Operation & Care Manual
Fluid Warming Cabinet

**Models:**
- 8290F
- 8291F
- 8292F
- 120V
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**MN-35126 Rev 0 • 120V Lakeside Fluid Warming Cabinet Operation & Care Manual**
TRANSPORT AND STORAGE

Transport and Storage Environmental Conditions (not to exceed 15 days)
- Ambient temperature range of -40° to +70°C (-40° to +159°F)
- Relative humidity range of 10% to 100%, including condensation
- Atmospheric pressure range of 50KPa to 106KPa

UNPACKING AND SET-UP

DELIVERY

This warming cabinet has been thoroughly tested and inspected to insure only the highest quality unit is provided. Upon receipt, check for any possible shipping damage and report it at once to the delivering carrier. See Transportation Damage and Claims section located in this manual.

This appliance, complete with unattached items and accessories, may have been delivered in more than one package. Check to ensure that all standard items and options have been received with each model as ordered.

Save all the information and instructions packed with the appliance. Complete and return the warranty card to the factory as soon as possible to assure prompt service in the event of a warranty parts and labor claim.

This manual must be read and understood by all people using or installing the equipment model. Contact the service department if you have any questions concerning installation, operation, or maintenance.

NOTE: All claims for warranty must include the full model number and serial number of the unit.

UNPACKING

1. Carefully remove the appliance from the carton or crate.

   NOTE: Do not discard the carton and other packaging material until you have inspected the unit for hidden damage and tested it for proper operation.

2. Read all instructions in this manual carefully before initiating the installation of this appliance.

   DO NOT DISCARD THIS MANUAL.
   This manual is considered to be part of the appliance and is to be provided to the owner or manager of the business or to the person responsible for training operators. Additional manuals are available from the service department.

3. Remove all protective plastic film, packaging materials, and accessories from the appliance before connecting electrical power.
SAFETY PROCEDURES AND PRECAUTIONS

Knowledge of proper procedures is essential to the safe operation of electrically and/or gas energized equipment. In accordance with generally accepted product safety labeling guidelines for potential hazards, the following signal words and symbols may be used throughout this manual.

**DANGER** Used to indicate the presence of a hazard that will cause severe personal injury, death, or substantial property damage if the warning included with this symbol is ignored.

**WARNING** Used to indicate the presence of a hazard that can cause personal injury, possible death, or major property damage if the warning included with this symbol is ignored.

**CAUTION** Used to indicate the presence of a hazard that can or will cause minor or moderate personal injury or property damage if the warning included with this symbol is ignored.

**NOTE:** Used to notify personnel of installation, operation, or maintenance information that is important but not hazard related.

1. This fluid warming cabinet is intended for warming injection and/or irrigation fluids ONLY. No other use for this device is authorized or recommended.

2. This device is intended for use in commercial establishments where all operators are familiar with the purpose, limitations, and associated hazards of this device. Operating instructions and warnings must be read and understood by all operators and users.

3. Any troubleshooting guides, component views, and parts lists included in this manual are for general reference only and are intended for use by qualified technical personnel.

4. This manual should be considered a permanent part of this device. This manual and all supplied instructions, diagrams, schematics, parts lists, notices, and labels must remain with the device if the item is sold or moved to another location.

NOTE: For equipment delivered for use in any location regulated by the following directive: DO NOT DISPOSE OF ELECTRICAL OR ELECTRONIC EQUIPMENT WITH OTHER MUNICIPAL WASTE.

NOTE: This unit should not be left unattended for periods of more than 24 hours. In case of absences longer than 24 hours, disconnect the warmer from its power source.
Preparation

Before operating the cabinet, clean both the interior and exterior of the unit with a damp cloth and mild soap solution. Wipe with an appropriate disinfectant. Wipe dry with a clean cloth or air dry.

Electrical Information & Capacities

The power specifications are located on the unit identification rating tag. This tag is permanently attached to the unit and must be located to verify power requirements.

**8290F Power Requirements**
- 120 V.A.C. — 50/60 Hz, 1 ph
- 0.65 kW, 5.4 Amps
- Safety Class I Equipment
- No Applied Parts
- Mode of Operation: Continuous
- NEMA 5-15P
- 15A - 125V Plug
- Hospital Grade
- IPX-0

**8291F Power Requirements**
- 120 V.A.C. — 50/60 Hz, 1 ph
- 0.78 kW, 6.4 Amps
- Safety Class I Equipment
- No Applied Parts
- Mode of Operation: Continuous
- NEMA 5-15P
- 15A - 125V Plug
- Hospital Grade
- IPX-0

**8292F Power Requirements**
- 120 V.A.C. — 50/60 Hz, 1 ph
- 1.06 kW, 8.8 Amps
- Safety Class I Equipment
- No Applied Parts
- Mode of Operation: Continuous
- NEMA 5-15P
- 15A - 125V Plug
- Hospital Grade
- IPX-0

Important

Do not load each basket beyond the recommended maximum capacity:
- 8290F = 16 liters/basket
- 8291F = 14 liters/basket (28 total liters/unit)
- 8292F = 24 liters/basket (72 total liters/unit)

Overloading may cause lower or uneven temperatures of product and damage to basket and basket rail supports. Baskets that are overloaded may slip off rail supports, resulting in possible damage to product and equipment, as well as causing possible injury.

Caution

This unit has not been approved for warming of blood or blood products.

Warning

Injection fluid manufacturer suggests not to warm injection fluids over 40°C (104°F).

Danger

Ensure power source matches voltage identified on appliance rating tag.

DANGER

Do not use this warming appliance in the presence of flammable anesthetic mixture (with air or with oxygen or nitrous oxide). This could cause an explosion!

(Not category AP or APG equipment)
GENERAL INFORMATION

This warming cabinet is designed to safely warm and store either irrigation fluids or injection fluids.

The single-chambered warming cabinet is constructed with 20 gauge stainless steel exterior casing and door with handle and hinges designed to withstand heavy usage. A door with window allows observation of inventory with the door closed. The cabinet is warmed using low-heat-density electrothermal cable array. The electrothermal cable is positioned in the floor and two sides of the warming cabinet, providing even heating of the interior chamber.

The interior chamber temperature is regulated by an electronic control consisting of a 4 digit L.E.D. display, ON/OFF key, INCREASE and DECREASE keys, integrated LOCK feature and a series of prompt sequence indicators.

The electronic control can easily be set to operate in Fahrenheit or Celsius. After a power failure, the cabinet will remember its programming and begin to operate as before. The ON/OFF indicator will blink to indicate a failure occurred; pressing the ON/OFF key once will eliminate this blinking. A thermal shut-off system, separate from the electronic control, is included as an additional safety feature.

The control will display temperature in whole degrees.

Fluid warming chamber

The warming cabinet can be programmed to warm either irrigation fluids (IRR) or injection fluids (INJ), with separate temperature ranges provided depending on the choice selected.

- IRR temperature range: 37° to 66°C (98° to 150°F)
- INJ temperature range: 37° to 40°C (98° to 104°F)

A fan located inside the chamber mixes the air to prevent temperature stratification and to ensure an accurate chamber temperature for each mode.

- Within +0/-1.67°C (+0/-3ºF) for set points of 43° to 66°C (110° to 150°F)
- Within +0/-1.12°C (+0/-2ºF) for set points of 37° to 43°C (98° to 109°F)

An alarm will sound if temperatures exceed 6°C (10°F) over the set-point temperature, and an OVERTEMP indicator will blink indicating an over-temperature condition.

8290F INFORMATION:

The warming cabinet is equipped with one (1) white, epoxy-coated wire basket to accommodate fluids packaged in bags or bottles, mounted on basket rail supports. The basket has a 16 liter maximum capacity. The cabinet is furnished with four (4) 1-1/4" (31mm) non-skid rubber feet.

8291F INFORMATION:

The warming cabinet is equipped with two (2) white, epoxy-coated wire baskets to accommodate fluids packaged in bags or bottles, mounted on basket rail supports. Each basket has a 14 liter maximum capacity. The cabinet is furnished with a full perimeter rubber bumper assembly and one set of 5" (127mm) heavy duty casters, two with locking brakes.

8292F INFORMATION:

The warming cabinet is equipped with three (3) white, epoxy-coated wire baskets to accommodate fluids packaged in bags or bottles, mounted on basket rail supports. Each basket has a 24 liter maximum capacity. The cabinet is furnished with a full perimeter rubber bumper assembly and one set of 5" (127mm) heavy duty casters, two with locking brakes.

CAUTION

THIS UNIT HAS NOT BEEN APPROVED FOR WARMING OF BLOOD OR BLOOD PRODUCTS.

DANGER

AT NO TIME SHOULD THE INTERIOR OR EXTERIOR BE STEAM CLEANED, HOSED DOWN, OR FLOODED WITH WATER OR LIQUID SOLUTION OF ANY KIND. DO NOT USE WATER JET TO CLEAN.

SEVERE DAMAGE OR ELECTRICAL HAZARD COULD RESULT.

WARRANTY BECOMES VOID IF APPLIANCE IS FLOODED

(IPX-0 - Listed as Ordinary)
The following refers to features that are available when the control is powered on.

**CONTROL PANEL KEYS**

**ON/OFF KEY**
Press the ON/OFF key to power on the control. Press and hold the ON/OFF key for 2 seconds to turn the control off. The status indicator L.E.D. will illuminate in the power ON state. Note: The IRR or INJ must be selected to turn on the heating circuit.

**UP ARROW / DOWN ARROW KEYS**
These keys are used to increase or decrease the temperature set-point as desired. Continual pressure to a key will increase the increments in which the values will change.

**OVERTEMP ALARM KEY**
Depressing this key displays the current over-temperature trip-point. The alarm trip-point is always 6°C (10°F) above the temperature setting. When the green OVERTEMP indicator is blinking, the warmer has entered an over-temperature condition.

**IRR KEY**
The IRR key is used to select the IRRIGATION FLUIDS mode and to display the IRR set-point temperature. The temperature range is 37° to 66°C (98° to 150°F). The green IRR indicator and the yellow indicator below the IRR key illuminates when the IRR set-point temperature is being displayed.

**INJ KEY**
The INJ key is used to select the INJECTION FLUIDS mode and to display the INJ set-point temperature. The temperature range is 37° to 40°C (98° to 104°F). The green INJ indicator and the yellow indicator below the INJ key illuminates when the INJ set-point temperature is being displayed.

**NOTE:** When the control is powered on, IRR or INJ must be selected to turn on the heating circuit. To switch between the irrigation and the injection mode, you must first turn the control off and back on. Be careful to cool the cavity down prior to switching from a high temperature to a lower temperature or the control will display an unwanted overtemp alarm.

**ERROR**
This illuminates when an over-temperature condition is detected. The ERROR indicator will remain illuminated, even after the over-temperature condition is cleared, until the warmer is turned off. This will alert the operator that the control has indicated an OVERTEMP and the product in the cavity should be inspected.

**LOCK**
Illuminates when the lock feature is engaged.

**POWER FAIL DETECT**
If the power were to fail for any reason while control is powered on, the warmer will retain in memory its current operating state.

When the power is restored, the control will alarm once and resume operating in its previously set mode, but will alert the operator that such an event has occurred: The ON/OFF status indicator will flash.

Press the ON/OFF key once to acknowledge that the power has been restored. The ON/OFF status indicator will stop flashing. When pushing the ON/OFF key, the display will indicate the time period of the outage in hours and minutes (HH:MM), then return to the normal display and previously set mode. Inspection of the product in the cavity may be necessary.

**FAHRENHEIT OR CELSIUS SELECTION**
While the controller is in the OFF mode, press and hold the UP ARROW key for 5 seconds to view the current setting. Press again to switch between °F (Fahrenheit) or °C (Celsius).

**CAVITY TEMPERATURE DISPLAY**
To reference the cavity air temperature, push and hold the OVERTEMP and UP ARROW keys. While holding both keys, the value in the display refers to the temperature at the cavity sensor.

**OPERATIONAL SOUND SELECTION**
While the controller is in the off mode, press and hold the DOWN ARROW key for 5 seconds. Press again to turn the sound ON (I) and OFF (O).

**CONTROL LOCK PROGRAMMING**
The warmer control can be locked so that no changes can be made to the temperature set-point or the mode selection. Press and hold the ON/OFF key and the UP arrow key at the same time. The LOCK indicator will illuminate. Attempts to operate the ON/OFF key, or to change the temperature set-point will be unsuccessful. To unlock the control, press and hold the ON/OFF key and the DOWN arrow button at the same time. The control will unlock, and the LOCK indicator will go out.
1. The appliance should be plugged into a hospital grade, NEMA 5-15P receptacle.

2. Turn on the power circuit breaker switch, which is located at the back of the appliance. It is a rocker-type switch with international ON (I) and OFF (O) markings.

3. ACTIVATE CONTROL BY PRESSING THE ON/OFF KEY ON CONTROL PANEL ONCE. The ON/OFF indicator will illuminate and remain lit until the unit is turned off. The digital display will indicate last temperature set-point of compartment.

4. SELECT DESIRED MODE OF OPERATION. Press the IRR key to select the IRRIGATION FLUIDS mode or the INJ key to choose the INJECTION FLUIDS mode. The last set-point temperature for that mode of operation will appear in the display.

   NOTE: In order to switch between the irrigation and injection modes, you must first turn the unit off and then turn the unit back on.

5. SET DESIRED TEMPERATURE. To set the fluid warming temperature, press and hold the UP or DOWN ARROW keys to change the value shown in the display. The IRRIGATION FLUIDS set-point temperature range is 37° to 66°C (98° to 150°F) and the INJECTION FLUIDS set-point temperature range is 37° to 40°C (98° to 104°F).

   NOTE: The warmer is designed to warm fluids to the appropriate temperature recommended by your supplier. The warm-up stabilization time will vary depending on the warmer load. Exercise judgment to determine inventory rotation protocols and warm-up time for the fluids you use.

Caution:

- Check fluid temperature prior to use.
- Verify that the fan at the back or top of the chamber is rotating freely. If it is not working, discard your inventory, contact your service representative, and discontinue use of unit until it is repaired.
- If the warmer control has failed, or if error messages are displayed, discard your inventory and contact your service representative.
- The unit may tip over if more than one drawer is extended simultaneously. Open only one drawer at a time when loading or unloading fluids.
**CLEANING AND PREVENTIVE MAINTENANCE**

**PROTECTING STAINLESS STEEL, EPOXY COATED AND PLASTIC SURFACES**

It is important to guard against corrosion in the care of stainless steel surfaces. Harsh, corrosive, or inappropriate chemicals can completely destroy the protective surface layer of stainless steel, epoxy or plastic. Abrasive pads, steel wool, or metal implements will abrade surfaces causing damage to this protective coating and will eventually result in areas of corrosion. Even water, particularly hard water that contains high to moderate concentrations of chloride, will cause oxidation and pitting that result in rust and corrosion. In addition, many acidic spills left to remain on metal surfaces are contributing factors that will corrode surfaces.

Proper cleaning agents, materials, and methods are vital to maintaining the appearance and life of this appliance. Spilled items should be removed and the area wiped as soon as possible but at the very least, a minimum of once a day. Always thoroughly rinse surfaces after using a cleaning agent and wipe standing water as quickly as possible after rinsing.

**CLEANING AGENTS**

Use non-abrasive cleaning products designed for use on stainless steel surfaces. Cleaning agents must be chloride-free compounds and must not contain quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel surfaces. Always use the proper cleaning agent at the manufacturer’s recommended strength. Contact your local cleaning supplier for product recommendations.

**CLEANING MATERIALS**

The cleaning function can usually be accomplished with the proper cleaning agent and a soft, clean cloth. When more aggressive methods must be employed, use a non-abrasive scouring pad on difficult areas and make certain to scrub with the visible grain of surface metal to avoid surface scratches. Never use wire brushes, metal scouring pads, or scrapers to remove residue.

**ANNUAL PREVENTATIVE MAINTENANCE**

1. Ensure that the correct Operation and Care Manual is available to all users.
2. Ensure that all users have been properly trained in unit’s operation.
3. Do not overload cabinet.
   - **Blanket Warmer:** 1” (25mm) from top interior of unit
   - **Fluid Warmer:** See electrical/capacity page
4. Inspect condition of plug and cord. Replace if damaged.
5. Clean dust from outer vents surrounding the unit and around top of bonnet (if applicable).
6. Check door gasket integrity. Are there any tears? Is the gasket worn or loose? Make sure seal is tight to unit body. Replace gasket if integrity is compromised.
7. Check air temperature sensor mount on the interior of chamber. Is the guard in place? Are the wires in good condition?
8. Check insert assembly (depends on unit):
   - **Blanket Warmer:** Check the blanket support assembly and shelf. Is the assembly in place? Are any pieces missing?
   - **Fluid Warmer:** Check basket and side rail condition. Do baskets move smoothly and freely?
9. Check condition of casters or feet condition. Ensure components are secure and tightly threaded.
10. Check control panel overlay condition. Are there any tears or excessive wear on the graphic? Does the control work properly when buttons are pushed?
11. Check that all control and interior LEDs light up.
12. Is the set temperature comparable to the actual temperature displayed?

*Contact service for immediate repair if any of the above problems exist.*

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
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<tbody>
<tr>
<td>TO PROTECT STAINLESS STEEL SURFACES, COMPLETELY AVOID THE USE OF ABRASIVE CLEANING COMPOUNDS, CHLORIDE BASED CLEANERS, OR CLEANERS CONTAINING QUATERNARY SALTS. NEVER USE HYDROCHLORIC ACID (MURIATIC ACID) ON STAINLESS STEEL. NEVER USE WIRE BRUSHES, METAL SCOURING PADS OR SCRAPERS.</td>
</tr>
</tbody>
</table>
CARE AND CLEANING

The cleanliness and appearance of this equipment will contribute considerably to its operating efficiency. Make certain the cabinet and door gasket are kept free of any debris that may accumulate. Good equipment that is kept clean works better and lasts longer.

CLEAN THE UNIT REGULARLY:

1. Disconnect the cabinet from the power source.

2. Remove all detachable items such as metal basket and basket rail supports. Clean these items separately.

NOTE: Avoid the use of abrasive cleaning compounds, chloride based cleaners, or cleaners containing quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel.

3. Clean the interior metal surfaces of the cabinet with a damp cloth and any mild commercial detergent. Avoid the use of abrasive cleaning compounds. Rinse surfaces by wiping with sponge & clean warm water. Remove excess water with sponge and wipe dry with a clean cloth or air dry. Leave doors open until interior is completely dry.

4. Interior can be wiped with a sanitizing solution after cleaning and rinsing. This solution must be approved for use on stainless steel surfaces. Replace support assembly.

5. Clean the exterior of the cabinet with a cleaner recommended for stainless steel surfaces. Spray the cleaner on a clean cloth and wipe with the grain of the stainless steel.

6. Clean the window glass with a standard commercial glass cleaner.

7. Wipe control panel, door vents, door handles, and door gaskets thoroughly since these areas can harbor debris.

8. Wipe door gaskets and control panel dry with a clean, soft cloth.

9. To help maintain the protective film coating on polished stainless steel, clean the exterior of the cabinet with a cleaner recommended for stainless steel surfaces. Spray the cleaning agent on a clean cloth and wipe with the grain of the stainless steel.

Always follow appropriate state or local health (hygiene) regulations regarding all applicable cleaning and sanitation requirements.

DANGER

DISCONNECT UNIT FROM POWER SOURCE BEFORE CLEANING OR SERVICING.

DANGER

AT NO TIME SHOULD THE INTERIOR OR EXTERIOR BE STEAM CLEANED, HOSED DOWN, OR FLOODED WITH WATER OR LIQUID SOLUTION OF ANY KIND. DO NOT USE WATER JET TO CLEAN.

SEVERE DAMAGE OR ELECTRICAL HAZARD COULD RESULT.

WARRANTY BECOMES VOID IF APPLIANCE IS FLOODED

(IPX-0 - Listed as Ordinary)
NOTE: If your unit is not operating properly, check the following before calling your authorized service agent. Check the power applied to the unit. Is the plug in outlet? Is the power circuit breaker switch in rear of unit OK? Has the high limit manual reset tripped? If so, reset. (See “Manual Reset Instructions” below.)

If temperature calibration adjustment is required, call service for proper instruction.

Do not attempt to repair or service beyond this point. Contact manufacturer for nearest authorized service agent. Repairs made by any other service agent without prior authorization by manufacturer will void the warranty on the unit.

This chart is provided for the assistance of qualified technicians only and is not intended for use by untrained or unauthorized service personnel.

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>ACTION REQUIRED</th>
</tr>
</thead>
</table>
| door | Door left open for more than 3 minutes | • Close door  
• Verify door switch operation. Replace if necessary. |
| E-10 | Cavity Air Sensor Shorted | • Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is ±10, replace sensor.  
• Check wires for integrity. Check for proper and secure connections at the control and terminal block. If necessary, re-secure the faulty connections.  
• If error continues call Service. |
| E-11 | Cavity Air Sensor Open | • Detach the sensor from the terminal block. Use an Ohm meter to measure the resistance of the sensor. Check sensor at 32°F (0°C) using a container of ice water. If Ohm reading is 100, replace display. If Ohm reading is ±10, replace sensor.  
• Check wires for integrity. Check for proper and secure connections at the control and terminal block. If necessary, re-secure the faulty connections.  
• If error continues call Service. |
| E-30 | Under Temperature | • Blanket chamber temperature has been lower than the set temperature for 90 minutes or longer.  
• Check that door is closed. |
| E-31 | Over Temperature | • Unit may be overloaded. Redistribute inventory. *Do not exceed height of insert.*  
• Check sensor at 32°F (0°C) using a container of ice water. The sensor reading should be 100 ohms.  
• Check wires for integrity. Check for proper and secure connections at the control and terminal block. If necessary, re-secure the faulty connections.  
• Relay may be defective.  
• If error continues call Service. |
| E-50 | Temp. Measurement Error | • Call Service. |
| E-60 | Real-Time Clock Error | • Unit may have been unplugged for an extended period of time.  
• To resolve, turn circuit breaker switch to ON position for 1 minute, then turn circuit breaker switch to the OFF position for 5 seconds, and then back to ON. The error message should no longer appear in the display.  
• In order for the unit to fully recharge, it should remain plugged in and power circuit breaker switch turned ON for at least 24 hours after resetting.  
• Upon resolving an E-60 error, check that the date and time are correct. |
| E-61 | Real-Time Clock Error | • Call Service. |
| E-80 | EEPROM Error | • Ensure that all temperature and times are properly set.  
• If error continues call Service. |
| E-81 | EEPROM Error | • Call Service. |
| E-82 | EEPROM Error | • Call Service. |
| E-83 | EEPROM Error | • Call Service. |
| E-87 | EEPROM Error | • Stored offsets corrupted. Offsets reset to 0. Control may need a recalibration. Possible bad EEPROM.  
• If error continues call Service. |
| E-90 | Button Stuck | • A button has been held down for >60 seconds. Adjust control. Error will reset when the problem has been resolved. |
| E-99 | Hardware Over Temp | • Inspect connections and condition of high limit bimetal thermostat and the fan switch (fluid warmers only). Adjust if necessary.  
• Check operation of cavity fan motor (fluid warmers only). Air movement from the cavity fan blade should move the safety sail switch to the closed position. Adjustment to the fan blade may be needed or replacement of the fan motor.  
• If error continues call Service. |

NOTE: All error codes must be cleared using the circuit breaker switch or power switch on the rear of the unit.

Manual Reset Instructions: Locate the manual reset button on back of unit. (Location may vary slightly from diagram.) Using a pen, screwdriver or other long, thin implement, firmly push reset button. You will hear an audible click when the button is reset. If reset button trips again while unit is running, contact a qualified service technician.
<table>
<thead>
<tr>
<th>LOC</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>8290F P/N</th>
<th>QTY</th>
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* QUANTITY VARIES

† Note: The cavity fan motor has a one year life expectancy. The cavity fan motor parts warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.
### SERVICE

**FULL ASSEMBLY VIEW (8292F SHOWN)**

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**NOT SHOWN**

---

**8292F**

![8292F Assembly Diagram](image-url)

---

PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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### SERVICE

#### ELECTRICAL VIEW (8292F)

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*NOT SHOWN

**PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

† Note: The cavity fan motor has a one year life expectancy. The cavity fan motor parts warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

---

**ELECTRICAL VIEW (8292F)**

![ELECTRICAL VIEW Diagram](image_url)

*22* located under the bonnet.
## OPTIONS & ACCESSORIES PARTS LIST*

*NOT SHOWN

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## HEATING CABLE REPLACEMENT KITS*

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PART NUMBERS AND DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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REFER TO WIRE DIAGRAM UNDER TOP COVER FOR MOST CURRENT VERSION
REFER TO WIRE DIAGRAM UNDER TOP COVER FOR MOST CURRENT VERSION
TRANSPORTATION DAMAGE AND CLAIMS

All Lakeside Healthcare equipment is sold F.O.B. shipping point, and when accepted by the carrier, such shipments become the property of the consignee.

Should damage occur in shipment, it is a matter between the carrier and the consignee. In such cases, the carrier is assumed to be responsible for the safe delivery of the merchandise, unless negligence can be established on the part of the shipper.

1. Make an immediate inspection while the equipment is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the material is moved to a storage area.

2. Do not sign a delivery receipt or a freight bill until you have made a proper count and inspection of all merchandise received.

3. Note all damage to packages directly on the carrier’s delivery receipt.

4. Make certain the driver signs this receipt. If he refuses to sign, make a notation of this refusal on the receipt.

5. If the driver refuses to allow inspection, write the following on the delivery receipt:

   Driver refuses to allow inspection of containers for visible damage.

6. Telephone the carrier’s office immediately upon finding damage, and request an inspection. Mail a written confirmation of the time, date, and the person called.

7. Save any packages and packing material for further inspection by the carrier.

8. Promptly file a written claim with the carrier and attach copies of all supporting paperwork.

We will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. We cannot, however, file any damage claims for you, assume the responsibility of any claims, or accept deductions in payment for such claims.

LAKESIDE HEALTHCARE LIMITED WARRANTY

Lakeside Healthcare warrants to the original purchaser that any original part that is found to be defective in material or workmanship will, at our option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

The parts warranty for the cavity fan motor remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first. The parts warranty on all other parts remains in effect three (3) years from installation or thirty-nine (39) months from the shipping date, whichever occurs first.

This warranty does not apply to:

1. Calibration

2. Equipment damage caused by accident, shipping, improper installation or alteration.

3. Equipment used under conditions of abuse, misuse, carelessness or abnormal conditions including equipment subjected to harsh or inappropriate chemicals including but not limited to compounds containing chloride or quaternary salts, poor water quality, or equipment with missing or altered serial numbers.

4. Any losses or damage resulting from malfunction, including loss of contents or consequential or incidental damages of any kind.

5. Equipment modified in any manner from original model, substitution of parts other than factory authorized parts, removal of any parts including legs, or addition of any parts.

6. Collateral or incidental damage as a direct result of servicing equipment built into a wall structure is not covered under warranty. It is the responsibility of the owner to bear all expense related to structural repairs including, but not limited to, external electrical connections and wiring, and the removal or replacement of caulk, grout, tile, or wall covering of any kind. A service access panel for built-in equipment installations is strongly recommended.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of contents or revenue, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and Lakeside Healthcare neither assumes or authorizes any persons to assume for it any other obligation or liability in connection with Lakeside Healthcare equipment.

Lakeside Healthcare

Record the model and serial numbers of the unit for easy reference. Always refer to both model and serial numbers in your correspondence regarding the unit.

Model: __________________________________________
Serial Number: _________________________________
Purchased From: _______________________________
Date Installed: _________________________________
Voltage: _______________________________

Warranty Effective August 1, 2008

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