



NSF 456 CERTIFIED VACCINE FREEZERS



Models:

VT65MLVAC456 VT65MLVAC456ADA

User Manual

BEFORE USE, PLEASE READ AND FOLLOW ALL SAFETY RULES AND OPERATING INSTRUCTIONS

*Write Model and Serial Numbers
here:*

Model: _____

Serial No.: _____

EQUIPMENT SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your unit. Always read and obey all safety messages.



This is the Safety Alert Symbol. The symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words "DANGER" or "WARNING".



DANGER means that failure to heed this safety statement may result in severe personal injury or death.



WARNING means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.

All safety messages will alert you about the potential hazard, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.

IMPORTANT SAFEGUARDS



Before the equipment is used, it must be properly positioned and installed as described in this manual, so read the manual carefully. To reduce the risk of fire, electrical shock or injury when using this equipment, follow basic precautions, including the following:



- Plug into a grounded 3-prong outlet, do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- Replace all panels before operating.
- It is recommended that a separate circuit serving only your unit be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Never clean the equipment parts with flammable fluids. These fumes can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other pieces of equipment. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the unit or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your unit unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.



FOLLOW WARNING CALLOUTS BELOW ONLY WHEN APPLICABLE TO YOUR MODEL

- Use two or more people to move and install **unit**. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your **unit**, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 45°F (5°C) and below 90°F (32°C). [For optimal performance, install the unit where the ambient temperature is between 72° and 78°F (23°-26°C).] This unit must be installed in an area protected from the elements, such as wind, rain, water spray or drips.

- The unit should not be located next to ovens, grills or other sources of high heat.
- The unit must be installed with all electrical, water and drain connections in accordance with state and local codes. A standard electrical supply (115 V AC only, 60 Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required.
- Do not kink or pinch the power supply cord of the unit.
- The size of the fuse (or circuit breaker) should be 15 amperes.
- It is important that the equipment be leveled in order to work properly. You may need to make several adjustments to level it.
- All installations must be in accordance with local plumbing code requirements.
- Make certain that the pipes are not pinched, kinked, or damaged during installation.
- Check for leaks after connection.
- Never allow children to operate, play with or crawl inside the unit.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners may damage or discolor the interior.
- Use this equipment only for its intended purpose as described in this *Instruction Manual*.
- Keep fingers out of the “pinch point” areas. Clearances between the door and cabinet are necessarily small. Be careful closing the door when children are in the area.



Risk of child entrapment!

Child entrapment and suffocation are not problems of the past. Junked or abandoned appliances are still dangerous, even if they will “just sit in the garage a few days”.

Before discarding your old refrigerator:

- *Take off the doors*
- *Leave the shelves in place so that children may not easily climb inside.*

-SAVE THESE INSTRUCTIONS-

TABLE OF CONTENTS

<i>Equipment Safety</i>	2
<i>Important Safeguards</i>	2-3
<i>Technical Information</i>	5
<i>Installation Instructions</i>	6-9
<i>Before Using your Freezer</i>	6
<i>Installing the Freezer</i>	6
<i>Stabilization Period</i>	6
<i>Electrical Connection</i>	7
<i>Reversing the Door Swing</i>	7
<i>Door Handle Installation</i>	7
<i>Operating your Freezer</i>	8-
<i>Digital Thermostat</i>	8
<i>Temperature Monitoring Device (TMD)</i>	9-10
<i>Storage</i>	10
<i>Defrosting</i>	10
<i>Care and Maintenance</i>	11
<i>Cleaning your Freezer</i>	11
<i>Power Failure</i>	11
<i>Vacation Time</i>	11
<i>Moving your Freezer</i>	11
<i>Energy-Saving Tips</i>	11
<i>Troubleshooting</i>	12
<i>Limited Warranty</i>	13
<i>French Translation of this Manual</i>	14-24

TECHNICAL INFORMATION

Model Number	VT65MLVAC456	VT65MLVAC456ADA
Color	White	
Capacity	Gross capacity 3.2 cu. ft. Useable interior capacity 1.85 cu. ft.	
Electrical Input	115V AC/60 Hz	
Rated Current	1.3A	
Temperature Setpoint	-30°C	
Refrigerant	R134a (2.7 oz)	
Installation	Built-in or Free-standing	Built-in or Free-standing
Unit Dimensions (H x W x D)	33.5" to 34.5" x 23.63" x 23.5"	32.0" x 23.63" x 23.5"

NOTES:

- These freezers are suitable for storing vaccines, pharmaceuticals, and other temperature-sensitive materials.
- Specifications are subject to change without notice.

INSTALLATION INSTRUCTIONS

Before Using your Freezer

- Remove the exterior and interior packing.
- Check to be sure you have all of the following parts:
 - 3 drawers
 - Calibration certificate
 - 1 short drain tube
 - 2 keys

CAUTION: After unpacking you MUST allow this appliance to stand upright for at least 2 hours to allow the lubricant and refrigerant to drain back into the compressor and stabilize. Failure to do so may adversely affect performance and the lifetime of your unit.

- Remove the drawers and clean them and the interior surfaces of the unit with lukewarm water using a soft cloth.

Installing the Freezer

- Place the unit on a floor that is strong enough to support the appliance when it is fully loaded. To level the unit, adjust the two leveling legs at the front.
- This appliance can be installed either free-standing or built-in. If the unit will be built into an enclosure, you must still allow at least 1/4" of clear space on both sides and at the top, and 2" at the back. Take care that the air vents at the front are never covered or blocked in any way.
- Locate the unit away from direct sunlight and sources of heat (oven, heater, radiator, etc.). Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Extremely cold ambient temperatures may also affect the unit's performance.
- Avoid locating the unit in moist areas. Too much moisture in the air will cause frost to form quickly on the evaporator, requiring more frequent defrosting of the freezer.
- Plug the unit into an exclusive, properly installed and grounded wall outlet. Do not under any circumstances cut or remove the third (ground) prong from the power cord. Any questions concerning power and/or grounding should be directed toward a certified electrician or authorized service center.

Stabilization Period

- Prior to use, the unit shall be allowed to stabilize for at least twenty-four hours.

Electrical Connection

WARNING

Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

This unit should be properly grounded for your safety. The power cord of this unit is equipped with a three-prong plug that mates with a standard three-prong wall outlet to minimize the possibility of electrical shock. Do not under any circumstances cut or remove the third ground prong from the power cord supplied.

This unit requires a standard 115-volt AC/60Hz electrical outlet with three-prong ground. Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded. When a standard 2-prong wall outlet is encountered, it is your responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

To prevent accidental injury, the cord should be secured behind the unit and not left exposed or dangling.

The unit should always be plugged into its own individual electrical outlet having a voltage rating that matches the rating label on the appliance. This provides the best performance and also prevents overloading house wiring circuits that could cause a fire hazard from overheated wires. Never unplug the unit by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle. Repair or replace immediately any power cord that has become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end. When moving the unit, be careful not to damage the power cord.

Extension Cord

Do not use an extension cord with this appliance. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance

Reversing the Door Swing

The door swing of both of these units cannot be reversed in the field. When ordering in the future, always specify whether you need a right hand or left hand (option "LHD") door swing. All units ship with a right-hand door swing unless specified differently at the time of order.

Door Handle Installation

The door has two screw holes on each side, allowing you to install a handle (included). To do so, align the handle with the screw holes on the side you prefer. Fix the handle in place with the included screws, then cover the screw heads with the handle seal (included).

OPERATING YOUR FREEZER

NOTE: If the unit is unplugged, has lost power, or is turned off, you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this time delay, the freezer will not start.

Digital Thermostat



Your freezer is preset to -30 °C. If you find it necessary to change the temperature setting for your digital thermostat follow the instructions below.

To change the SET POINT

- To prevent accidental adjustment, the thermostat is locked. To unlock it, press the down arrow and hold for six seconds and ON will be displayed.
- To change the set point, push and immediately release the SET key. The display will flash, while the current set point value is blinking, press the UP or DOWN arrow to change the set point to your desired temperature. Press the SET button again to exit the adjustment. The display will revert to the internal air temperature. To lock the thermostat, press the down arrow and hold for six second and OFF will be displayed.

The default display for your digital thermostat the set point temperature. Once installed, the temperature monitoring device (alarm/thermometer) packaged inside your unit provides a temperature readout based on the buffered probe in order to better simulate the temperature of what is actually stored inside the unit (as opposed to the air temperature itself). As a result, these readings may not always display the same temperature reading.

NOTE: The DT displays the set point after the unit stabilizes to the set temperature. It only reads the air temperature during the stabilization period.

Temperature Monitoring Device (TMD-02)



Your appliance is equipped with a NIST calibrated temperature monitoring device (TMD) also referred to Thermometer/Alarm that simultaneously displays minimum, maximum, and current interior temperatures and provides a visual and audible signal when the temperature inside the unit falls outside the set temperature range.

NOTE: When you first receive your freezer, the TMD-02 is powered off. It will need to be turned on before use. To turn the thermometer/alarm on, press and hold the **VOL** button.

NOTE ABOUT CALIBRATION: All units ship with a two-year certificate of calibration in the alarm/thermometer box that comes inside your unit. Keep this certificate stored safely for your records. Accucold® offers re-calibration services through their ISO 17025:2017 certified calibration laboratory. It is recommended to have your TMD re-calibrated every two years (or one year, depending on your

state's health department guidelines). For more information on how to have your device re-calibrated or to replace a valid certificate, contact us at calibration@summitappliance.com. The temperature sensor, or probe, is enclosed in a glycol-filled bottle that is stored inside your unit in a special compartment.

Function of Controls

RESET Key: Press and hold to reset Max/Min temperature history.

ALARM ON/OFF: Press for 2 seconds to turn the alarm feature ON/OFF.

°C/°F Key: Press this button to change the temperature display scale from Celsius (°C) to Fahrenheit (°F).

VOL/🔊: Press once to choose between a high and low alarm sound level.

Programming the Alarms

By default, the high alarm temperature setting is -15°C (5°F) and the low alarm temperature setting is -50°C (-58 °F).

When the alarm is ON, the 📢 icon will be displayed, and you will receive visual and audible alarm notifications.

To program the high temperature alarm setting, press the HIGH ALARM key once to enter the high temperature alarm setting mode. HI-SET will display on the LCD screen. Press ▲ or ▼ to increase or decrease the value. Then, press the HIGH ALARM button to confirm. The LCD screen will return to the current temperature.

To program the low temperature alarm setting, press LOW ALARM key once to enter the low temperature alarm setting mode. LO-SET will display on the LCD screen. Press ▲ or ▼ to increase or decrease the value. Then press the LOW ALARM button to confirm. The LCD screen will return to the current temperature.

NOTE: The TMD can be locked to avoid accidental adjustments. By default, the TMD is unlocked. Long press °C/°F and VOL/🔊 keys simultaneously for 6 seconds to lock all the alarm features. LOCK will display on the screen when the unit is successfully locked. When the TMD is locked, the alarm features and functions are inaccessible, except for silencing beeping sound.

If the temperature rises above or falls below the set temperature range, the alarm will emit a beeping sound, and the HI-ALARM/LO-ALARM indicator on the display will blink until the temperature is back in range. To silence the alarm, press any button. The beeping sound lasts for 60 seconds, but the high and low indicators will remain on display even when the unit gets back in range. Press the LOW ALARM and RESET keys simultaneously to clear the LO-ALARM/HI-ALARM display indicators. The alarm will beep every 30 minutes if the same alarm event exists, even if the user has silenced the alarm. The alarm will NOT clear if an alarm event still exists.

More details about the features and usage of the TMD-02 can be found in the User Manual accompanying the unit.

This appliance is equipped with a 3/8" probe port and plug, which can accept additional monitoring devices. It is advisable to position the additional temperature monitoring device in the net usable area (inside the baskets, ideally the middle basket).

Storage

Store vaccines and other frozen items in any of the three drawers, below the loading line.



NOTE: Be sure to store all items below the top of the baskets within each shelf.

Defrosting

The appliances require manual defrosting. The appliance is equipped with a defrost indicator. It is located above the top drawer. For optimal performance, the freezer should be defrosted when the defrost indicator is no longer visible, when approximately ¼" of ice has formed inside the cabinet. Before defrosting the unit, remove the contents of the freezer, then set the thermostat to OFF (the compressor will stop working). Leave the door open until ice and frost are completely melted. To speed up defrosting, you can place a container of warm water (about 125°F) into the cabinet. Soak up the melt water with clean toweling or a sponge and be sure the interior is dry before turning the thermostat back to its normal setting.

NOTE: It is not advisable to heat the interior of the freezer directly with hot water or a hair dryer while defrosting since this can deform the cabinet interior.

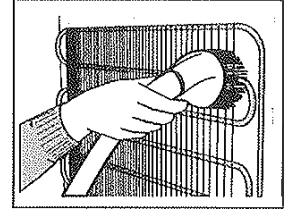
NEVER USE A METAL OBJECT TO REMOVE ICE FROM THE REAR WALL. IF NEEDED, USE A PLASTIC ICE-SCRAPER.

CARE AND MAINTENANCE

Cleaning your Freezer

CAUTION: Failure to unplug the unit before cleaning can result in electrical shock or personal injury.

1. Unplug the freezer and remove the frozen items and drawers.
2. Wash the inside surfaces with a solution of lukewarm water and vinegar. Wipe dry with a clean, soft cloth.
3. Wash the drawers with a mild detergent solution, then rinse and dry thoroughly.
4. Wash the outside cabinet with warm water and mild liquid detergent. Rinse well and wipe dry with a clean, soft cloth.
5. Wring excess water out of the sponge or cloth before cleaning the area of the temperature control or any electrical parts.
6. From time to time, wipe the condenser on the rear wall with a soft non-metallic brush or vacuum cleaner. (See illustration.)
7. After you have cleaned the appliance, reconnect it to the power supply and return the drawers and frozen items back to their place.



Power Failure

Most power failures are corrected within a few hours and should not affect the temperature of your freezer if you minimize the number of times the door is opened. If the power is going to be off for a longer period of time, you need to take the proper steps to protect your frozen items.

Vacation Time

During long absences, remove all the contents of the freezer. Unplug the freezer, clean it and leave the door open slightly to avoid possible formation of condensation, mold or odors.

Moving Your Freezer

1. Remove the contents of the freezer.
2. Securely tape down all loose items (e.g., drawers) inside your unit.
3. Turn the leveling legs up to the base to avoid damage.
4. Tape the door shut.
5. Be sure the freezer stays secure in the upright position during transportation.

Energy-Saving Tips

- The freezer should be located in the coolest area of the room, away from heat-producing appliances or heating ducts and out of direct sunlight.
- Try not to open the door too often, especially when the weather is damp and hot. Once you open the door, close it as soon as possible.
- Occasionally check if the appliance is sufficiently ventilated (adequate air circulation behind and in front of the appliance).
- Set the thermostat from higher to lower settings as soon as possible (depends on how loaded the appliance is, ambient temperature, etc.).
- Before loading items into the unit, be sure they are cooled to ambient temperature.
- A layer of frost and ice increases energy consumption, so defrost the appliance as soon as the layer is 1/8"-1/4" thick.

TROUBLESHOOTING

When using the freezer, you may come across some problems that in many cases result from improper handling of the appliance and can easily be eliminated.

The appliance fails to operate after being connected to the power source.

Check whether the power supply is active and that the (manual) thermostat is not set to the stop position.

The red light is on (manual thermostat), or unit is not cooling properly (digital thermostat).

The door was opened frequently, or it was left open too long.

The door is not properly closed (the door may sag; the gasket may be dirty or damaged).

The power supply has been interrupted for a long period of time.

The appliance may have been overloaded with unfrozen items.

The compressor is running continuously.

Set the (manual) thermostat from super to another setting.

Increase the Set Point on the (digital) thermostat slightly.

There may be inadequate ventilation of the compressor and condenser. (Assure there is adequate air circulation behind the appliance and wipe the dust from the condenser.) The space in front of the front air vents must be clear.

The freezer door is hard to open.

If you try to open the door after it has just recently been closed, you may find it hard to open. This is because, when you open the door, warm air gets into the appliance and when it is cooling, lower interior pressure seals the door.

The door can be opened more easily by slightly pressing the gasket against the door and pulling on the door.

After 5 to 10 minutes, the door can be opened easily.

Noise

Cooling in refrigeration appliances is enabled by the refrigerating system with compressor, which produces noise. How noisy the appliance is depends on where it is placed, how it is used and how old the appliance is.

During the operation of the compressor, the noise of liquid is heard and when the compressor is not operating, the refrigerant flow is heard. This is a normal condition and has no influence whatsoever on the lifetime of the appliance.

After starting the appliance, the operation of the compressor and the refrigerant flow may be louder. This does not mean that something is wrong. Gradually the noise is reduced.

Sometimes a louder noise is heard, which is unusual for the appliance. This noise is often a consequence of improper placement of the unit. (The freezer should be placed and leveled firmly on a solid base and it should not touch the wall or cabinets standing next to it.)

LIMITED WARRANTY

TWO-YEAR LIMITED WARRANTY

Within the 48 contiguous United States, for two years from the date of purchase, when this unit is operated and maintained according to instructions attached to or furnished with the product, warrantor will pay for factory-specified parts and repair labor to correct defects in materials or workmanship. Service must be provided by a designated service company. Outside the 48 states, all parts are warranted for two years from manufacturing defects. Plastic parts, shelves and cabinets are warranted to be manufactured to commercially acceptable standards and are not covered from damage during handling or breakage.

FIVE-YEAR COMPRESSOR WARRANTY

1. The compressor is covered for five years.
2. Replacement does not include labor.

ITEMS WARRANTOR WILL NOT PAY FOR:

1. Service calls to correct the installation of your equipment, to instruct you how to use your equipment, to replace or repair fuses or to correct wiring or plumbing.
2. Service calls to repair or replace unit light bulbs or broken shelves. Consumable parts (such as filters) are excluded from warranty coverage.
3. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of products not approved by warrantor.
4. Replacement parts or repair labor costs for units operated outside the United States.
5. Repairs to parts or systems resulting from unauthorized modifications made to the unit.
6. The removal and reinstallation of your unit if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR. WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.



WARNING: This product can expose you to chemicals including Nickel (Metallic) which is known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov

Note: Nickel is a component in all stainless steel and some other metallic compositions.