



**INDOOR / OUTDOOR  
UNDERCOUNTER REFRIGERATION**  
Refrigerators, Freezers, & Beer Dispensers

Use & Care Manual

 HESTAN



### **Message from Hestan:**

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*Outdoor cooking is a perfectionist's pursuit, and with your new investment, you've now taken the ultimate step forward. We sincerely welcome you to the Hestan Family. We've engineered and built our products so that your guests will rave about your meal, but deep down, our customers know it could've been just a little more tender, juicier – a pinch more salt in the rub or a few seconds less on the flame. Yes, we've taken the time to know our Hestan customer and we're excited to be on this journey with you. Hestan Outdoor was born from this same perfectionist passion. Our engineers experimented, innovated, tweaked and tinkered until they created the most powerful, versatile and reliable outdoor products available.*

*We pride ourselves on restless innovation, superior engineering and purpose-built designs, but also our in-depth understanding of our target consumer and the interests and needs of the ultimate end-users we serve and covet. For many consumers, cooking outdoors is much more than an act of food preparation. It's a lifestyle activity that encompasses culinary, leisure and social pursuits among others.*

*We are thankful and proud that you have chosen Hestan, and we yearn to have you as a customer for life. We take your decision to choose Hestan most seriously, and we promise to deliver the very best to you.*

**Welcome to Hestan Outdoor**

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**READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE INSTALLING OR USING YOUR APPLIANCE TO REDUCE THE RISK OF FIRE, SHOCK HAZARD, OR OTHER INJURY. KEEP THIS MANUAL FOR FUTURE REFERENCE.**

**IMPORTANT!** Read and understand all information in this manual before attempting the installation. All plumbing and electrical work must be performed by a qualified technician and conform to all applicable state and local codes.

**INSTALLER:** LEAVE THIS MANUAL WITH THE OWNER OF THE APPLIANCE.

**HOMEOWNER:** RETAIN THIS MANUAL FOR FUTURE REFERENCE.

## SAFETY DEFINITIONS

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### **▲ DANGER**

THIS INDICATES A HAZARD THAT WILL RESULT IN SERIOUS INJURY OR DEATH IF PRECAUTIONS ARE NOT FOLLOWED.

### **▲ WARNING**

THIS INDICATES A HAZARD THAT MAY RESULT IN SERIOUS INJURY OR DEATH IF PRECAUTIONS ARE NOT FOLLOWED.

### **▲ CAUTION**

THIS INDICATES A HAZARD WHERE MINOR INJURY OR PRODUCT OR PROPERTY DAMAGE MAY OCCUR IF PRECAUTIONS ARE NOT FOLLOWED.

### **NOTICE**

THIS INDICATES THAT PRODUCT OR PROPERTY DAMAGE MAY OCCUR IF PRECAUTIONS ARE NOT FOLLOWED.

### **▲ DANGER**

**RISK OF FIRE OR EXPLOSION - FLAMMABLE REFRIGERANT USED.** Consult repair manual/owners guide before attempting to service this product. All safety precautions must be followed. To be repaired by trained service personnel only. Use caution when handling, moving and using the product to avoid damaging the refrigerant tubing or increasing the risk of a leak.

### **▲ WARNING**

All service work shall be performed by factory authorized service personnel and all component parts shall be replaced with like components to minimize the risk of possible ignition due to incorrect parts or improper service.

### **▲ CAUTION**

If service is necessary, repair work must be performed by a Hestan authorized service technician. Work done by unqualified individuals could potentially be dangerous and will void the warranty.



## SAFETY DEFINITIONS *(continued)*

**NOTICE** This product contains blown foam insulation using blowing agent R-611 (Methyl Formate). The foam in this product does not contain HFC's, CFC's, or HCFC's.

All models covered in this manual are manufactured using refrigerant R600a (Isobutane). R600a is a hydrocarbon. This refrigerant is flammable and is only allowed for use in appliances which fulfill the requirements of UL/IEC 60335-1 and UL/IEC 60335-2-24 (To cover potential risk originated from the use of flammable refrigerants). Consequently, R600a is only allowed to be used in refrigerating appliances which are designed for this refrigerant and fulfill the above-mentioned standard.

- R600a is heavier than air. The concentration will always be highest at the floor level.
- The explosion limits are as follows:
  - Lower Limit: 1.8% by volume
  - Upper Limit: 8.4% by volume
  - Ignition Temperature: 860°F [460°C]



## MODEL NUMBERS

Model No.	Description
GRS_24	INDOOR / OUTDOOR REFRIGERATOR, SOLID DOOR, 24"
GRS_24-XX	INDOOR / OUTDOOR REFRIGERATOR, SOLID DOOR, COLOR, 24"
GRG_24	INDOOR / OUTDOOR REFRIGERATOR, GLASS DOOR, 24"
GRG_24-XX	INDOOR / OUTDOOR REFRIGERATOR, GLASS DOOR, COLOR, 24"
GRR24	INDOOR / OUTDOOR REFRIGERATOR DRAWERS, 24"
GRR24-XX	INDOOR / OUTDOOR REFRIGERATOR DRAWERS, COLOR, 24"
GRFR24	INDOOR / OUTDOOR REFRIGERATOR DRAWER AND FREEZER DRAWER, 24"
GRFR24-XX	INDOOR / OUTDOOR REFRIGERATOR DRAWER AND FREEZER DRAWER, COLOR, 24"
GRWS_24	INDOOR / OUTDOOR DUAL ZONE REFRIGERATOR WITH WINE, SOLID DOOR, 24"
GRWS_24-XX	INDOOR / OUTDOOR DUAL ZONE REFRIGERATOR WITH WINE, SOLID DOOR, COLOR, 24"
GRWG_24	INDOOR / OUTDOOR DUAL ZONE REFRIGERATOR WITH WINE, GLASS DOOR, 24"
GRWG_24-XX	INDOOR / OUTDOOR DUAL ZONE REFRIGERATOR WITH WINE, GLASS DOOR, COLOR, 24"
GFDS_241	INDOOR / OUTDOOR SINGLE FAUCET BEER DISPENSER, SOLID DOOR, 24"
GFDS_241-XX	INDOOR / OUTDOOR SINGLE FAUCET BEER DISPENSER, SOLID DOOR, COLOR, 24"
GFDS_242	INDOOR / OUTDOOR DOUBLE FAUCET BEER DISPENSER, SOLID DOOR, 24"
GFDS_242-XX	INDOOR / OUTDOOR DOUBLE FAUCET BEER DISPENSER, SOLID DOOR, COLOR, 24"

\_ = Right (R) or Left (L) Hinged Model



GRSR24 shown



GRWGR24 shown



GRR24 shown



GFDSR241 shown



GFDSR242 shown

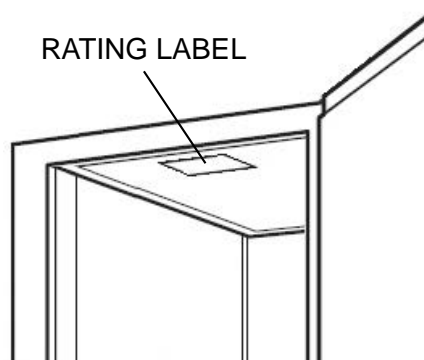
eco friendly  
R600a Refrigerant



## RATING LABEL

The rating label contains important information about your Hestan appliance such as the model and serial number, and refrigerant information if service is required.

The rating label is attached to the inside top of the cabinet.



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## REGULATORY / CODE REQUIREMENTS

Installation of this appliance must be made in accordance with local codes. In the absence of local codes, this unit should be installed in accordance with the National Electrical Code and local codes.

This appliance must be electrically grounded in accordance with local codes or in the absence of local codes with the National Electrical Code *ANSI/NFPA 70*, or Canadian Electrical code *CSA C22.1*.

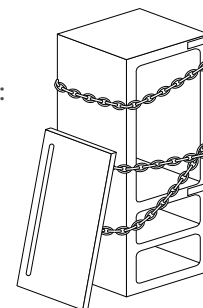
## IMPORTANT CHILD SAFETY

### **⚠ DANGER**

Risk of child entrapment. Before you throw away your old refrigerator or freezer:

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

NEVER allow children to play inside the appliance.



## PRECAUTIONS - BEFORE YOU USE YOUR APPLIANCE

When properly cared for, your Hestan undercounter refrigeration product will provide safe, reliable service for many years. When using this appliance, basic safety practices must be followed as outlined below.

**IMPORTANT:** Save these instructions for the local Utility Inspector's use if needed.

**INSTALLER:** Please leave these instructions with the owner.

**OWNER:** Please retain these instructions for future reference.

This appliance is NOT designed for installation in manufactured (mobile) homes or recreational park trailers.



## PRECAUTIONS - BEFORE YOU USE YOUR APPLIANCE *(continued)*

### PRIOR TO INSTALLATION

PLEASE CONSULT THE INSTALLATION MANUAL PROVIDED. Carefully inspect appliance for hidden damage. If damage is discovered, file your claim immediately with the transport company. Hestan is not responsible for damage in transit. Remove any packaging materials before operating.

**▲ DANGER** RISK OF FIRE OR EXPLOSION - FLAMMABLE REFRIGERANT USED. Use caution when handling, moving and using the product to avoid damaging the refrigerant tubing or increasing the risk of a leak.

**▲ CAUTION** When moving the unit, be sure to protect finished flooring with appropriate material to avoid damage from moving the unit. Do not lift unit by drawer, shelving or door handles, as damage to the unit could occur if not moved as instructed.

**▲ WARNING** To prevent personal injury, a minimum of two people are required to lift the unit. Larger units may require additional personnel.

Before moving the unit, secure the door shut with tape to prevent door from swinging open while being moved. Carefully move unit to installation site and place in front of opening.

**▲ CAUTION** If unit has been laid on its back or sides, place unit upright and allow a minimum of 24 hours before connecting power.

**NOTICE** The unit must NOT be totally enclosed or damage may occur. Air circulation must not be restricted. The condenser at the cabinet front must be provided with a minimum of 2" [5 cm] air space. Be sure to provide access so the front cover can be removed to clean the condenser.

**▲ DANGER** Do not store flammable liquids (i.e. Gasoline or Lighter Fluid) or vapors near the appliance to avoid a fire.

### ▲ DANGER

#### ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing appliance. Failure to do so can result in death or electrical shock.

### ▲ WARNING

#### ELECTRICAL GROUNDING

- This appliance must be grounded. Grounding reduces the risk of electric shock in the event of a short circuit. Read the ELECTRICAL CONNECTIONS section of the Installation Manual for complete instructions.
- DO NOT ground to a gas pipe.
- DO NOT use an extension cord with this appliance.
- DO NOT have a fuse in the NEUTRAL or GROUNDING circuit. A fuse in the NEUTRAL or GROUNDING circuit could result in an electrical shock.

Appliances equipped with a flexible electrical supply cord are provided with a three-prong grounding plug. It is imperative that this plug be connected to a properly grounded three-prong receptacle. If the receptacle is not the proper grounding type, contact an electrician.

- Never remove the grounding prong from this plug.
- Never use a 2-prong adapter.
- If a 2-prong receptacle is encountered, or a longer power cord is required, contract a qualified electrician to have it replaced in accordance with applicable electrical codes.
- The unit is designed for 115 volt AC power and must be plugged into a Ground Fault Circuit Interrupter (GFCI) protected circuit when installed outdoors.



## OPERATION



### MASTER SWITCH

Hestan refrigeration products come equipped with a master power switch located behind the louvered toe kick. Remove the toe kick/grille to turn power on or off to the unit.

### INTERIOR LIGHT

Door units are equipped with an interior light that illuminate when the door is opened. All models come standard with adjustable blue and white LED lighting. The cabinet also comes equipped with a manual light switch for displaying the products through a glass door.

Always ensure that the manual light switch is in the OFF position before closing a solid wood or stainless steel door. If manual light switch is left on for an extended period of time, it will increase energy usage and decrease LED life.

### LOADING PRODUCT

Before storing perishables, turn unit on and allow it to operate for a minimum of 24 hours to allow temperatures to stabilize. When loading items into the unit, do not block internal louvers and fan guard openings or performance will be decreased.

### CHECKING PRODUCT TEMPERATURE





1. To accurately check the temperature of product stored in the refrigerated compartment, insert an accurate thermometer into a plastic unbreakable bottle, partially filled with water. Tighten bottle cap securely.
2. Place the bottle in the desired area for 24 hours. Refrain from opening the unit during the testing period. After 24 hours, check the temperature of the water. Adjust the temperature accordingly using the following procedures:

## DIGITAL TEMPERATURE CONTROL



Figure 1. Digital Temperature Controller

### Programming Button Definitions:

- SET** SET button
-  DEFROST button (melting snowflake)
-  UP arrow
-  DOWN arrow
-  ON/OFF button

### DUAL ZONE CONTROL INSTRUCTIONS

#### ON / OFF

Press the ON/OFF button to turn the unit on or off.

#### Upper Compartment:

To view the upper compartment temperature, press and release the DEFROST button (melting snowflake).

#### Lower Compartment (Must be coldest zone):

Display reading always shows the lower compartment temperature.



## DIGITAL TEMPERATURE CONTROL *(continued)*

### Setpoint Display:

Press and release the SET button; display will read St1. Press SET again and the LOWER compartment setpoint will be displayed.

Press SET again; the display will read St2. Press SET again and the UPPER compartment temperature will be displayed.

### Changing the Lower Compartment Temperature:

1. Press and hold the SET button until the display shows St1 with "F" flashing.
2. Press SET again to display the lower compartment's current temperature ("F" will continue to flash).
3. Use the UP or DOWN arrow key to scroll to the desired temperature. The controller will memorize the new emperature.

### Changing the Upper Compartment Temperature:

1. Press and hold the SET button until the display shows St1 with "F" flashing. Press the DOWN arrow once; the display will read St2.
2. Press SET again to display the upper compartment's current temperature ("F" will continue to flash).
3. Use the UP or DOWN arrow key to scroll to the desired temperature. The controller will memorize the new temperature.

*NOTE: Dependent on the model and configuration, the controllers have been programmed to only allow a lower compartment temperature adjustment range as specified within the chart below. The upper compartment range is not limited, but should always be kept within the specified range shown in the table for the upper compartment. See the chart below for the specified range allowed for your unit.*

### Dual-Zone Units

MODEL	TEMPERATURE RANGE
GRFR24	Upper 30°to 42°F [-1 to +6°C] / Lower -10°to 10°F [-23 to -12°C]
GRWS_24 / GRWG_24	Upper 45°to 65°F [+7 to +18°C] / Lower 30°to 42°F [-1 to +6°C]

### Dual-Zone Temperature Scale

To change F to C, press and hold the down arrow for 3 seconds.

### To Start A Manual Defrost (GRFR24 Only)

Press and hold the DEFROST button (melting snowflake) for 3-5 seconds. Melting snowflake will illuminate.

## SINGLE ZONE CONTROL INSTRUCTIONS

### ON / OFF

Press the ON/OFF button to turn the unit on or off.

### To Set Target Temperature

Press and release the SET button. Display will show the current temperature setpoint.



## DIGITAL TEMPERATURE CONTROL *(continued)*



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### To Change Setpoint Temperature

1. Press and hold the SET button until the display shows the current setpoint temperature with the "F" flashing.
2. Use the UP and DOWN arrow button to scroll to the desired temperature.

### To Start A Manual Defrost (Freezer Models Only)

Press the DEFROST button (melting snowflake)

### To See Maximum Stored Temperature

Press the UP arrow button to see the maximum stored temperature.

To reset the maximum stored temperature, while displayed, press and hold the SET button until 'rst' flashes in the display.

### To See Minimum Stored Temperature

Press the DOWN arrow button to see the minimum stored temperature.

To reset the minimum stored temperature, while displayed, press and hold the SET button until 'rst' flashes in the display.






*NOTE: Dependent on the model and configuration, the controllers have been programmed to only allow a temperature adjustment within the specified range. See the chart below for the specified range allowed for your unit.*

### Single-Zone Units

MODEL	MIN. TEMP. SET	MAX. TEMP. SET
GRS_24	33°F [+1°C]	42°F [+6°C]

### LED Functions

The following table describes the LED functions.

LED	Mode	Function
	ON	Compressor is on
	Flashing	Anti-short cycle delay is on
	ON	Defrost is on
	ON	Alarm is on
	Flashing	You are in the process of programming the unit

**NOTICE** Audible alarm will sound if the door is left ajar for longer than 1 minute. Fully closing the door will clear the alarm condition. Prolonged time spent with the door open can damage the equipment.



# MAINTENANCE

## SEASONAL MAINTENANCE FOR UL-APPROVED OUTDOOR MODELS

### WINTERIZING

This process should occur when the daily low temperatures is at or below the temperatures stated below:

Refrigerator models: 38°F [+3°C]

Beverage Center/Beer: 42°F [+6°C]

Freezer models: 32°F [0°C]

Wine Reserve: 45°F [+7°C]

It is best to winterize your unit before the low temperatures listed above.

1. Turn the unit to OFF position by pressing the OFF button on the controller. The controller displays the word "OFF" and turn the master switch located behind the grille off (if the power cord is accessible, unplug the power cord. If not, turn off the circuit breaker to the electrical receptacle the cabinet is plugged into).
2. Remove all contents from the unit.
3. Remove the front grille.
4. Clean the condenser by using a vacuum cleaner to remove loose debris (leaves, dirt, etc.) that may have accumulated inside the grille.
5. Reinstall the front grille.
6. Clean the interior of the unit using stainless steel cleaner and polish (see page 11).
7. Clean the exterior of the unit using stainless steel cleaner and polish (see page 11).

*NOTE: Do not place a cover over the unit. While not required, you may choose to remove the unit from the outdoor location and store indoors.*

### **⚠ CAUTION**

Operating the unit at temperatures lower than those recommended will void the warranty.

### SPRING START-UP

This process should occur after the daily low temperatures is above the temperatures stated below:

Refrigerator models: 38°F [+3°C]

Beverage Center/Beer: 42°F [+6°C]

Freezer models: 32°F [0°C]

Wine Reserve: 45°F [+7°C]

1. Remove the grille.
2. Check the condensing unit to ensure it is clear of loose debris, and clean as necessary with a vacuum cleaner.
3. Reattach front grille to the unit.
4. Clean the interior of the unit using stainless steel cleaner and polish (see page 11).
5. Clean the exterior of the unit using stainless steel cleaner and polish (see page 11).
6. Plug the unit into the electrical receptacle or turn on the circuit breaker.
7. Turn on the master switch located behind the grille. Press the OFF button one time to turn the unit on. The controller display will show the actual temperature inside the cabinet.
8. The cooling process will begin to bring the unit to the set temperature. It is recommended you run the unit for 24 hours to stabilize the operating temperature before using.

### **⚠ DANGER**

Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected!

### LED REPLACEMENT

To receive parts and/or service and the name and telephone number of the nearest Hestan authorized service representative, please contact your Hestan dealer or distributor, or Hestan's Customer Service Department by calling 888-905-7463 or e-mailing [outdoorwarranty@hestan.com](mailto:outdoorwarranty@hestan.com)

# CLEANING



## STAINLESS STEEL CARE

Stainless Steel is widely used for catering and residential kitchen equipment because of its strength, its ability to resist corrosion, and its ease of cleaning. Unfortunately, the metal is often taken for granted and it is assumed that no problems will arise during its usage. However, some care is required to ensure a long service life of the appliance.

Stainless steel is a “passive” metal because it contains other metals like chromium, nickel and manganese that stabilize the atoms. Chromium provides an invisible passive film that covers the steel surface, acting as a shield against corrosion. As long as the film is intact and not contaminated, the metal is passive and stainless. If the passive film of stainless steel has been broken, equipment can start to corrode and rust.

Three materials or processes can break down stainless steel’s passive layer and allow corrosion to occur:

- Mechanical abrasion
- Deposits and water
- Chlorides

Mechanical abrasion refers to items that will scratch a steel surface. Steel pads, wire brushes and scrapers are prime examples.

Water comes out of the faucet in varying degrees of hardness. Hard water may leave spots. When allowed to sit, these deposits will break down the passive chromium layer and rust stainless steel. Other deposits from food preparation must be promptly removed with an appropriate cleaning agent.

Chlorides are found nearly everywhere. They are in water, food and table salt. Household and industrial cleaners are the worst offenders. Examples of products containing chlorides are bleach, and pool chlorine. Outdoor locations near a swimming pool, or near areas where liquid fertilizers are used can also contribute to corrosion of your Hestan products.

## PREVENTING STAINLESS STEEL RUST

Use non-abrasive tools to clean stainless steel products. Soft cloths and plastic scouring pads will not harm the steel’s passive layer. Clean with polish lines. Some stainless steels have visible polishing lines or “grain”. When visible lines are present, always scrub in a motion parallel to the lines. When the grain cannot be seen, polish in a consistent straight pattern and not in a circular motion.

Use alkaline, alkaline-chlorinated or non-chloride containing cleaners. While many traditional cleaners are loaded with chlorides, the industry is providing an ever-increasing choice of non-chloride cleaners. If you are not sure of chloride content in the cleaner being used, contact your cleaner supplier. If your present cleaner contains chlorides, ask your supplier for an alternative. Avoid cleaners containing quaternary salt; it also can attack stainless steel and cause pitting and rusting.

Keep food equipment clean. Use alkaline, alkaline-chlorinated or non-chloride cleaners at recommended strength. Clean frequently to avoid build-up of hard, stubborn stains. The single most likely cause of damage is chlorides in the water. Remember, adding heat to cleaners that contain chlorides dramatically increases their effect on stainless steel.

If chlorinated cleaners are used, immediately rinse and wipe equipment and supplies dry. The sooner you wipe standing water, especially when it contains cleaning agents, the better. After wiping equipment down, allow it to air dry. Oxygen helps maintain the stainless steel passive film.

## CLEANING THE CABINET INTERIOR / EXTERIOR

### **▲CAUTION**

NEVER use hydrochloric acid (muriatic acid) on stainless steel. Do not use abrasive cleansers or cloths on any interior or exterior surfaces or removable parts.

Glass panels may be cleaned using any standard glass cleaner available on the market.

To clean interior and exterior non-metallic surfaces and removable parts, wash with mild solution of soap and lukewarm water with a little baking soda. Rinse and dry thoroughly. Avoid getting water on the lights, controllers, fan motors and unfinished wood wine rack faces.



## CLEANING *(continued)*

### Cleaning the Condenser

The condenser (located behind the front grille cover) should be cleaned every three (3) months. Use a soft bristle brush and vacuum to remove dust and lint.

**▲ DANGER** FLAMMABLE REFRIGERANT - RISK OF FIRE OR EXPLOSION. Do not damage the refrigeration tubes.

**▲ CAUTION** Avoid damaging or crushing the condenser fins or tubing.

### CARE OF PAINTED SURFACES (IF APPLICABLE)

Hestan appliances are available in standard stainless steel, or 11 Hestan signature color finish options. The tough powder-coating on these panels are commonly used on automotive parts, and commercial and residential appliances because of their excellent chip resistance, and resistance to a variety of chemicals. The finish should hold up well outdoors in most conditions. However, like any painted surface, special care must be taken when cleaning this finish.

To clean your powder coated surface:

1. Carefully remove any loose deposits with a wet sponge.
2. Use a soft brush (non abrasive) or cloth, and a mild household detergent solution to remove dust, salt and other deposits. Never use any solvent-based cleaners, stainless steel cleaners, heavy degreasers, oven cleaners, etc. on the painted surfaces. They can permanently damage the paint.
3. Rinse off with clean fresh water and dry thoroughly.

### ADDITIONAL CONSIDERATIONS

Always keep the area at the front vent grille free of obstructions and debris. Backyard environments are harsh on your appliance's finish. Long exposure to sun, water, yard chemicals and the elements could diminish the appearance of the stainless steel. This is very evident in ocean-front locations.

Our appliance materials have been tested in saline solutions with higher salinity than seawater. They have also been tested by exposure to highly acidic foods. During and after these tests, we found these materials were able to withstand exposure over prolonged periods of time. However, the above-mentioned corrosive substances, along with neglect, can lead to a situation whereby conditions might combine to cause some damage to occur.

For those in desert communities, wind-driven sand is highly abrasive and constant exposure will eventually pit and scratch the surface.

## CLEANING *(continued)*



### Recommended Cleaners for Specific Situations

Job	Cleaning Agent	Comments
Routine cleaning.	Soap, ammonia, detergent	Apply with sponge or soft cloth
Fingerprints and smears.	Areal 20, Lac-O-Nu, Lumin Wash, O-Cedar Cream Polish	Provides barrier film to minimize fingerprints. Can be used on all finishes. Rub the surface with a cloth as directed on the package.
Stubborn stains and discolorations.	AllChem Concentrated Cleaner, Samae, Twinkle, Cameo Copper Cleaners, Grade FFF Italian Pumice Whiting, Steel Bright, Lumin Cleaner, Zud Restoro, Sta-Clean, Highlite Cooper's Stainless Steel Cleaner or Revere Stainless Steel Cleaner	Apply with a damp sponge or cloth, then rinse with clear water and wipe dry.
	Old Dutch, Lighthouse Sunbrite, Wyandotte Bab-O, Gold Dust, Sapollo, Bon Ami or Comet	For these household cleaners, rub with a damp cloth. They may contain chlorine bleaches so rinse thoroughly after use and wipe dry.
	Liquid NuSteel or Dubois Temp	For these products, rub the surface with a dry cloth using only a small amount of cleanser. Rinse with water and dry.
Heat tint or heavy discoloration.	Penny-Brite, Copper Brite, Paste Nu-Steel, Dubois Temp or Tarnite	Rub onto surface with a dry cloth.
	Bar Keepers Friend, Revere Stainless Steel Cleaner, Allen Polish, Steel Bright Wyandotte Bab-O or Zud	When using these cleaners, apply with a damp sponge or cloth, rinse thoroughly and wipe dry.
Tenacious deposits, rust, discoloration, industrial atmospheric stains.	Oakite No. 33 Dilac, Texo NY, Flash-Klenz Caddy Cleaner, Turco Scale 4368 or Permag 57	Swab and soak with a clean cloth. Let stand for 15 minutes or more according to directions on package, then rinse and wipe dry.
Rust discoloration or corrosion caused by cleaning agents containing hydrochloric (muriatic) acid or chlorine bleach.	3M Scotch Pad, type A, grade "fine"	Clean off surface soil using cleaning methods above. Then rub discolored or corroded areas lightly with a dry pad.
<p><i>Use of property names is intended only to indicate a type of cleaner and does not constitute an endorsement. Omission of any proprietary cleaner does not imply its inadequacy. All products should be used in strict accordance with instructions on the package.</i></p> <p><b>NOTE: Do NOT use steel wool or scouring pads to clean stainless steel.</b></p>		

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## DISPOSAL



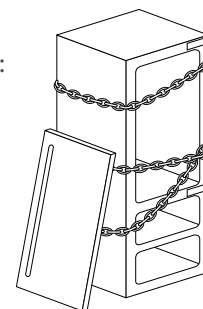
### **⚠ DANGER**

Risk of child entrapment. Before you throw away your old refrigerator or freezer:

- Take off the door.
- Leave the shelves in place so that children may not easily climb inside.
- Do not allow children to play inside, on, or around the appliance.

### **⚠ WARNING**

Risk of fire or explosion. Please dispose the appliance according to federal or local regulations for its flammable refrigerant and blowing gas.





## TROUBLESHOOTING

If the unit appears to be malfunctioning, read through the OPERATION section of this manual first. If the problem persists, check this troubleshooting section to see if you can refer to the cause and remedy of the problem and resolve it without a service call.

### **⚠️WARNING**

Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected!

### **⚠️DANGER**

**RISK OF FIRE OR EXPLOSION - FLAMMABLE REFRIGERANT USED.** Consult repair manual/ owners guide before attempting to service this product. All safety precautions must be followed. To be repaired by trained service personnel only. Do not puncture refrigerant tubing.

Problem	Cause	Solution
No interior light.	LED board is inoperable.	Contact Hestan Customer Care.
Light stays on when door switch is closed.	Manual light switch is on.	Turn manual light switch off.
	Door is not making contact with the door switch.	Make sure the door closes tightly.
Noisy operation.	Soft sounds from compressor, fan motor and valves heard.	Normal operation.
	"Crackling" sound during defrost.	Normal operation.
LED Controller display is flashing "P1"	Thermostat probe has failed.	Contact Hestan Customer Care.
LED Controller display is flashing "P2"	Evaporator probe has failed.	Contact Hestan Customer Care.
LED Controller display is flashing "HA"	Internal compartment has exceeded the high temperature alarm preset value for over 30 minutes.	<ul style="list-style-type: none"> <li>* Make sure the door is completely closed.</li> <li>* Check the door gasket seal. Replace if necessary.</li> <li>* Check the condenser and clean it if necessary.</li> <li>* Make sure the louvered plate is unobstructed. If surrounding ambient temperature has recently changed dramatically, the compartment may be affected.</li> <li>* Make sure the interior light is off.</li> <li>* Warm product was recently placed in the cabinet. Wait 24 hours for the product to chill and then recheck the temperature.</li> </ul>
LED Controller display is flashing "LA"	Internal compartment has exceeded the low temperature alarm preset value for over 30 minutes.	<ul style="list-style-type: none"> <li>* Make sure the door is completely closed.</li> <li>* Check the door gasket seal. Replace if necessary.</li> <li>* If the surrounding ambient temperature has recently changed dramatically, the compartment temperature may be affected.</li> </ul>
LED Controller display is flashing "dA"	Door is open.	* Make sure the door is completely closed.
Unit is not running.	No power is going to the unit.	<ul style="list-style-type: none"> <li>* Home circuit breaker was tripped. Reset the circuit breaker.</li> <li>* ON/OFF keypad is turned off. Turn it on.</li> <li>* If it is a Dual-Zone model, check the DualZone power switch (see page 7).</li> </ul>
	Condenser is dirty.	Clean the condenser.

## TROUBLESHOOTING *(continued)*



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Problem	Cause	Solution
Compartments are warmer than usual.	Control preset is set too warm.	Lower the setpoint temperature. Refer to changing the set point for the specific model.
	Light is staying on.	Turn manual light switch off.
	Condenser is dirty or obstructed.	Clean the condenser and clear obstruction.
	The door is open or has been opened more frequently lately.	Wait 24 hours and recheck the temperature.
	Internal louvers and/or the fan guard is obstructed.	* Reset the preset temperature if necessary – refer to page 7-9 of this guide. * Make sure the louvers and/or the fan are not obstructed.
	Warm product was recently placed in the cabinet.	Wait 24 hours for product to chill, then recheck the temperature.
System runs for a long period of time.	Condenser is dirty or obstructed.	Clean the condenser and clear the obstruction.
	Door was kept open for a long time or was opened more frequently, or warm product was recently placed in the cabinet.	Wait 24 hours and recheck temperature.
	Hot day and warm room temperature.	Normal for the system to run more frequently.
Condensation forms outside of the unit.	High humidity and/or frequent door opening.	Normal operation.
Condensation forms inside the compartments.	High humidity and/or frequent door opening.	Normal operation.
	Door is not closing and sealing properly.	Make sure the door is closing properly. Check the door seal and replace if necessary.  If condensation persists, contact Hestan Customer Care.



## LIMITED WARRANTY

### WARRANTY

Hestan Commercial Corporation (“Hestan”) warrants to the original retail purchaser that during the Basic Warranty Period, Hestan’s products will be free from defects in material and workmanship, and during the Extended Warranty Period, the hermetically sealed refrigeration system contained in Hestan’s undercounter refrigerator will be free from defects in material and workmanship. This system consists entirely of the compressor, condenser, drier, connecting tubing, evaporator and hot gas bypass valve.

The Basic Warranty Period is as follows:

- For a new product or floor display model, the two (2) year period commencing on the date of purchase by the original retail purchaser.

The Extended Warranty Period applies only to the hermetically sealed refrigeration system contained in Hestan’s undercounter refrigerators. The Extended Warranty Period is the portion of the five (5) year period commencing on the date of purchase by the original retail purchaser that is not covered by the Basic Warranty Period.

### REMEDY:

Hestan will provide the parts and labor necessary to repair or replace (at Hestan’s option) any parts proven to be defective in material or workmanship during the Basic Warranty Period. Hestan will provide the replacement parts, but not the labor, for any parts of the hermetically sealed refrigeration system proven to be defective in materials or workmanship during the Extended Warranty Period.

The cost of freight to ship the replacement parts will be paid by Hestan. Replacement parts are warranted for the remainder of the original warranty period, or ninety (90) days, whichever is longer.

### REGISTRATION:

Your Hestan product can be registered via the online Product Registration form at [www.hestanhome.com](http://www.hestanhome.com).

### OTHER TERMS AND CONDITIONS

This Warranty applies only to products installed in the fifty states of the United States, the District of Columbia and the ten provinces of Canada.

To obtain the warranty coverage described in this Warranty, Hestan or its authorized distributor or dealer must receive written notice of the warranty claim within the applicable warranty period. To receive parts and/or service and the name and telephone number of the nearest Hestan authorized service representative, please contact your Hestan dealer or distributor, or Hestan’s Customer Service Department by calling 888-905-7463, or e-mailing [outdoorwarranty@hestan.com](mailto:outdoorwarranty@hestan.com).

All service provided by Hestan under this Warranty must be performed by Hestan’s authorized service representatives, unless otherwise specified by Hestan in writing. Service will be provided during normal business hours.

This Warranty applies only to the original retail purchaser of the Hestan product, and may not be assigned or transferred.

This Warranty does not apply to:

- Damage to Products occurring during transportation.
- Products that are used in a manner that is not normal residential or light commercial use.
- Products that are: improperly installed; misused or abused; operated with low voltage; wired in a manner not conforming to electrical codes; not properly operated in accordance with Hestan’s instructions; not cleaned or maintained in accordance with Hestan’s instructions, modified; or damaged by lightning other acts of nature.
- Consumable items such as light bulbs.



## LIMITED WARRANTY *(continued)*



- Cosmetic damage.
- Adjustments to controls, door reversal, cleaning the condenser or other routine maintenance.
- Products for which the original proof of purchase, delivery date or serial number cannot be verified.
- Products for which the defective parts are not returned for inspection if requested by Hestan.
- Damage to other property caused by the products, including but not limited to loss of food due to spoilage and damage caused by water leakage.

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THIS LIMITED WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; PROVIDED HOWEVER, THAT TO THE EXTENT REQUIRED BY LAW, IMPLIED WARRANTIES ARE INCLUDED BUT DO NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY FIRST SET ABOVE.

HESTAN'S SOLE LIABILITY AND YOUR EXCLUSIVE REMEDY UNDER THIS WARRANTY ARE SET FORTH IN THE PARAGRAPH ENTITLED "REMEDY" SET FORTH ABOVE.

HESTAN SHALL HAVE NO LIABILITY WHATSOEVER FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING FROM THE SALE, USE OR INSTALLATION OF THE PRODUCT OR FROM ANY OTHER CAUSES WHATSOEVER, WHETHER BASED ON WARRANTY (EXPRESS OR IMPLIED) OR OTHERWISE BASED ON CONTRACT, TORT OR ANY OTHER THEORY OF LIABILITY. IN NO EVENT SHALL HESTAN'S LIABILITY WITH RESPECT TO A PRODUCT EXCEED THE PURCHASE PRICE OF THE PRODUCT.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions 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.

Any questions about this Limited Warranty may be directed to  
Hestan Commercial Corporation at (888) 905-7463



