Section 3. OPERATION				
3-1. INTRODUCTION	This section provides operating procedures for the HC-900. Sections 1, 2 and 3 should be read, and all instructions should be followed before operating the cabinet. This section contains an explanation of all controls and components and information on operating procedures and daily maintenance.			
3-2. OPERATING CONTROLS AND COMPONENTS	Figures 3-1 through 3-10 identify and describe the function of all the operating controls and the major components of the cabinet.			

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Fig. No.	Item No.	Description	Function
3-1	1	Power Switch	The power switch is a toggle switch that switches electrical current to the unit.
3-1	2	Power Light	When illuminated, the power light indicates that the power switch is in the "ON" position and the components are energized.
3-1	3	Water Light	When illuminated, the water light indicates the float switch is calling for water.
3-1	4	Thermometer	The thermometer indicates the air temperature inside the cabinet.
3-1	5	Temperature Light	When illuminated, the temperature light indicates that the thermostat has turned the heaters on.
3-1	6	Thermostat Control	The thermostat control is an electromechanical device that controls the temperature inside the cabinet.
3-2	7	Blower Motor	There are two blower motor assemblies in the HC-900. The blower motors are used to recirculate the hot humid air throughout the cabinet.
3-2	8	Heater	There are two heaters in the HC-900. The heaters are of open-resistance wire type construction.
3-2	9	High Limit	The high limit is a safety device mounted next to the heater which protects the unit from overheating.
3-3	10	Fuse	The fuse is a protective device that breaks the circuit when current exceeds the rated value. The fuse provides an overload protection for the electrical components. To remove the fuse, twist and pull the cap. (The fuse is used only on the 120V/1940 Watt units.)
3-4	11	Water Pan	The water pan holds the water that, when heated, creates humidity in the cabinet.
3-5	12	Water Heater	The water heater is a 440 watt cast aluminum heater that heats the water pan to produce humidity.
3-6	13	Infinite Regulator	This control, located on the rear control panel, regulates the water heater. Counterclockwise rotation increases the amount of humidity, clockwise rotation decreases the amount of humidity within the cabinet.
3-6	14	Water Strainer	The water strainer is a filter that prevents particles from entering through the water line and obstructing the water valve.

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Fig. No.	Item No.	Description	Funtion
3-7	15	Float Switch	The float switch is an electro-mechanical level switch that controls water level in the water pan.
3-8	16	Water Valve	The water valve is an electro-magnetic valve that is opened by the float switch. When open, the valve allows water to flow to the water pan.
3-9	17	Time Delay Relay	The time delay relay is an electrical device used to reduce the electrical load on the float switch and provide an automatic time delay of approximately 10 seconds to prevent overflowing.

3-3. START UP







Step 2

NOTE

Before using the Heated Holding Cabinet, the unit should be thoroughly cleaned as described in the "Cleaning Procedures" section of this manual.

1. To put the HC-900 into operation, move the power switch to the "ON" position. The power light should now be illuminated and the blowers should be in operation.

NOTE

The unit should take approximately 25-35 minutes to heat to temperature during start up. Be sure that the temperature light goes out before loading with product.

2. The water light should illuminate, indicating that water is flowing into the water pan. When the pan is filled to the proper level, the water light will go out and water will stop flowing.

NOTE

There is a 10 second delay before the float switch will activate the water valve. This is to eliminate over-working the components in the event the cabinet is bumped or moved.

3. The heat light should illuminate indicating the unit is heating. When heat light goes out, the unit has reached proper operating temperature.

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3-3. START UP (Cont.)	4. Although the cabinet and water temperature are factory preset, they are adjustable. If more cabinet temperature is desired, remove the plug button from front of control panel and rotate adjustment shaft clockwise. If less cabinet temperature is desired, rotate adjustment shaft counter-clockwise. If more humidity is required, remove the plug button from rear panel and rotate adjustment shaft clockwise to increase humidity and counterclockwise to decrease humidity.
3-4. OPERATION WITH PRODUCT	1. Place the hot product on pans and insert between the cabinet racks.
	2. Serve the product first that has been in the cabinet the longest.
	3. Open the doors only as necessary to load and unload product. This will help temperature stay constant and will save energy.
3-5. CLEANING PROCEDURES	1. Turn all controls to the "OFF" position.
	2. Disconnect the electrical supply to the cabinet.
	WARNING Allow the unit to cool before cleaning, as the interior of the cabinet may be hot enough to burn. 3. Open the doors and remove all trays from the cabinet. 4. Take the trays to a sink and clean them thoroughly.
<image/>	Most surfaces of the HC-900 can be cleaned with a soft cloth, soap, and water. DO NOT USE ABRASIVE CLEANERS. 5. Wipe the control panel with a damp cloth. Do not splash water around the controls. 6. Clean the exterior of the cabinet with a damp cloth. 7. Open the doors and remove side racks. Clean the racks with soap and water.

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3-5. CLEANING PROCEDURES (Cont.)



Step 3

- 8. Clean the interior of the cabinet thoroughly with a cloth and soapy water.
- 9. Put the side racks and water pan back into the cabinet.
- 10. Leave at least one door open over night to allow the unit to thoroughly dry out.

Water Pan Cleaning

For more efficient operation, the water pan must be cleaned daily.



Before removing water pan, be sure unit has cooled down. Severe burns will result.

Drain the water pan into a bucket or pan by rotating the drain cock on the front of the pan. Remove pan and clean with a soft cloth, soap and water. Daily cleaning is necessary to avoid lime build-up on the float switch. Lime build-up on the float switch will cause improper operation.