



5925 Heisley Road • Mentor, OH 44060-1833

Series R-171-E Refrigerated Cabinets	FL-2400
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OPERATING and MAINTENANCE INSTRUCTIONS for Cres Cor Refrigerated Cabinets, Model R-171-E Series



R-171-SUA-10E



R-171-SUA-20E

Cabinet model number: _____

Cabinet serial number: _____

Authorized Service Agency: _____

Ph: _____ Fax: _____

Keep this manual for future reference.

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SERVICE POLICY and AGENCY LIST	FL-1400

**REGISTERING YOUR EQUIPMENT AT www.crescor.com/service/register
COMPLETING A SURVEY EARNS AN EXTRA 90-DAY LABOR WARRANTY!**

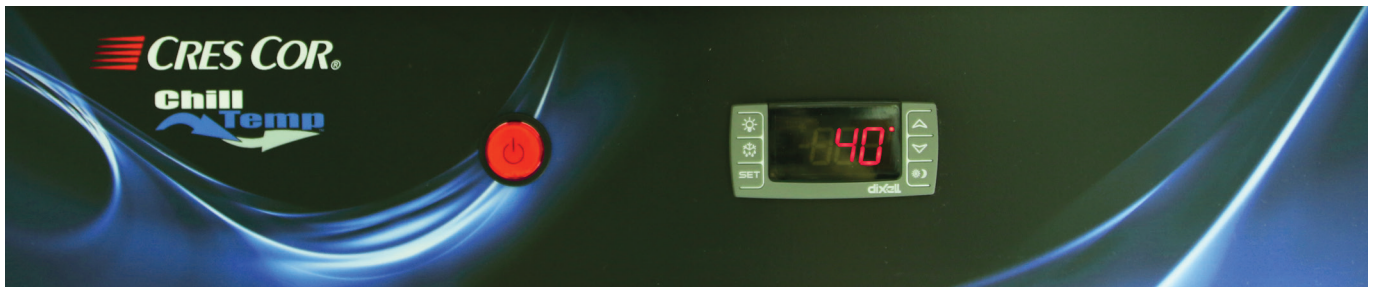
If the equipment will not go into service immediately, please indicate that on the warranty registration. Scan QR code to register your equipment today! If you need a QR reader, visit your App Store on your Smartphone or Tablet.



	WARNING	
RISK OF FIRE OR ELECTRIC SHOCK DO NOT OPEN		
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,		
DO NOT REMOVE COVER (OR BACK)		
NO USER-SERVICEABLE PARTS INSIDE		
REPAIR SHOULD BE DONE BY AUTHORIZED SERVICE PERSONNEL ONLY		

INSTALLATION INSTRUCTIONS

Configuration	Base Model #	Volts	Amps	Hertz	Phase	NEMA
Single Door	R171SUA10E	120	5.0	60	1	5-15P
	R171S1828E					
	R171SUA10E240	240		60	1	6-15P
	R171S1828E240					
Double Door	R171SUA20E	120		60	1	5-15P
	R171S1856E					
	R171SUA20E240	240		60	1	6-15P
	R171S1856E240					



CONTROL PANEL

HOW TO INSTALL THE CABINET:

1. Remove all packing material from inside the cabinet.
2. Clean and sanitize the interior of the cabinet. See instructions on how to clean on page 4.
3. **INSTALL ALL ANGLES *BEFORE UNIT IS TURNED ON***
4. Place unit near correct NEMA receptacle. Allow adequate clearance in front and rear for airflow. Avoid placing unit near heat sources or equipment which gives off excessive heat.

HOW TO START:

1. Plug power cord into correct wall outlet.
2. Press power switch "ON". Switch will illuminate and temperature control will turn on.
3. Control will display internal cabinet temperature.
4. Pre-chill the cabinet for at least 1 hour before loading food.

NOTE: DO NOT PUT HOT FOOD INTO COLD CABINET.

HOW TO OPERATE:

1. The controller will always display actual internal cabinet temperature.
2. Temperature setpoint has been pre-set at the factory for optimal operation of the refrigerated cabinet. No adjustment should be necessary.
3. If any adjustment of temp setpoint is required:
 - a. To view the setpoint:
 1. Push and release SET button.
 2. Display will show the value for 5 seconds.
 3. Press SET button again or wait 5 seconds to return to the normal display.

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OPERATING INSTRUCTIONS

HOW TO OPERATE (CONT.):

- b. To change the setpoint:
 1. Push the SET button for more than 2 seconds.
 2. °F will begin blinking.
 3. Use the ↑ or ↓ buttons to adjust the value.
 4. Press the SET button or wait 10 seconds and the new value will be stored.
4. The control stores the minimum and maximum temp values seen.
 - a. To view the MIN temperature:
 1. Press the ↓ button.
 2. “Lo” will be displayed, followed by the minimum recorded temperature.
 3. Press the ↓ button again or wait 5 seconds to get back to the normal display.
 - b. To view the MAX temperature:
 1. Press the ↑ button.
 2. “Hi” will be displayed, followed by the maximum recorded temperature.
 3. Press the ↑ button again or wait 5 seconds to return to the normal display.
 - c. To reset the MIN and MAX recorded temperatures:
 1. Go through one of the above procedures to display the MIN or MAX temperature.
 2. While the MIN or MAX temp is displayed, press and hold the SET button for more than 3 seconds
 3. “rSt” will be blinking
 4. The control will go back to the normal display
5. Under normal conditions, the controller is programmed to run a defrost cycle at optimal time intervals.
 6. If an additional defrost cycle is required, one can be forced.
 - a. Press the DEF key for more than 2 seconds. (This key looks like a melting snowflake.)
 7. This unit is equipped with 2 different light fixtures for convenience and health. They are both triggered by a door opening event.
 - a. The LED light is set to illuminate the interior of the cabinet while the door is in the open position.
 - b. The UV light is set to sanitize the air at certain intervals while the door is closed.
 - c. Ensure the door gasket is aligned properly so that the door switch operates correctly.
 - d. If the door is open for an extended period of time, display will show door alarm “dA”

CAUTION: Ensure the door switch is operating properly. The sanitizing bulb is designed to work ONLY at certain times when door is CLOSED - if the door switch has failed, it may be on when the door is open.

WARNING Although the system is completely enclosed within the shroud in the evaporator assembly, it DOES still emit low energy ultraviolet waves. If the evaporator has been disassembled, take care NOT to look directly at the bulb or have your skin exposed for an extended period of time.

For greatest germicidal effect, it is recommended to change the UV bulb every 6 months. Only replace with genuine Cres Cor part.

8. Locking out the control panel – to have the control locked out so that only the setpoint/min/max be viewable:
 - a. Press and hold the ↑ and ↓ buttons together for more than 3 seconds
 - b. “POF” will be displayed.

OPERATING INSTRUCTIONS *(continued)*

9. To unlock:

a. Press and hold the ↑ and ↓ buttons together for more than 3 seconds

b. “Pon” will be displayed.

10. It is not recommended to ever put any hot, warm, or room temperature product into the refrigerator. If something needs to be cooled down at a faster rate than normal (e.g. a large load of cool product is placed into the refrigerator and needs to become cold), press and hold the ↑ button for 3 seconds and the refrigerator will run to below the normal setpoint for about 40 minutes to aid in pulldown.

a. Yellow snowflake will illuminate.

b. NOTE: this process will not initiate if the cabinet is in a defrost cycle.

TO SHUT UNIT OFF:

1. Press power switch “OFF”

HOW TO REVERSE DOOR SWING FOR OPPOSITE HAND:

(Single Door Cabinet ONLY)

1. Remove hinge covers with a screwdriver.
2. Open door and lift up to remove door from cabinet.
3. Unscrew and re-mount the hinges and latch strike to the opposite sides of the cabinet.
4. Remove the door hinges and the door latch. Turn hinges and handle over and remount in the same holes
5. Remove plastic cam from each hinge, rotate cam 180° with “V” groove on cam toward inside of cabinet. Reseat cam into hinge.
6. Plug all the extra holes with screws.
7. Put door onto cabinet and adjust as necessary.
8. Snap on hinge covers..

HOW TO CLEAN THE CABINET:

 **WARNING** BEFORE cleaning the cabinet:

1. Unplug cord from wall.
2. Do NOT hose cabinet with water.
3. Do NOT get water into bottom compartment.
4. Do NOT use abrasives or harsh chemicals.

- Wipe up spills as soon as possible.
- Clean regularly to avoid heavy dirt build-up.

Cleaning Hints:

1. Use the mildest cleaning procedure that will do the job.
2. Always run in the direction of polish lines to avoid scratching the surface.
3. Use only a soft cloth, sponge, fibrous brushes, plastic or stainless steel pads for cleaning and scouring.
4. Rinse thoroughly with fresh water after every cleaning operation.
5. Always wipe dry to avoid water marks.

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MAINTENANCE INSTRUCTIONS

HOW TO CLEAN THE CABINET (CONT.):

	Soil	Cleaner	Method
CABINET Inside and Outside (Stainless Steel)	ROUTINE CLEANING	Soap, Ammonia, or mild *detergent and water.	1. Sponge on with cloth. 2. Rinse with water. 3. Wipe dry.
	STUBBORN SPOTS AND STAINS	Mild abrasive made for stainless steel.	1. Apply with damp sponge or cloth. 2. Rub lightly.
	GREASE, OIL	Chemical oven cleaner for stainless steel.	Follow oven cleaner manufacturer's directions.
	HARD WATER SPOTS & SCALE	Vinegar	1. Swab or wipe with cloth. 2. Rinse and dry.
<i>*Mild detergents include soaps and non-abrasive cleaners.</i>			

MAINTENANCE:

HOW TO CHARGE AND SERVICE THE REFRIGERATION SYSTEM

Note: The refrigerator is shipped fully charged. No changes to the refrigerant system are necessary.

Inspect condenser for dust buildup on an annual basis. If necessary, gently remove blockages with a light brush or dusting tool.

TECHNICAL SPECIFICATIONS

Configuration	Refrigerant Type	Charge Size (oz)	Design Pressure (High Side)	Design Pressure (Low Side)	Operating Pressure (High Side)	Operating Pressure (Low Side)
Single Door	R134A	16	440	180		
Double Door			440	180		



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MAINTENANCE INSTRUCTIONS TROUBLE-SHOOTING GUIDE

TROUBLE-SHOOTING GUIDE

Unit Condition:

Unit is plugged in. Switch is *ON*.

Failure	Probable Cause
1. Power light off, cabinet does nothing	1a. Power supply/circuit breaker 1b. Power Cord 1c. Power Switch
2. Power light on, evap fan on, compressor off	2a. Cycling is normal condition 2b. Control/sensor 2c. Compressor/capacitor 2d. Wiring
3. Power light on, evap fan off	3a. Defective evap fan 3b. Wiring 4a. Low charge
4. Evap fan on, compressor on, cabinet not cooling	4b. Frost buildup in evap coil - activate manual defrost 4c. Condenser fan 4d. Compressor
5. Noisy compressor	5a. High or low charge 5b. Refrigerant contaminated 5c. Defective compressor

Symbol/Code	Function
Green snowflake	Compressor on
Melting snowflake	Defrost enabled
Yellow snowflake	Below setpoint on
°F	Measurement unit
dA	Door open alarm
PI	Probe failure
HA	Maximum temp alarm
LA	Minimum temp alarm

NOTES:

1. Thermostat is pre-set at approximately 38°F (3.8°C). Temperature adjustment can only be made by a Service Agency.
- 2 For replacement of the electrical parts, refer to our list of authorized service centers (FL-1400).

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REPLACEMENT PARTS

Include all information on nameplate when ordering parts

REPLACEMENT PARTS:

Description	-10E 120V	-20E 120V	-10E 240V	-20E 240V
Condensor Assembly	0854-053	0854-054	0854-053-240	0854-054-240
Control, Probe	0848-087	0848-087	0848-087	0848-087
Control, Temp	0848-117-01-K	0848-117-02-K	0848-117-01-K	0848-117-02-K
Cord Set	0810-029-06	0810-039-07	0810-029-06	0810-039-07
Door assembly	1221-672	1221-672	1221-672	1221-672
Evaporator Assembly	1416-072	1416-073	1416-072-240	1416-073-240
Evaporator Fan Assy	1416-072-01	1416-072-01	1416-072-240-01	1416-072-240-01
Expansion Valve (tev)	0854-042	0854-042	0854-042	0854-042
Door Heater	0811-332	0811-332	0811-322-240	0811-322-240
Hinge Kit	0519-087-K	0519-087-K	0519-087-K	0519-087-K
Cabinet Light	0820-061	0820-061	0820-061	0820-061
Strain Relief	0818-057	0818-057	0818-057	0818-057
Switch, Power	0808-125	0808-125	0808-125	0808-125
Switch, Door	0808-128	0808-128	0808-128	0808-128
Transformer	/	/	0769-198	0769-198

WIRING DIAGRAM

