

## INSTALLING YOUR APPLIANCE

### Select Location

The proper location will ensure peak performance of your appliance. We recommend a location where the unit will be out of direct sunlight and away from heat sources. To ensure your product performs to specifications, the recommended installation location temperature range is from 55 to 100°F (13 to 38°C).

### Cabinet Clearance

Ventilation is required from the bottom front of the appliance. Keep this area open and clear of any obstructions. Adjacent cabinets and counter top can be installed around the appliance as long as the front grille remains unobstructed. All Professional models with articulated hinges are intended for built-in applications only.

#### CAUTION

### Front Grille

Do not obstruct the front grille. The openings within the front grille allow air to flow through the condenser heat exchanger. Restrictions to this air flow will result in increased energy usage and loss of cooling capacity. For this reason it is important this area to not be obstructed and the grille openings kept clean. Viking Range, LLC does not recommend the use of a custom made grille as air flow may be restricted. (See Figure 2).

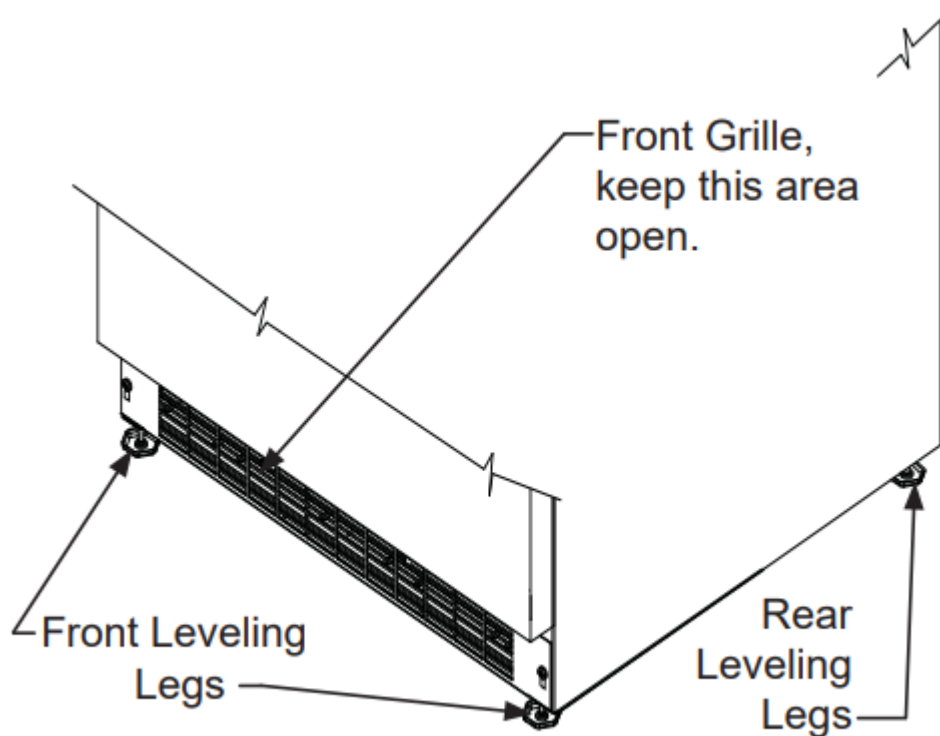


Figure 2

## Leveling Legs

Adjustable legs at the front and rear corners of the appliance should be set so the unit is firmly positioned on the floor and level from side to side and front to back. The overall height of your appliance may be adjusted higher (by turning the leveling leg out, CCW) and lower (by turning the leveling leg in, CW) dimensions as shown in Table "A".

To adjust the leveling legs, place the appliance on a solid surface and protect the floor beneath the legs to avoid scratching the floor. With the assistance of another person, lean the appliance back to access the front leveling legs.

Raise or lower the legs to the required dimension by turning the legs. Repeat this process for the rear by tilting the appliance forward using caution. On a level surface check the appliance for levelness and adjust accordingly.

The front grille screws may be loosened and the grille adjusted to the desired height. When adjustment is complete tighten the two front grille screws. (See Figure 5).

Model	Door Style	Minimum Height	Maximum Height
VRUI5240	(G)	33 3/4"	34 3/4"
VBUI5150		(85.7 cm)	(88.3 cm)
VBUI5240			

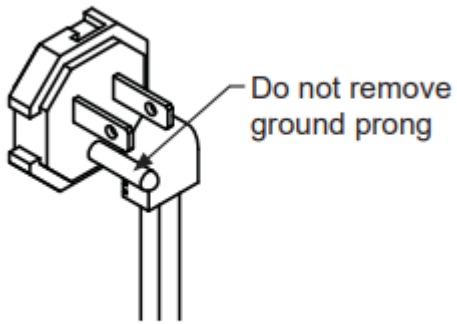


Figure 3

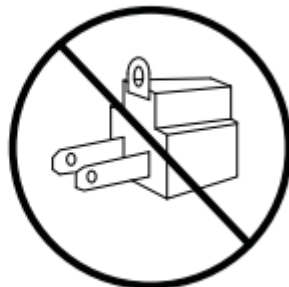


Figure 4

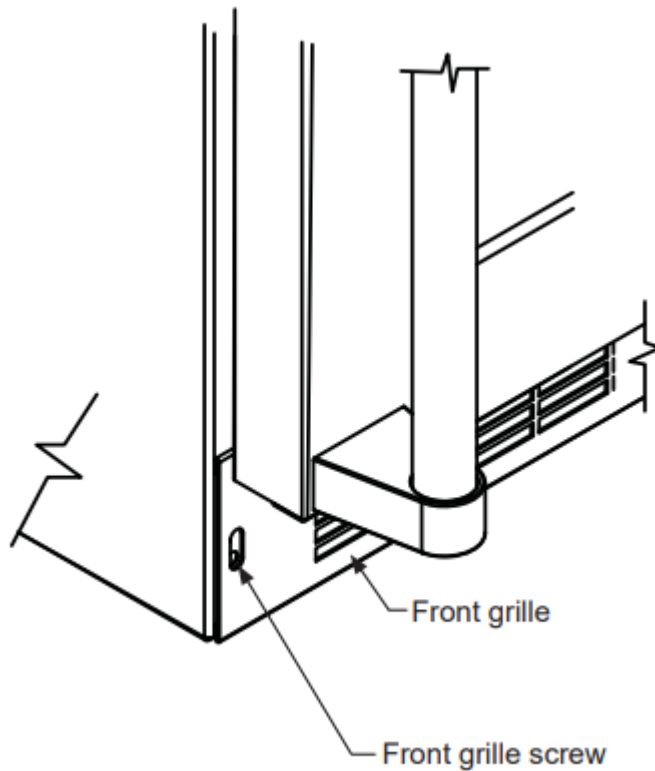


Figure 5

## WARNING

### Electrical Shock Hazard

- Do not use an extension cord with this appliance. They can be hazardous and can degrade product performance.
- This appliance should not, under any circumstances, be installed to an un-grounded electrical supply.
- Do not remove the grounding prong from the power cord. (See Figure 3).
- Do not use an adapter. (See Figure 4).
- Do not splash or spray water from a hose on the appliance. Doing so may cause an electrical shock, which may result in severe injury or death.

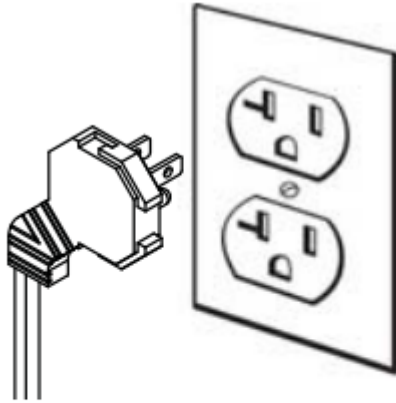
### Electrical Connection

A grounded 115 volt, 15 amp dedicated circuit is required.

This product is factory equipped with a power supply cord that has a three-pronged, grounded plug. It must be

plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances (see Figure 6). If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to provide the

proper power supply. The third ground prong should not, under any circumstances, be cut or removed.



**Figure 6**

**NOTE**

Ground Fault Circuit Interrupters (GFCI) are prone to nuisance tripping which will cause the appliance to shut down. GFCI's are generally not used on circuits with power equipment that must run unattended for long periods of time, unless required to meet local building codes and ordinances.

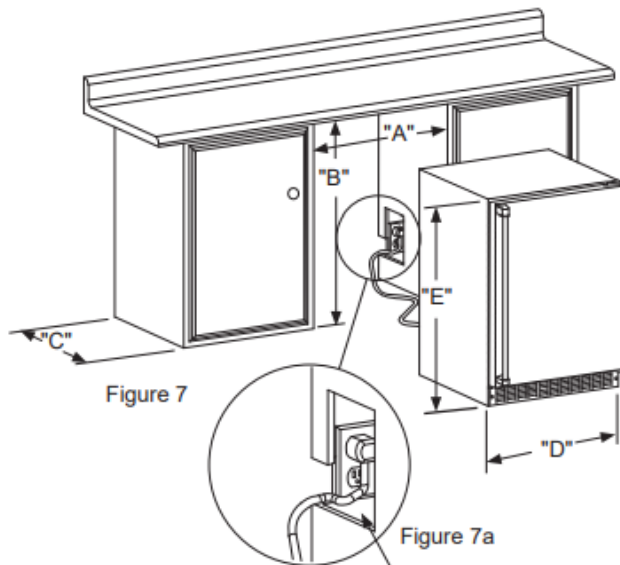
**PRODUCT DIMENSIONS**

MODEL	ROUGH-IN OPENING DIMENSIONS				
	"A"	"B"	"C"	"D"	"E"
VBUI5150	15" (38.1 cm)	**34" to 35" (86.4 to 88.9 cm)	*	14 7/8" (37.8 cm)	33 3/4" to 34 3/4" (85.7 to 88.3 cm)
VRUI5240 VBUI5240	24" (61 cm)	**34" to 35" (86.4 to 88.9 cm)	*	23 7/8" (60.7 cm)	33 3/4" to 34 3/4" (85.7 to 88.3 cm)



\* Depth dimension of rough-in opening may vary depending on each individual installation. To recess entire door "F" dimension plus 1" (2.5 cm) for thickness of power cord plug is required.

\*\* Minimum rough-in opening required is to be larger than the adjusted height of the cabinet.



If necessary to gain clearance inside the rough-in opening a hole can be cut through the adjacent cabinet and the power cord routed through this hole to a power outlet. Another way to increase the available opening depth is to recess the power outlet into the rear wall to gain the thickness of the power cord plug. Not all recessed outlet boxes will work for this application as they are too narrow, but a recessed outlet box equivalent to Arlington #DVFR1W is recommended for this application, (see Figure 8).

PRODUCT DATA		
MODEL	ELECTRICAL REQUIREMENTS #	PRODUCT WEIGHT
VBUI5150	115V/60HZ/15A	105 lbs (47.6 kg)
VRUI5240 VBUI5240	115V/60Hz/15A	140 lbs (63.6 kg)

# A grounded 15 amp dedicated circuit is required. Follow all local building codes when installing electrical and appliance.



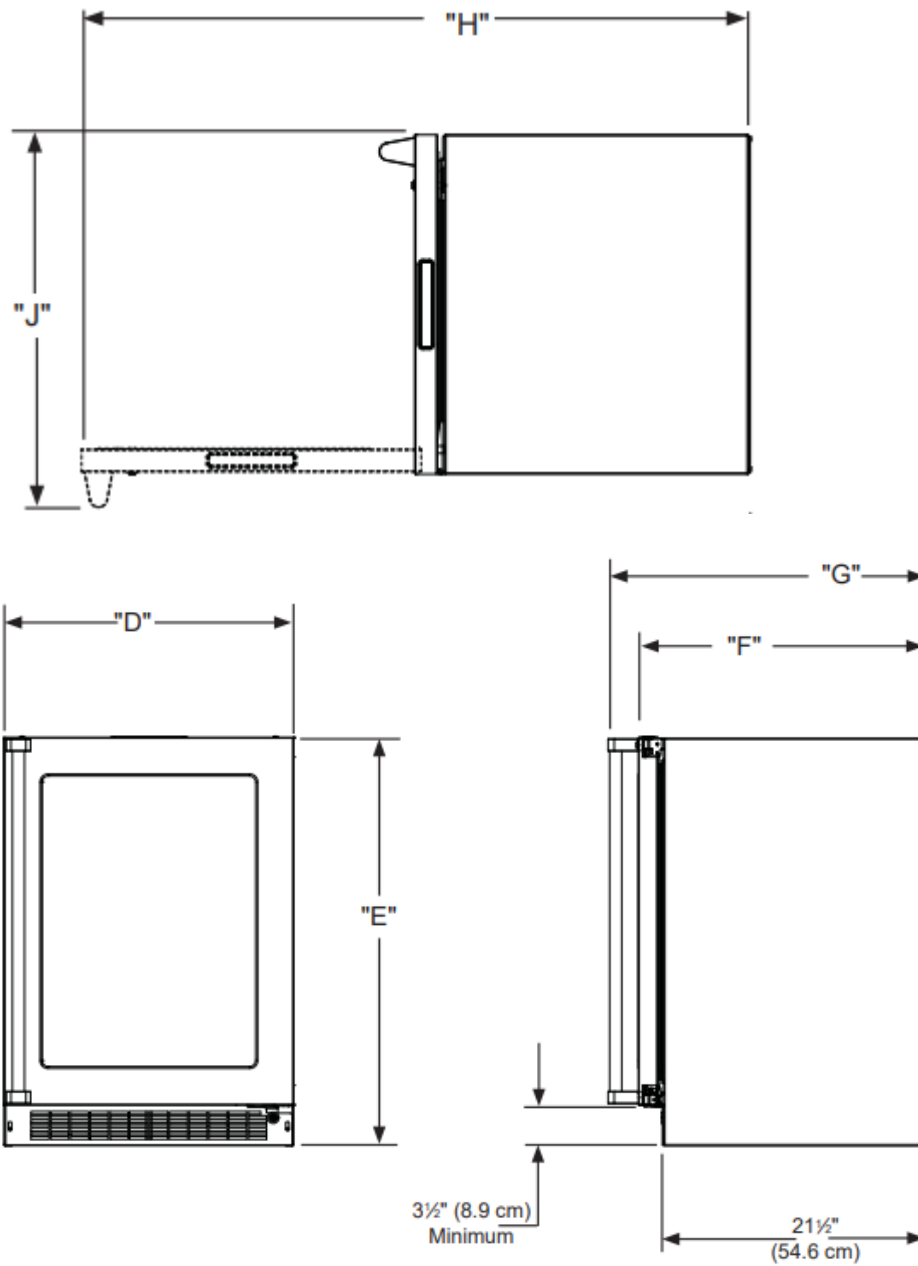


Figure 9

## USING YOUR ELECTRONIC CONTROL

Figure 10  
Electronic single  
zone control



## Starting your appliance:



Plug the appliance power cord into a 115 volt wall outlet. Your appliance is shipped from the factory in the "On" position and will begin start-up of cooling as soon as power is supplied. If the appliance does not start, confirm that the wall outlet has power, and that the control is in the "On" position, (See "Turning your appliance On and Off" below).

The control display is covered with a clear plastic film. This film may be removed by carefully lifting the film at a corner.

On initial power up, the control display will indicate a "Power Failure" alarm. This is a normal condition as the appliance was powered-up at the factory for quality inspection and then removed from power. A momentary press of the "On/Off" keypad will reset this alarm condition. (See Alarms section on page 10).



## Sleep mode:

If no keypads are pressed for 60 seconds, the display will enter sleep mode to conserve power. The control panel will go dark with the exception of the system status "OK" indicator which will remain enabled. Alarm conditions will wake the display, (see alarms on page 10).

**To make the following changes to the control settings (turning the appliance ON/OFF, adjusting the temperature, changing the interior lights, and activating vacation mode), the control must be awake.**

To wake the display press any keypad. A confirm tone will sound, and the current storage compartment temperature will be displayed.



The sleep mode can be disabled if you prefer to have the display on continuously. Press and hold the "Lock" key- pad until the display goes past "Loc" and reads "nSL". To enable the sleep mode, repeat the instruction, again going past "Loc" until the display reads "SLP".



### Turning your appliance ON and OFF:

If the appliance is "On", (and out of sleep mode) the tem- perature will be shown in the display area of the control. To turn the appliance "Off", press and hold the "On/Off" keypad for 4-seconds. "OFF" will now be displayed on the control.



To turn the appliance "On", press and hold the "On/Off" keypad for 4-seconds.



**Interior display lighting:** (Glass door models only) Your appliance is equipped with a dual light level display lighting feature. With the control out of sleep mode press the "Light" keypad once to activate the interior lighting display feature at full illumination. A confirmation tone will sound, and the light bulb "Icon" will illuminate. Pressing the "Light" keypad a 2nd time will dim the lighting to 50%. A 3rd press will deactivate the display lighting feature. The display lighting will automatically deactivate after 4-hours.



### Adjusting the temperature:

To set or check the set-point temperature (with the control out of sleep mode), press the "-" or "+" keypads. "SET" will be indicated on the user interface panel and the current set-point temperature will display and flash. Subsequent

presses of the "-" or "+" keypads will adjust the temperature colder or warmer respectively. When you have reached your desired set-point temperature, press the "On/Off" key-pad to accept, or do nothing and the "Set" mode will time-out in 10-seconds accepting the displayed temperature as the new set-point.

The available set-point temperature range for your appliance is 34°F (1.2°C) to 42°F (5.7°C). If you attempt to adjust the temperature outside of this range you will receive an audible notification.

When initially loading your product with warm contents, it may take up to 48-hours for the storage compartment temperature to stabilize.

When making temperature set-point changes, it may take up to 24-hours for the stored contents to stabilize at your new set-point temperature.

Factors that affect the storage compartment stabilized temperature:

- Changes to temperature setting.
- Room temperature changes.
- Temperature of stored contents.
  - Loading warm contents.
  - Cold content load will delay the change to a warmer set-point temperature.
  - Warm content load will delay the change to a colder set-point temperature.
- Usage, (number and duration of the door openings).
- Use of the storage compartment display lighting, (glass door product only).
- Installation of the appliance in direct sunlight or next to a heat source.



## Temperature mode:

The temperature mode is preset from the factory in Fahrenheit (°F) but you have the option to change it to Centigrade (°C). To change the mode, press and hold the "-" keypad, while pressing the "+" keypad, then release the "-" keypad. The temperature will now be displayed in Centigrade (°C). Repeat the procedure to change the temperature mode back to Fahrenheit (°F).



## Control lock:

The control panel can be locked to avoid unintentional changes. To lock the control, press and hold the "Lock" keypad until the display reads "Loc" then immediately release your finger from the keypad. The lock icon will flash 3-times and then continuously illuminate. When the control panel is locked, only the Lock keypad, System Status OK indicator, and the Alarm indicator are active. To un-lock the control panel, repeat this instruction until the display reads "nLc", then immediately release your finger from the keypad.



### NOTE



If the control lock is active (illuminated lock icon) the control will have to be unlocked before using the keypad to reset an alarm condition. See page 9 (Control Lock) for instructions for unlocking the control.

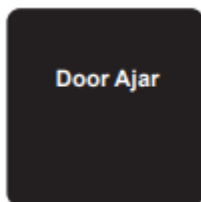
## Temperature Sensor Error Codes

The temperature sensors are monitored continuously. Any OPEN or SHORTED circuit condition will initiate an ERROR CODE as listed below:

Temperature Sensor Error Codes			
Sensor	Displayed Code	Error Description	Action
Single Zone Temperature Sensor		Failed temperature sensor in the single zone compartment. Can lead to unwanted storage temperatures and/or spoiled perishable goods.	Call service to repair temperature sensor, remove all perishable goods from the compartment to avoid spoilage.
Defrost Sensor		Failed defrost temperature sensor. Causes unit to not defrost properly and can create large frost build-up. Can lead to water damage to the unit and surrounding floor.	Unplug the power cord and call service to repair the defrost sensor.

### Alarms:

The control will alert you to conditions that could adversely affect the performance of the appliance.



•**Door ajar** - If the door is open, or not closed properly, for more than 5-minutes the System Status OK indicator will turn-off, the "Door Ajar" indicator will flash, and a tone will sound every 60 seconds. Additionally, an "ALARM RESET" indicator will be displayed below the "On/Off" keypad.



#### NOTE

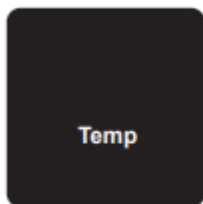
The audible alarm can be muted, for each occurrence, by pressing the lock keypad.

This alarm condition can be reset by closing the door or momentarily pressing the "On/Off" keypad, (i.e.-if you are cleaning the storage compartment, etc.). The alarm will recur in 5-minutes if the alarm condition persists.



•**Power failure** - If power to the appliance is interrupted the System Status indicator will turn off and the "Power Failure" indicator will flash. Additionally, an "ALARM RESET" indicator will be displayed below the

"On/Off" keypad. No audible tone will sound. This alarm condition can be reset by momentarily pressing the "On/Off" keypad. If this alarm occurs, it is recommended that you check the condition of any perishables, even if the appliance is operating normally and the temperature has recovered, as prolonged power outages could result in excessive temperature excursions which may spoil perishables.



•**Temperature alarm** - If the storage compartment temperature deviates excessively from your set-point temperature for an extended period of time, the "TEMP" indicator will flash, and an audible tone will sound every 60 seconds. Additionally, an "ALARM RESET" indicator will be displayed below the "ON/ OFF" keypad.

#### NOTE

After a high temperature alarm condition, check all perishables to ensure they are safe for consumption.

#### NOTE

The temperature alarm may occur as a result of high usage or introduction of warm contents to the storage compartment. If the temperature alarm continues to occur, your unit may require service.



#### NOTE

The audible alarm can be muted, for each occurrence, by pressing the lock keypad.

This alarm condition can be reset by momentarily pressing the "On/Off" keypad. If this alarm occurs it is recommended that you check the condition of your stored contents, even though the

appliance is operating normally and the temperature has recovered, as prolonged temperature excursions could spoil perishables.



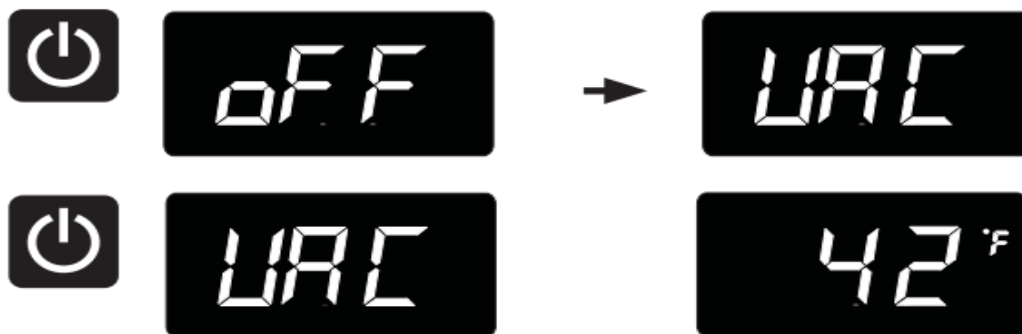
**NOTE**

Multiple alarms are possible, i.e.- "Door Ajar" for a prolonged period may trigger a "Temp" alarm, in which case both "Door Ajar" and "Temp" indicators will activate.

**Vacation mode:**

This operating mode can be used to save energy during high cost energy periods, or when you won't be using your appliance for an extended period of time by disabling the lights, alarm tones, and keypad entry tones. Vacation mode also serves as a Sabbath mode, disabling functions and its controls in accordance with the weekly Sabbath and religious holidays observed within the Orthodox Jewish community. When used as Sabbath mode, you may open or close the door at any time to access contents without concern of directly turning on or off any lights, digital readouts, solenoids, fans, valves, compressor, icons, tones, or alarms.

When activated, the display, alarm indicators and tones, keypad touch tones, interior lights, and all options are disabled. All keypad functions are disabled, with the exception of the "On/Off" keypad which is required to exit Vacation mode. Storage compartment temperatures are monitored and controlled at the settings prior to entering Vacation mode.



To enter Vacation Mode (with the control out of sleep mode), press and hold the "On/Off" keypad until the display goes past "OFF" and reads "VAC". The display will flash "VAC" 3-times to acknowledge your request, then will display "VAC" continuously until Vacation mode is exited.

A power outage will not exit Vacation mode, exiting can only be accomplished manually. To exit Vacation mode and return to normal operation, press and hold the "On/Off" keypad until the control displays the temperature.



# CARE AND CLEANING AND ENERGY SAVING TIPS

## Front Grille

Be sure that nothing obstructs the required air flow openings in front of the cabinet. At least once or twice a year, brush or vacuum lint and dirt from the front grille area (see page 4).

### CAUTION

**SHOCK HAZARD:** Disconnect electrical power from the appliance before cleaning with soap and water.

## Cabinet

The painted cabinet can be washed with either a mild soap and water and thoroughly rinsed with clear water. NEVER use abrasive scouring cleaners.

## Interior

Wash interior compartment with mild soap and water. Do NOT use an abrasive cleaner, solvent, polish cleaner or undiluted detergent.

## Care of Appliance

1. Avoid leaning on the door, you may bend the doorhinges or tip the appliance.
2. Exercise caution when sweeping, vacuuming or mopping near the front of the appliance. Damage to the grille can occur.
3. Periodically clean the interior of the appliance as needed.
4. Periodically check and/or clean the front grille as needed.

## In the Event of a Power Failure

If a power failure occurs, try to correct it as soon as possible. Minimize the number of door openings while the power is off so as not to adversely affect the appliance's temperature.

## Light assembly replacement

All models use an LED to illuminate the interior of the appliance. This component is very reliable, but should it fail, contact a qualified service technician for replacement of the LED.

## The following suggestions will minimize the cost of operating your refrigeration appliance.

1. Do not install your appliance next to a hot appliance (cooker, dishwasher, etc.), heating air duct, or other heat sources.
2. Install product out of direct sunlight.

- 3.Ensure the front grille vents at front of appliance beneath door are not obstructed and kept clean to allow ventilation for the refrigeration system to expel heat.
- 4.Plug your appliance into a dedicated power circuit. (Not shared with other appliances).
- 5.When initially loading your new product, or whenever large quantities of warm contents are placed within refrigerated storage compartment, minimize door openings for the next 12 hours to allow contents to pull down to compartment set temperature.
- 6.Maintaining a relatively full storage compartment will require less appliance run time than an empty compartment.
- 7.Ensure door closing is not obstructed by contents stored in your appliance.
- 8.Allow hot items to reach room temperature before placing in product.
- 9.Minimize door openings and duration of door openings.
10. Use the warmest temperature control set temperature that meets your personal preference and provides the proper storage for your stored contents.
- 11.When on vacation or away from home for extended periods, set the appliance to warmest acceptable temperature for the stored contents.
- 12.Set the control to the "off" position if cleaning the appliance requires the door to be open for an extended period of time.
- 13.For wine storage products:  
  
When serving temperatures are not required, return the compartment(s) set temperature to the ideal red and white wine long term storage temperature of 13°C / 55°F.

## TROUBLESHOOTING

### Before You Call for Service

If the appliance appears to be malfunctioning, read through this manual first. If the problem persists, check the troubleshooting guide below. Locate the problem in the guide and refer to the cause and its remedy before calling for service. The problem may be something very simple that can be solved without a service call. However, it may be required to contact your dealer or a qualified service technician.

### WARNING

### Electrocution Hazard

- Never attempt to repair or perform maintenance on the appliance until the main electrical power has been disconnected. Turning the appliance control "OFF" does not remove electrical power from the units wiring.

- Replace all parts and panels before operating.



Problem	Possible Cause	Remedy
Appliance not cold enough (See "Adjusting the temperature" on page 9)	<ul style="list-style-type: none"> <li>•Control set too warm</li> <li>•Content temperature not stabilized.</li> </ul>	<ul style="list-style-type: none"> <li>•Adjust temperature low 24 hours for temperature to stabilize.</li> </ul>
	<ul style="list-style-type: none"> <li>•Excessive usage or prolonged door openings.</li> </ul>	<ul style="list-style-type: none"> <li>•Allow temperature to stabilize at least 24 hours.</li> </ul>
	<ul style="list-style-type: none"> <li>•Airflow to front grille blocked.</li> </ul>	<ul style="list-style-type: none"> <li>•Airflow must not be blocked at front grille. See "Cleaning the front grille" on page 4.</li> </ul>
	<ul style="list-style-type: none"> <li>•Door gasket not sealing properly.</li> </ul>	<ul style="list-style-type: none"> <li>•Check door alignment and replace door gasket if necessary.</li> </ul>
Appliance too cold (See "Adjusting the Temperature" on page 9)	<ul style="list-style-type: none"> <li>•Control set too cold</li> </ul>	<ul style="list-style-type: none"> <li>•Adjust temperature high. Allow 24 hours for temperature to stabilize.</li> </ul>
	<ul style="list-style-type: none"> <li>•Door gasket not sealing properly.</li> </ul>	<ul style="list-style-type: none"> <li>•Check door alignment and replace door gasket if necessary.</li> </ul>
No interior light.	<ul style="list-style-type: none"> <li>•Failed LED light assembly or light switch.</li> </ul>	<ul style="list-style-type: none"> <li>•Contact a qualified technician.</li> </ul>
Light will not go out when door is closed	<ul style="list-style-type: none"> <li>•Display light is turned on. (Glass door models only.)</li> </ul>	<ul style="list-style-type: none"> <li>•Turn off display light.</li> </ul>
	<ul style="list-style-type: none"> <li>•Door not activating light switch.</li> </ul>	<ul style="list-style-type: none"> <li>•Appliance not level. (See "Leveling the Appliance" on page 4.)</li> </ul>
	<ul style="list-style-type: none"> <li>•Failed light switch</li> </ul>	<ul style="list-style-type: none"> <li>•Contact a qualified technician.</li> </ul>



Noise or Vibration	•Appliance not level	•Level appliance, see “Leveling the Appliance Legs” on page 4.
	•Fan hitting tube obstruction.	•Contact a qualified technician.
Appliance will not run.	•Appliance turned off	•Turn appliance on, see “Turning on your appliance” on page 4.
	•Power cord not plugged in.	•Plug in power cord, see “Plugging in the power cord” on page 4.
	•No power at outlet.	•Check house circuit breaker, see “Checking the house circuit breaker” on page 4.

### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

