



Back Bar Refrigerator User's Manual

09/2019

178UBB48HC, 178UBB60HC, 178UBB72HC, 178UBB1HC, 178UBB2HC,
178UBB3HC, 178UBB4HC, 178UBB378

(Optional Models on Page 2)

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

User Manual

BASE MODEL	SS TOP	GALVANIZED
178UBB48HC	178UBB48GHC, 178UBB48GHCS, 178UBB48HCS, 178UBB48SHC, 178UBB48SHCS	178UBB48GT, 178UBB48GTS, 178UBB48GTG, 178UBB48GTGS, 178UBB48SGT, 178UBB48SGTS
178UBB60HC	178UBB60GHC, 178UBB60GHCS, 178UBB60HCS, 178UBB60SHC, 178UBB60SHCS	178UBB60GT, 178UBB60GTS, 178UBB60GTG, 178UBB60GTGS, 178UBB60SGT, 178UBB60SGTS
178UBB72HC	178UBB72GHC, 178UBB72GHCS, 178UBB72HCS, 178UBB72SHC, 178UBB72SHCS	178UBB72GT, 178UBB72GTS, 178UBB72GTG, 178UBB72GTGS, 178UBB72SGT, 178UBB72SGTS
178UBB1HC	178UBB1GHC, 178UBB1HCS, 178UBB1GHCS	
178UBB2HC	178UBB2GHC, 178UBB2HCS, 178UBB2GHCS	
178UBB3HC	178UBB3GHC, 178UBB3HCS, 178UBB3GHCS	
178UBB4HC	178UBB4GHC, 178UBB4HCS, 178UBB4GHCS	
178UBB378	178UBB378G, 178UBB378GS, 178UBB378S	

Warning

DANGER – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.

PELIGRO - RIESGO DE INCENDIO O EXPLOSION. REFRIGERANTE INFLAMABLE UTILIZADO. PARA SER REPARADO SOLAMENTE POR PERSONAL DE SERVICIO CALIFICADO. NO PINCHAR LA TUBERÍA REFRIGERANTE.

DANGER – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONFIER LES RÉPARATIONS À UN TECHNICIEN SPÉCIALISÉ. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.

CAUTION – RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. CONSULT REPAIR MANUAL/OWNER'S GUIDE BEFORE ATTEMPTING TO SERVICE THIS PRODUCT. ALL SAFETY PRECAUTIONS MUST BE FOLLOWED.

ATENCIÓN - RIESGO DE INCENDIO O EXPLOSIÓN. REFRIGERANTE INFLAMABLE UTILIZADO. CONSULTE EL MANUAL DE REPARACIÓN / GUÍA DEL PROPIETARIO ANTES DE INTENTAR DAR SERVICIO A ESTE PRODUCTO. DEBEN CUMPLIR CON TODAS LAS PRECAUCIONES DE SEGURIDAD.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONSULTER LE MANUEL DU PROPRIÉTAIRE/GUIDE DE RÉPARATION AVANT DE TENTER UNE RÉPARATION. TOUTES LES MESURES DE SÉCURITÉ DOIVENT ÊTRE RESPECTÉES.

CAUTION – RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

ATENCIÓN - RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A LA PERFORACION DE LA TUBERÍA REFRIGERANTE; SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO. REFRIGERANTE INFLAMABLE UTILIZADO.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LA TUBULURE CONTENANT LE FRIGORIGÈNE EST PERFORÉE; SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN. LE FRIGORIGÈNE EST INFLAMMABLE.

CAUTION – RISK OF FIRE OR EXPLOSION DUE TO FLAMMABLE REFRIGERANT USED. FOLLOW HANDLING INSTRUCTIONS CAREFULLY IN COMPLIANCE WITH LOCAL GOVERNMENT REGULATIONS.

ATENCIÓN – RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A REFRIGERANTE INFLAMABLE UTILIZADO. SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO CONFORME A LAS REGLAS DE LA MUNICIPALIDAD.

ATTENTION – RISQUE DE FEU OU D'EXPLOSION SI LE FRIGORIGÈNE EST INFLAMMABLE. SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN CONFORMÉMENT AUX RÈGLEMENTATION GOUVERNEMENTALE LOCAUX.

Installation

Please read this manual thoroughly prior to equipment setup, operation and maintenance.

Important!! Please Read Before Installation

- If the shelf has a raised lip, the lip needs to be installed facing up towards the rear of the cabinet to promote proper air flow. Failure to install the shelves properly is considered user-error and is not covered by warranty.
- If the unit has recently been transported on it's 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/repairs.
- Do not hang on doors or stand inside the unit.
- Do not store flammable, explosive, or corrosive liquids or gas in or near the cooler.
- Please read through this manual in its entirety.

Cabinet Location Guides

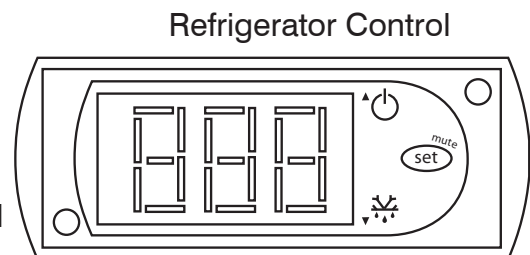
- Install the unit on a strong and leveled surface.
 - If the surface is uneven, the unit may be noisy or malfunction.
- Install the unit in a well-ventilated, indoor area.
 - For best performance, maintain 4" of clearance on both sides and the back of the unit at all times.
 - Outdoor use may cause decreased efficiency or 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 do 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.
 - Moisture may cause rust to form on the compartment body which could affect the electrical insulation.

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. **NEVER USE AN ADAPTER PLUG!** Please refer to the electrical requirements on the unit's nameplate.
- This unit should have it's own dedicated outlet.
- Do not use extension cords.
- Do not unplug your cooler by pulling on the power cord. Grip the plug firmly and pull straight out from the outlet.
- 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.
- If the power cuts off, wait at least 5 minutes before turning the unit on to avoid damage to the compressor.

Adjusting the Temperature

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



Refrigerators are set to cycle between a minimum temperature of 33 degrees Fahrenheit and a maximum temperature of 40 degrees Fahrenheit.

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.

Running a Manual Defrost Cycle

This unit is pre-programmed to run automatic defrost cycles at preset intervals. However, if you would like to run a manual defrost cycle at any time, please follow the steps below:

Refrigerators: Press the defrost button (snowflake symbol and down arrow) for approximately 3 seconds. Repeat to stop the defrost cycle.

Defrost System

Refrigerator coils are kept below the freezing point (32°F). 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.

Operation/Maintenance

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

Unplug the unit from the electrical outlet before cleaning or making repairs.

Loading Product

- Do not block the air duct/fan at the top of the unit. Maintain a minimum of 4" of clearance between products and the fan at all times.
- Ensure all shelves are sitting level and properly secured before loading products.
- Do not store flammable and explosive gas or liquids inside the unit.

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 and a soft brush, available from any kitchen equipment retailer, or vacuuming the condenser with a shop vac or use CO₂.

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 the 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. Remove the door gasket from the frame of the door, soak it in warm water and soap for (30) minutes, then dry with a 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.

Trouble Shooting

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.

Cabinet Temperature is too Warm

Thermostat is set too high.	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 cabinet.	Allow adequate time for product to cool down.
Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
Low refrigerant levels.	Clean the condenser coil.
Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for long periods of time.

Interior Light is Not Working

Poor switch connection.	Turn off light switch and turn it back on.
Bulb is not connected.	Make sure the bulb is correctly inserted in the socket.
Bulb has burned out.	Replace the bulb.

Condensation is Collecting on the Cabinet and/or Floor

Gasket is not sealing properly.	Clean, repair, or replace the gasket as necessary.
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Limited Service Warranty

Valid only in the Contiguous United States | Rev. 10/2020

3 Year Parts and Labor Warranty

Unless otherwise stated, Avantco Refrigeration warrants to the original purchaser of new Avantco Refrigeration units, that such equipment will be free from defects in material and workmanship for a period of 3 years from the original date of delivery. Valid only in the Contiguous United States. The 3 year parts and labor warranty applies only to the following series:

Z-Series, ZPT, ZUC, ZWT

2 Year Parts and Labor Warranty

Unless otherwise stated, Avantco Refrigeration warrants to the original purchaser of new Avantco Refrigeration units, that such equipment will be free from defects in material and workmanship for a period of 2 years from the original date of delivery. Valid only in the Contiguous United States. The 2 year parts and labor warranty applies to only the following series:

CPSS, SSPPT, SS-Series, SSPT, SSCFT, SSUC, SSUD, SSWD, SSWT

1 Year Parts and Labor Warranty

Unless otherwise stated, Avantco Refrigeration warrants to the original purchaser of new Avantco Refrigeration units, that such equipment will be free from defects in material and workmanship for a period of 1 year from the original date of delivery. Valid only in the Contiguous United States. The 1 year parts and labor warranty applies to only the following series:

APPT, APT, A-Series, AU, AWT, BC, BCD, BCR, CAC, CBE, CPW, GD4C, GDC, GDICE, GDS, GDW, HAC, MC, MCAC, MAC, VAC, UWD

In addition, the 2 year warranty applies to items of the following series sold with stainless steel exteriors only:
GF, HBB, UBB, UDD, DLC, UWD

5 Year Compressor Warranty

In addition to the applicable parts and labor warranty above, Avantco Refrigeration warrant the compressor part only on all named series above to be free of defects in material and workmanship for a period of 5 years from the original date of delivery.

What This Warranty Does Not Cover:

Avantco Refrigeration will not warrant coverage for component failure or other damages that arise under the following conditions:

- Failure to install and/or use the unit within proper operating conditions specified by Avantco Refrigeration. This includes installation in any and all outdoor or mobile applications.
- Failure to properly maintain the unit. This includes, but is not limited to, basic preventative maintenance like cleaning the condenser coil.
- Installation in non-commercial or residential applications. Because Avantco is a commercial brand intended to be installed in a commercial setting, units installed in a residence are not covered under warranty. Contact your authorized dealer for assistance.
- Products sold or used outside of the Contiguous United States.
- Any damage that occurs as a result of negligence or improper handling.
- Overloading or improper loading of the unit in a manner that prevents proper airflow.
- Wireless monitoring hardware installed by an authorized dealer.

Additionally, no claims can be made against this warranty for spoilage of products, loss of sales or profits, or any other consequential damages. Normal wear type parts, such as light bulbs and gaskets, are not included in warranty coverage.

For Warranty Inquiries or Service:

This warranty is only valid on equipment purchased from an authorized dealer. A list of authorized dealers for your state can be found by going to www.AvantcoRefrigeration.com

- Call 1-800-678-5517 for service requests and warranty inquiries. Please have the model number, serial number, and order number/proof of purchase to obtain warranty service ready when calling.
- The model and serial number are typically located on the rear or side of the unit, or inside the door on the left-hand side.

Failure to contact Avantco Refrigeration prior to obtaining equipment service may void your warranty.

Food Truck and Outdoor Commercial Use Warranty:

Valid only in the Contiguous United States

Avantco Refrigeration warrants new equipment sold to food trucks and commercial customers that have installed the unit outdoors to be operational upon delivery and proper installation, not to exceed a period of 30 days from the date of delivery. Food Trucks must be located at a permanent address with the unit easily accessible for service. Outdoor use must be covered and installed in a permanent outdoor kitchen, bar, or service area. This warranty does not cover issues caused by a lack of ventilation, overheating, or excessive humidity. Contact your authorized place of purchase for assistance. A list of authorized dealers can be found at www.AvantcoRefrigeration.com