical requirements on the nameplate.
- Please make sure that your unit has its own dedicated outlet.
- Do not use an extension cord.

## **Temperature Control**

The recommended setting for the freezer is at position “4”. If fast freezing is needed for products, set at position “5”. Turn it to its original position when the articles are frozen. Do not fast freeze for more than 4-5 hours. To decrease the temperature (colder), turn to position “5”. to increase the temperature (warmer), turn to position “1”.

### **CAUTION**

Setting the temperature control to the coldest setting may cause the evaporator coil to freeze and ice up. This will eventually result in a warmer cabinet temperature.

## **Loading Product**

In order to maintain correct air flow inside the unit, please be sure to leave two to four (2 to 4) inches of space between the back wall and stored product. Blocking the evaporator fans will result in a warmer cabinet temperature, and ultimately compressor failure.

## **Defrost System**

If the frost on the interior walls is more than 1/4”, defrosting should be done.

Method of defrosting: 1) Unplug the unit. Take out all contents of the freezer. After the freezer temperature rises, frost will melt or scale off. 2) To speed up defrosting, place a pan of hot water into the unit and close the door. After defrosting, drain the water and then use a soft cloth to dry the interior walls. Plug unit and resume operation.

Note: Never use sharp utensils to scrape off frosting layers.

# **Regular Maintenance**

## **Care and Cleaning**

It is suggested that the freezer be cleaned periodically; generally clean it every 30-45 days. Unplug before cleaning, and use a soft cloth with a solvent of warm water and mild soap to scrub inside and outside of the cabinet. Do not use acids, chemical thinner, gasoline or benzene for cleaning any part of the chest freezer. Dry it with a soft cloth. Never use water to rinse the freezer.

## Safety / Warning

Please pay close attention to the safety notices in this section. Disregarding these notices may lead to serious injury and/or damage to the unit.

### **Attention**

- To minimize shock and fire hazards, be sure not to overload outlet. Please designate one outlet for your unit.
- Do not use extension cords.
- Do not put your hands under the unit while it is being moved.
- When the unit is not in use for a long period of time, please unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before plugging it back in. Failure to do so could cause damage to the compressor.

### **Unplug Cord**

- To minimize shock and fire hazards, please do not plug or unplug the cord with wet hands.
- During maintenance and cleaning, please unplug the unit.

### **Proper Grounding Required**

- To minimize shock and fire hazards, make sure that the unit is properly grounded.

### **Warning**

- Do not attempt to remove or repair any component unless instructed by factory.
- Make sure that the unit is not resting on or against the electrical cord and plug.
- To minimize personal injury, do not hang on the door.
- Do not store any flammable and explosive gas or liquids inside the unit.
- Do not attempt to alter or tamper with the electrical cord.

## Troubleshooting

### **Compressor 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.   |

### **Condensing Units Run 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 door is closed when not in use. Avoid opening door for long periods of time. |

### **Cabinet Temperature is too Warm.**

|   |  |
|---|--|
| Thermostat set too warm.                            | Set thermostat to lower temperature.   |
| Airflow blocked.                                    | Re-arrange product to allow for proper air flow. Make sure there is at least four inches of clearance from evaporator. |
| Excessive amount of warm product placed in cabinet. | Allow adequate time for product to cool down.  |
| Fuse blown or circuit breaker tripped.              | Replace fuse or reset circuit breaker.   |

### **Unit is Noisy.**

|                            |   |
|----------------------------|---|
| Loud noise is heard.       | Be sure there is enough space between chest freezer and the wall.                       |
| Sounds like water running. | No attention required. It is the sound of refrigerant (liquid for cooling the freezer). |

### **Condensation.**

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| Condensation is on the exterior walls of the unit. | Condensation may build up on the body or the door when humidity is high. |
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## **Warranty Information**

All Avantco Refrigeration units are backed by a 1 year parts and labor manufacturer's warranty. For warranty inquiries or service, first locate the serial number plate on the front of the unit. Next, call the 800 number located on the serial number plate. Be sure to have the serial number available when contacting the service technicians.

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