

SECTION 3. OPERATION

3-1. INTRODUCTION

This section provides the daily operating procedure for your display counter warmer. Read the Introduction Section and this section before operating the cabinet. Also, refer to the Installation Section to be sure the cabinet has been properly installed.

3-2. OPERATING CONTROLS

The following figures identify and describe the function of all the operating controls and the major components of the cabinet.

3-2. OPERATING CONTROLS (Continued)

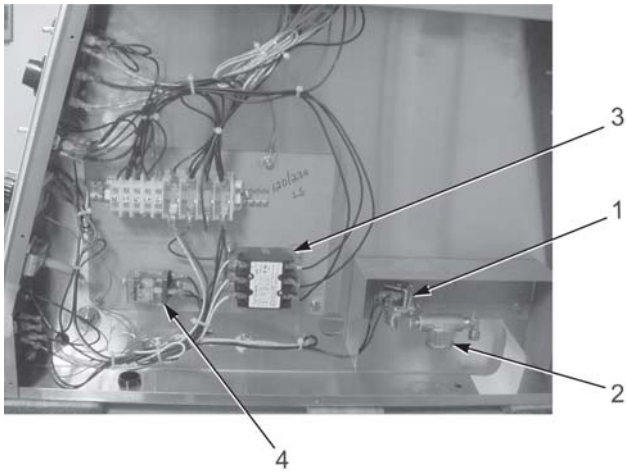


Figure 3-1

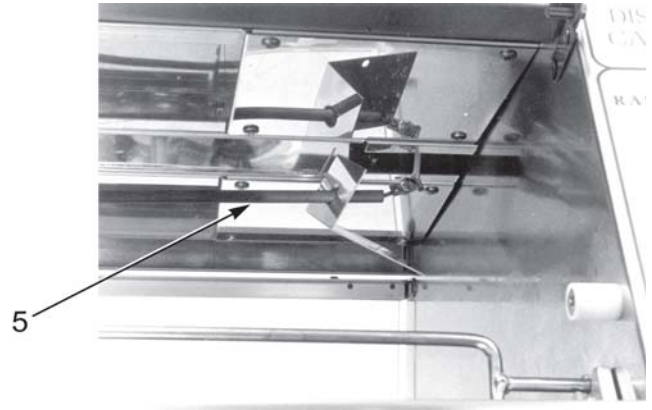


Figure 3-2

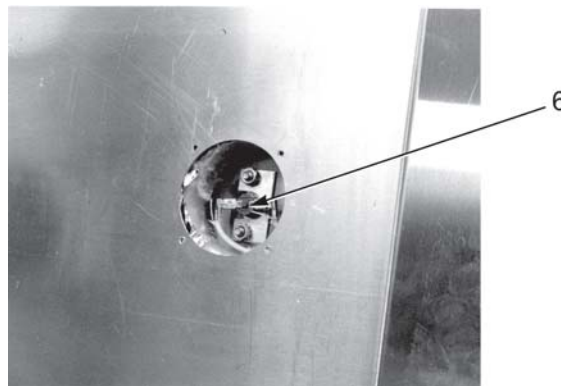


Figure 3-3



Figure 3-4



Figure 3-5

3-2. OPERATING CONTROLS (Continued)

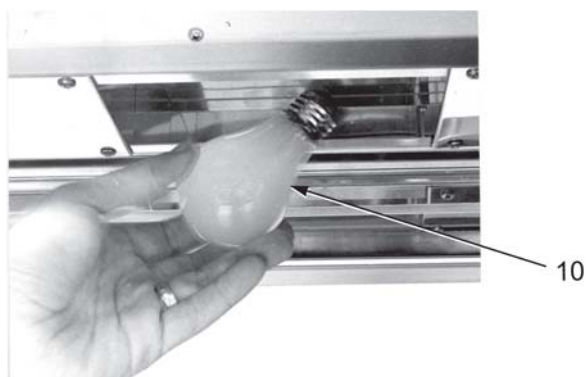


Figure 3-6

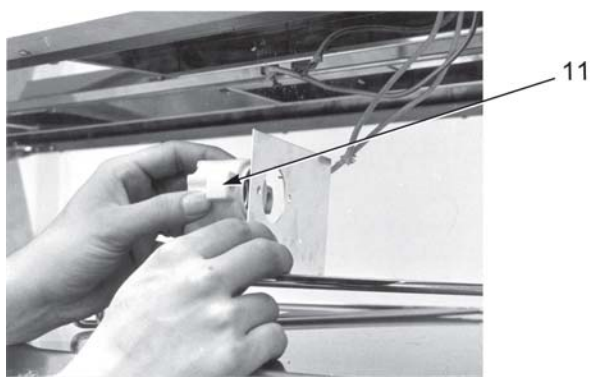


Figure 3-7

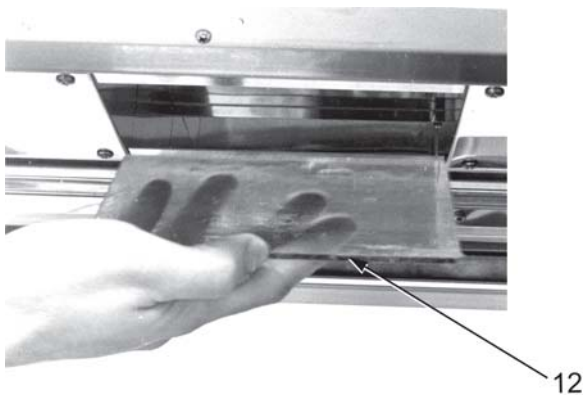


Figure 3-8

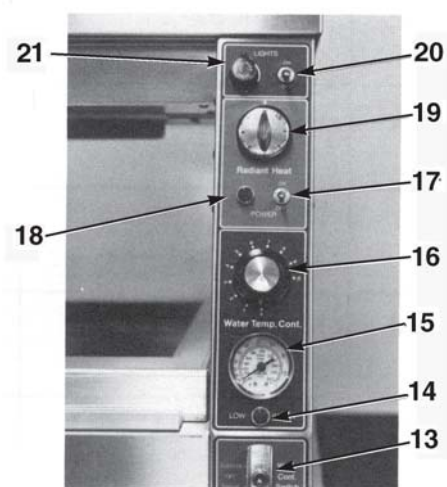


Figure 3-9

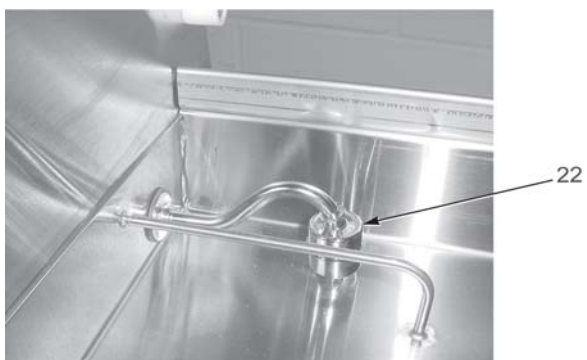


Figure 3-10

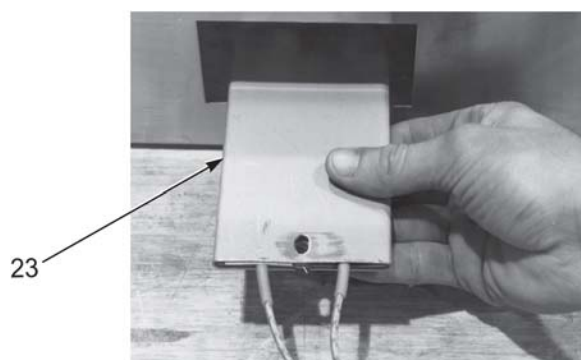


Figure 3-11

3-2. OPERATING CONTROLS (Continued)

Fig. No.	Item No.	Description	Function
3-1	1	Water valve	An electrical solenoid valve energized by the float switch or the water control switch (in manual position); when open, it allows water to flow into the water pan
3-1	2	Water strainer	A filter to prevent particles from plugging the water valve
3-1	3	Contactor	The relay that directs power to the water heaters
3-1	4	Relay	Shuts the heat off to the water pan when a low water condition is sensed by the float switch
3-2	5	Radiant heater	A long tubular heater mounted in a reflector located in the ceiling panel of the unit
3-3	6	Hi-limit thermostat	A safety device mounted to the bottom of the water pan which detects an over temperature condition if the water pan runs dry
3-4	8	Water pan insert	Holds the pans in place over the water
3-5	9	Pan support-top	Tilts the pans used in the top toward the customer side of the unit
3-6	10	Light bulb	A 60 watt rated long-life bulb that should be replaced by a bulb of the same rating
3-7	11	Lamp socket	A high temperature ceramic socket for holding the light bulb
3-8	12	Tinted glass panel	Specially tempered colored glass with a thin film of silicone that protect the light bulbs and colors the light
3-9	13	Water control switch	A three-position switch on which the center position is off; in the position marked AUTOMATIC (up), water level in the unit will be controlled by the float switch; in the position marked MANUAL (down), water valve is opened directly by the switch; the MANUAL position is spring loaded so that the water valve will close when the switch is released
3-9	14	Water light	A light, operated directly by the float switch, that indicates low water conditions, regardless of the position of the water control switch; the low water level is indicated when the light is illuminated
3-9	15	Thermometer	Indicates the water temperature
3-9	16	Water Thermostat	An electro-mechanical device used to regulate the water temperature
3-9	17	Power Switch	A two-position, three pole switch used to turn on and off the heat and water control systems

3-2. OPERATING CONTROLS (Continued)

Fig. No.	Item No.	Description	Function
3-9	18	Power Light	Illuminates when the power switch is on and the heat and water system controls are energized; if the power light goes off during normal operation, this means the water pan hi-limit device has opened indicating that the unit is out of water
3-9	19	Radiant Heat Infinite Regulator	The infinite regulator is a time proportioning controller; the higher the number set means the radiant heat will be on a greater percentage of time
3-9	20	Light Switch	The light switch is a two-position, two pole switch used to turn the lights on and off
3-9	21	Light Fuse Holder	The fuse holder is a protective device for the lighting circuit; the fuse is a 15 amp rating and must be replaced by a fuse of the same size and rating
3-10	22	Float Switch	An electro-mechanical sensing device used to automatically control the water level in the water pan; the sensor can be inactivated by the water control switch; the sensor illuminates the low water light when it senses a low water condition
3-11	23	Water Heater	The water heater is a flat strip heater which measures approximately 3" wide by 25" long; there are two heaters rated at 1020 watts each attached to the bottom of the water pan

3-3. START-UP



Step 2

NOTICE

Before using, the Henny Penny Display Counter Warmer should be thoroughly cleaned as indicated in the Shut-down and Clean-up section of this manual.

1. Move all switches and controls on the cabinet to the OFF position.
2. Turn on power supply for the cabinet at the main circuit breaker.

3-3. START-UP (Continued)



Step 3

3. Place pans into the water pan insert.
4. Install and close the doors.
5. Turn the power switch to the ON position.
6. Turn the light switch to the ON position.
7. Turn the radiant heat switch to the desired setting. We recommend stating at 6 for the lower radiant. If you have upper radiant, start at 4. These settings are adjustable and may change as you become familiar with the food product in this unit.
8. Turn the water control switch to automatic.
9. After approximately 1 minute, turn the water thermostat to the desired setting. We recommend about 3.5 to 4 or a water temperature of 150°F (66°C).

3-4. OPERATION WITH PRODUCT

1. Place product in the pans.
2. Serve product from the outside edges first. The product closest to the door opened often will cool fastest.
3. Only leave the doors open when demand requires. During slow periods, keep the doors closed.

NOTICE

Open the doors only when product is being placed in or removed from the unit. Leaving the doors open for an extended period of time may create an improper environment for the product.

When checking the CW to make sure it's holding the product properly, use a temperature probe or pocket thermometer on the product and the water in the bottom of the unit. The product is kept warm by radiant heat and checking the air temperature inside the CW will NOT indicate if the product is holding at the proper temperature. Also, even though the unit has a thermometer on the controls for the water temperature, it may not accurate.

3-5. SHUT-DOWN AND CLEAN-UP



Drain Standpipe —

1. Turn the water thermostat to OFF.
2. Turn the radiant heat to OFF.
3. Turn the water control switch to OFF.
4. Remove the doors.
5. Remove all the pans.
6. Remove the drain standpipe.
7. Remove the insert from the water pan and clean with soap and water at sink.
8. If you have a two tier unit (CW-216), remove wire pan support from top section and clean with soap and water at sink.

CAUTION

Do not use steel wool, other abrasive cleaners, or cleaners/sanitizers containing chlorine, bromine, iodine, or ammonia chemicals, as these will deteriorate the stainless steel, and glass material, and shorten the life of the unit.

Do not use a water jet (pressure sprayer) to clean the unit, or component failure could result.

9. Clean all surfaces with a soft cloth, soap, and water.
10. Clean around electrical controls with a damp cloth.
11. Install the drain standpipe and insert.
12. Turn off the lights.
13. Turn off the power switch.
14. Leave the doors open until ready to use again.