

**BLICKMAN
BUILT™**

DIGITAL WARMING CABINETS



INSTALLATION • OPERATION • MAINTENANCE

Models: 7921, 7922, 7924, 7925, 7927, SW30, 7929



INSTALLATION & OPERATION

These Cabinets Have Been Designed to Heat:

- 1 - Liquids in vented containers.
- 2 - Liquids in non-vented containers to a temperature of 150°F maximum.
- 3 - Metal objects.
- 4 - Muslin or cotton sheets and wool blankets.

Note:

- Glass containers must be annealed borosilicate glass (Pyrex® type).
- Plastic containers must be rated “thermal” capable of withstanding temperatures in excess of 300°F.
- Load contents must be placed in compartment to allow for adequate air circulation (See figure 2 for guidelines).

INSTALLATION

- 1 - Carefully unwrap packaged parts.
- 2 - Place cabinet in front of its permanent location.
- 3 - Remove cord tie and plug the unit into electrical supply... 120volt, 50/60Hz or 220volt 60Hz.
- 4 - Carefully slide unit into its permanent position.

INSTALLATION FOR UNITS TO BE WIRED DIRECTLY TO SUPPLY

- 1 - Remove screws on top cover.
- 2 - Remove top cover.
- 3 - Remove protection plate under top cover.
- 4 - Feed electric supply line into cabinet through the rear of cabinet.
- 5 - Connect electric supply line to terminal strip (see figure 1).
- 6 - Reinstall cover and top.
- 7 - Place cabinet into its permanent position.

OPERATION

1. LOAD

Open heating compartment door(s) and place the articles to be heated in the chamber (see figure 2); and then close the door(s).

A minimum of a one-inch space from each side and the bottom of the fan unit must be present in order to allow for circulation and prevention of overheating.

2. START

Apply power to system by pressing the power switch to the ON position. (Each heating chamber has its own power switch).

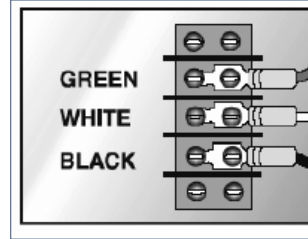


Figure 1

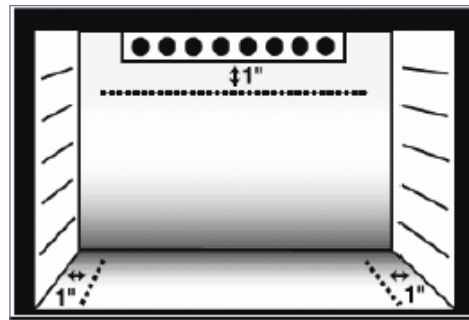


Figure 2

3. SET PROCESSING TEMPERATURE

- Press SET.
- Press one of the arrow keys either upward or downward to achieve desired set point.
- Press SET again to complete the change. (If dual control, steps must be completed for each).

Note:

The temperature setting may be changed whenever desired; however, reducing the set temperature to a lower temperature could activate the over-temp alarm buzzer.

When lowering the chamber temperature (after initial setting has been made), if the control reads HI and audible alarm is activated, the following steps must be followed:

- Press ALARM SET to silence the alarm.
- Open the door(s) to release heated air.
- If the display reads HI and alarm remains, open door(s) and allow cooling time with door(s) open.

Note:

If the alarm is activated under normal operating conditions, turn power to specific chamber OFF and call your Blickman sales representative or Blickman Customer Service at 1-800-247-5070.



INSTALLATION & OPERATION (cont.)

4. LOCK PROCESSING TEMPERATURE

To “lock” the processing temperature, simply insert Key, turn to Lock position, and remove Key. (Make sure to store Key in a secure and easily remembered location.) To unlock, re-insert key, return to Setpoint Unlock position—either removing Key or leaving in place.



ROUTINE PREVENTATIVE MAINTENANCE

TEMPERATURE DISPLAY:

- Check display temperature accuracy on a periodic basis with a calibrated thermometer placed near fan inlet.
- Air temperature near fan should be within 2°F of display temperature for upper chamber and counter top models and 3°F for lower compartment.
- If cabinet is not within these guidelines, contact your Blickman sales representative or call Blickman Customer Service at 1-800-247-5070.

TROUBLESHOOTING GUIDE

PROBLEM

The unit will not heat.

CORRECTIVE ACTION

- Check that the door(s) is (are) closed.
- Check that the Power Switch is turned ON.
- Check that the building power is activated.

PROBLEM

The unit heats, but does not reach the selected temperature.

CORRECTIVE ACTION

- Allow enough operating time for temperature to reach set point.
- Open door(s) and hold down the door switch. Listen for fan operation. If no operation is audible, contact your Blickman sales representative or call Blickman Customer Service at 1-800-247-5070.

PROBLEM

Alarm reads HI and audible alarm is activated.

CORRECTIVE ACTION

Refer to Operating Instructions in this manual.

PROBLEM

Alarm displays HI and audible alarm is activated for upper chambers only.

CORRECTIVE ACTION

(Possible heat transfer from lower chamber).

- Reduce the temperature in the lower chamber so that the temperature setting is no more than 30°F higher than the setting in the upper chamber; otherwise, the contents should be switched between chambers.
- For dual-chamber models, the operating environment should be stable with an ambient room temperature of no more than 72°F.

WARNINGS AND CAUTIONS

Following is a list of the safety precautions that must be observed when operating this equipment.

WARNINGS indicate the potential for injury to personnel.

CAUTIONS indicate the potential for damage to equipment.

It is important to review these precautions before using the equipment.

WARNING – Injury Hazard:

REPAIRS AND ADJUSTMENTS, other than those described in these instructions, should be attempted only by experienced Blickman service representatives fully acquainted with this equipment. Use of inexperienced, unqualified persons to work on the equipment or installation of unauthorized parts could cause personal injury or result in costly damage.

WARNING – Burn Hazard:

DO NOT EXCEED 150°F FOR NON-VENTED CLOSURES, i.e., screw caps, crimp seals, plastic pouches, etc. Do not exceed pre-sterile solution manufacturer’s temperature requirements.

DO NOT RAISE SET TEMPERATURE TO INCREASE RATE OF HEATING. Allow approximately 4-6 hours for solutions to reach desired temperatures.

DO NOT USE LIQUIDS ON – OR INJECT IN – LIVING TISSUE... unless actual liquid temperature has been measured and is acceptable. Temperature of warming cabinet contents may be hotter than the displayed air temperature. For patient safety, in accordance with good medical practice, always check liquid temperature prior to using.

WARNING – Electrical Shock Hazard:

DO NOT REMOVE CONTROL TRAY.

Refer to qualified service personnel.

WARNING – Explosion Hazard:

DO NOT USE in the presence of flammable anesthetics.

DO NOT HEAT liquids in the presence of flammable solvents.

CAUTION – Possible Equipment Damage:

Some items are not acceptable in these warming cabinets. IF IN DOUBT AS TO WHETHER AN ITEM CAN BE SAFELY PROCESSED, HAVE YOUR FACILITY SUPERVISOR CONTACT THE MANUFACTURER OF THE ITEM.

Process only plastics rated as “thermal” (withstanding temperatures in excess of 300°F). Annealed borosilicate glass containers are the only glass containers recommended for the unit.

To process aqueous solutions, however, use appropriate containers and observe temperature limitations.

Contact Blickman Customer Service at 1-800-247-5070 for any problems beyond the scope of this guide.



PART NUMBERS FOR SOLID OR GLASS DOOR WARMING CABINETS

Description	Blickman Part No.
Door Switch for "D" Series Warming Cabinet	91D2009730
Fuse for "D" Series Dual Chamber Warming Cabinet	91D1232000
Fuse for "D" Series Single Chamber Warming Cabinet	91D1231000
Power Switch for "D" Series Warming Cabinet	91D1232600
Fan Motor for "D" Series Warming Cabinet	91D5238000
Thermocouple for "D" Series Warming Cabinet	91D5363000
Overtemp Thermostat for "D" Series Warming Cabinet	91D6221000
Heating Element for "D" Series Warming Cabinet	91D7264010
Relay for "D" Series Warming Cabinet	91D55R2400
Digital Control for "D" Series Warming Cabinet	91D9351A00

LIFETIME LIMITED WARRANTY

For over three generations, Blickman has been known throughout the healthcare industry for exceptional product quality. Rather than rest on our laurels, however, we go beyond with Blickman's industry-unique Lifetime Limited Warranty. (Please see www.blickman.com for details.) Blickman-purchased items such as casters, caster inserts, any components made from rubber or plastic, circuit boards, fan heaters, plumbing parts, electrical switches and components are also excluded. For these component parts of Blickman warming cabinets, Blickman will pass along the original manufacturer's warranty of two years parts, one year labor to Blickman equipment original purchasers. Thus, you can rest assured with Blickman's legendary quality, knowing you made the very best choice for your healthcare facility.

CALIFORNIA'S SEISMIC SAFETY REQUIREMENTS

Optional holes in back of cabinet for California OSHPD Seismic Pre-Approval. Pre-approved engineering drawings also available for some models.



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