Excellence Industries

# HORIZONTAL ICE CREAM FREEZERS

EDC Product Line

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NOTE:
To order spare parts, always include the following information:

- Model name: _____
- Serial number: _____

# SAFETY INFORMATION

## SAFETY PRECAUTIONS
## WHEN USING ELECTRICAL EQUIPMENT, CERTAIN BASIC SAFETY PRECAUTIONS MUST BE OBSERVED, INCLUDING THE FOLLOWING:

- This unit must be installed and located appropriately, following the installation instructions before its use.

- Do not allow children to climb, step or hang onto the shelves inside the cooler. That could damage the unit and cause serious injuries to them.

- Do not place your feet or step on the front grill.

- Do not touch the cold surfaces of the cooler with your hands wet or with moisture. The skin can stick to these cold surfaces.

- Do not store gasoline or other flammable liquids or gases, near this or other electrical equipment.

- Keep your fingers away from the grills and spaces between the doors. Be careful when closing the doors, especially when children are around.

- Unplug the cooler before cleaning or performing any repair.

**NOTE**
Service should only be provided by a qualified technician.

# INTRODUCTION

This manual contains instructions for installation, operation and general maintenance of your unit. It also includes a Troubleshooting Chart to diagnose problems along with corrective actions.

# GENERAL SAFETY

- This equipment employs hydrocarbon R-290 in its refrigeration system. As this refrigerant is flammable, maintenance and recharging must therefore only be carried out by authorized technicians.
- Take care when handling your equipment so as not to cause any damages to the cooling unit with consequent possible fluid leakages.
- The equipment must not be located close to stoves, radiators or boilers.
- Avoid prolonged exposure of the equipment to direct sunlight.
- Only genuine spare parts should be used to service this refrigerator.

# FEATURES

- Hydrocarbon R-290 refrigerant, which is environmentally friendly and makes these units the greenest coolers in the world.

- Sturdy cabinet with strong structural stability resulting from the most advanced foam-in-place injection system. Polyurethane insulation with cyclopentane as blowing agent which does not harm the ozone layer and does not affect global warming.

- Designed to perform efficiently under high-ambient conditions.
- Fan motors are completely sealed.
- For every single unit manufactured, a computerized quality assurance test is performed on the refrigeration system while the cooler is running, resulting in a trouble free unit.

The type of refrigerant your equipment uses is indicated on the nameplate located inside the equipment:

# CHECK FOR SHIPPING DAMAGE

Prior to leaving the factory, each cabinet is throughly inspected and performance tested up to 12 hours to assure proper operating temperatures.

**Check the crate thoroughly for signs of shipping damage:** If external damage exists, internal damage is also possible. Uncrating should be done while the carrier´s representative is present. Otherwise, the equipment should be uncrated as soon as possible, preferably within five (5) days.

The manufacturer is not responsible for in-transit damage and the consignee must file any required damage claims directly with the carrier.

If the damage is severe and obvious, write a brief description of the evidence on the carrier's delivery receipt, and above the carrier representative's signature. Call the distributor or dealer immediately, indicating that the cabinet was damaged.

If no obvious crate damage is present, within two hours of receiving the cabinet from the carrier, remove the packaging to inspect for concealed damage.

1. If concealed damage is found, call the carrier immediately, **save all crating materials**, and file the necessary freight claim with the carrier.

**Check for accesories:** Check that the shelves are inside the refrigerator, including the four clips for each shelf and the pressure relief valve .

# WHERE TO LOCATE THE UNIT

1. Place the cabinet on a surface solid enough to prevent vibration and strong enough to support the combined weight of the cabinet and the product load. Quick guideline: Estimate 35 pounds per cubic foot of storage space.

2. Cabinets should never be placed in front of windows or glass doors where sunlight will be in direct contact with the units. If a cabinet is located near a window or glass door, provide an adequate shade to block the sun´s rays.

3. Ambient temperature must be between 59°F and 86°F. Low ambient temperatures below 50° F are as harmful as high ambient temperatures. Extreme temperatures will definitely affect the performance of the cabinet.

4. Remove the external packaging (corrugated board and plastic wrappings). Check for concealed damage. If any damage is identified, immediately forward a complaint to the transportation company.

5. Move the cooler the closest possible to its final location, before removing the skid.

6. Using a screwdriver to remove the screws that fix the skid to the cooler, or metal supports if applicable.

7. Failure to properly level the cabinet could hinder proper drainage and door operation. Leveling legs are provided with the cabinets. Level the cabinet by using the adjustable portion of the leveling legs as needed.

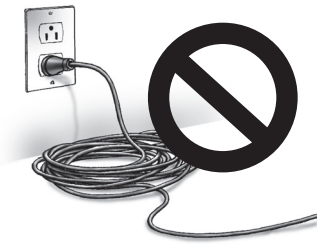
8. Clearance: Leave a space of at least 8" between the back of the cabinet and the wall to provide adequate air circulation of the unit compartment.

# CONNECT THE CABINET TO PROPER ELECTRICAL POWER SUPPLY

Each unit requires a dedicated circuit to prevent malfunction of the compressor and the electrical components. Each unit should be connected to its own circuit in accordance with National Electric Codes and local ordinances.

Do not connect the equipment to a wall outlet that has other appliances connected.

Do not use extensions, the compressor may burn out.



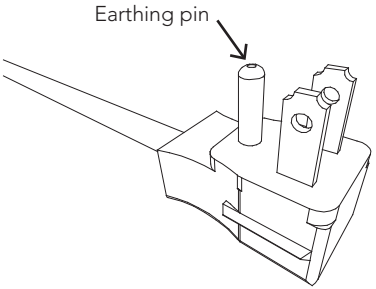
## WARNING

**This refrigeration equipment requires proper electric installation. Avoid voltage variations higher than 10%.**

**Electric installation must be done according to the electrical local codes. Each refrigerator or freezer should be connected to its own electrical circuit to avoid voltage fluctuations that could damage the unit.**

**THE MANUFACTURER WILL NOT HONOR THE WARRANTY DUE TO IMPROPER INSTALLATION.**

Plug in electrical power cord. Do not under any circumstance cut or remove the earthing pin from the power cord. Removal of earthing pin invalidates product warranty.



# CONTROLS AND ADJUSTMENTS

## USE OF YOUR COOLER WITH MECHANICAL THERMOSTAT CT-24-D

Plug in electrical power cord.

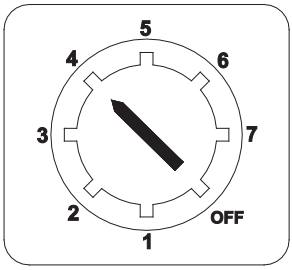
If the condensing unit does not run after the power cord is plugged in, check to see that the temperature control knob is in the "ON" position. (Please see Troubleshooting section of this manual for more information).

Before loading product into the cabinet, allow compressor to run for at least two hours after initial pull down to ensure the unit has achieved proper temperature. Please note that a storage freezer is not designed to freeze unfrozen products. It is designed to keep pre-frozen product frozen.

The temperature of a freezer must be between 0 and –10 °F (-18 °C and –23 °C).

## POSITION OF THE THERMOSTAT KNOB

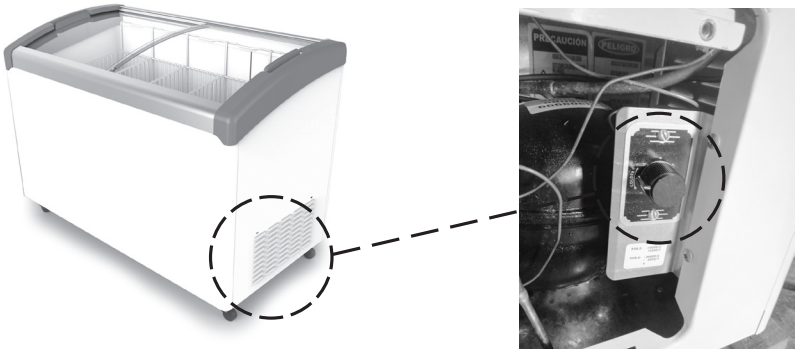
The position of the thermostat knob should be number 4 for the FREZZ and BLIZZ line.
For a colder temperature, turn the thermostat knob to a higher number.
For a warmer temperature, turn the thermostat knob to a lower number.




Position of the thermostat

THERMOSTAT LOCATION:

The thermostat is located behind the right-side grill.



# GLASS DOOR REMOVAL INSTRUCTIONS

1. Slide the upper glass door towards the left of the freezer.

2. Push the door towards the back and up.

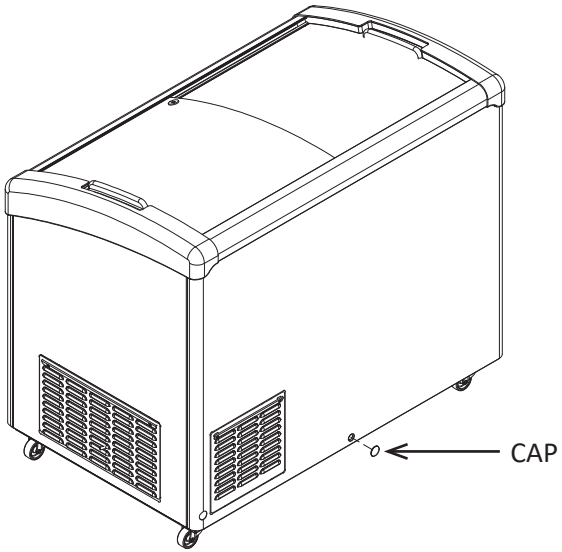
3. Lift up the front part of the glass using both hands.

4. Repeat previous three steps with the lower glass door towards the right of the freezer. (Repeat steps 2 and 3 for the lower glass door)

***NOTE.***
*To re-install the doors, repeat steps 1-4 in reverse order.*

# DRAINAGE SYSTEM FOR HORIZONTAL FREEZERS

**Internal drainage system:**
Your horizontal freezer has also a drain located in the inner bottom floor of the cabinet. When cleaning the interior of your freezer, make sure to remove the cap of the nozzle located on the exterior lower section of the cabinet. It is recommended to place a water collecting pan under the nozzle on the exterior, when cleaning the inside.




# MAINTENANCE

1. The FREEZ and BLIZZ line does not require that you clean the condenser periodically, as the condenser is free of aluminum fins, such as those of traditional commercial refrigeration equipment, which accumulate dirt and dust.
2. To clean the interior,exterior, and the curved glass canopy of the freezer, first unplug the unit. Use a gentle detergent or soap. Do not use abrasive cleaning products. Dry the interior of the unit prior to loading it with products.
3. Connect the unit and wait two hours to allow the temperature to stabilize before loading the products in the freezer.
4. Defrost the unit once per month to eliminate the excess ice that builds up on the walls. To defrost the freezer, unplug it and leave the doors open to melt away the ice build-up. Do not under any circumstance try to remove the ice with an ice pick.

# TROUBLESHOOTING CHART

| | | |
|---|---|---|
| Freezer does not start, no noise | 1. Check power cord connection and voltage | 1. Plug in power cord correctly |
| | | 1.2 If unit doesn't start, unplug the unit and connect a radio, lamp or other appliance to verify if voltage is preset |
| | 2. Check for blown fuse or breaker | 2. Replace fuse or reset breaker. Check with a qualified electrician |
| | 3. Check that the temperature control knob is in the right position | 3. See the "Use" section of this manual |
| Product is too cold | 1. Check that the temperature control knob is in the right position | 1. See the "Use" section of this manual |
| | 2. If the control knob is in the right position | 2. Switch the knob to the next number below the one to which it is set |
| Product is not cold enough Product is not cold enough | 1. Check that the temperature control knob is in the right position | 1. See the "Use" section of this manual |
| | 2. If the control knob is in the right position | 2. Switch the knob to the next number above the one to which it is set |
| | 3. Interior cabinet with accumulation of frost | 3.Defrost the freezer. See the "Maintenance" section of this manual |
| Too much noise | 1. Floor not level | 1. Shim the cabinet at the corners with thin sheets of metal |
| | 2. Screws of the front or rear panel may be loose | 2. Adjust the screws |
| | 3. Excessive vibration | 3. Contact a qualified service technician |

NOTE: If after following the steps above your unit still has problems, contact your distributor so that a qualified technician may check your freezer.

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