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CRES GUARD™ MOBILE DECONTAMINATION MOIST HEAT

OPERATING and MAINTENANCE INSTRUCTIONS Model #CGMH73A

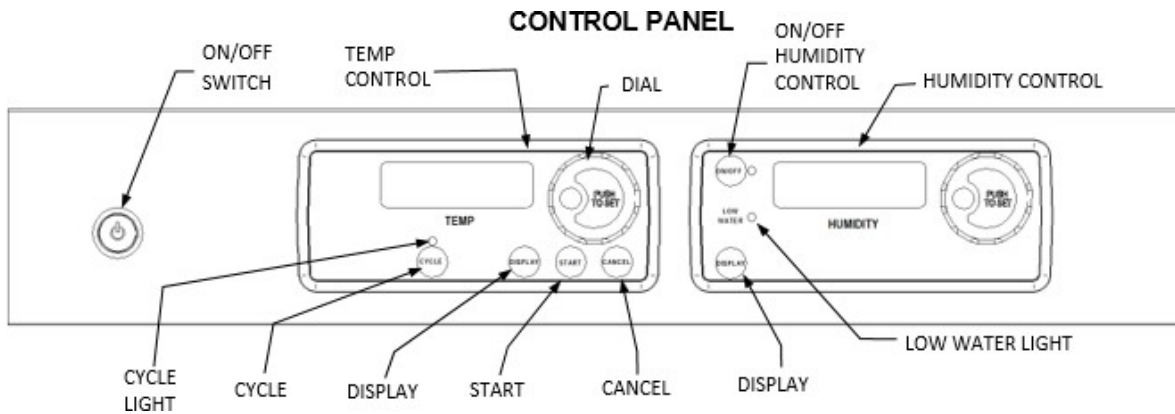
Model no.	Volts	Watts	Amps	Hertz	Phase	NEMA
CGMH73A	120	2000	16.7	60	1	5-20P

HOW TO INSTALL UNIT:

1. Place cabinet on level floor, in a well-ventilated area.
2. Unpack and install parts for hangers or racks.
3. Plug cord into wall outlet.

FIRST TIME OPERATION:

1. Wipe the inside clean with detergent and hot water.
2. Fill water pan with 4 gallons of hot water.



HOW TO RUN THE DECONTAMINATION CYCLE:

1. Read all instructions before operating the Decontamination Cabinet.
2. Turn on the device by pressing the ON-OFF Switch. The switch light will come on.
3. The unit starts heating to the previous cycle settings. This is standby mode. The cycle light will be off. The Temp Control will display "LOTPr" until 140°F is reached. Then the setpoint will be displayed.
4. To begin the decontamination cycle, press the "CYCLE" button. The display will show cycle "rcP01" and the "CYCLE LIGHT" will be flashing. Cycle "rcP01" setpoints are 185°F at 65% humidity for 15 minutes.
5. Press the DIAL to set the cycle.
6. The unit will start preheating and the Temp Control will display "PrHEt" until the cabinet temperature setpoint is reached. Then "PUSH StArt" will be displayed. Do not press the start button at this time.
7. The cycle conditions are preset by the factory and are locked to prevent modification and ensure repeatability.
8. Do not run the unit if the low water indicator light is ON. The light will turn off once water is refilled.
9. Use the "DISPLAY" button to check for actual temperature and humidity as described under the "Digital Control Notes" section on page 2.

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NOTE: This cabinet operates with air temperature priority. Humidity will only start after cabinet is fully preheated. If cold or room temp water is used, humidity build-up time will be longer.

10. When actual temperature and humidity are reached, ensure appropriate PPE is worn by the decontamination personnel, place the items to decontaminate inside the decontamination system, close the door, and make sure the low water indicator light is OFF.
11. Wait for the actual temperature and humidity to rise back to preset temperature and humidity settings on the temperature and humidity displays. Use the “DISPLAY” button to check for actual temperature and humidity values as described under the “Digital Control Notes” section below.
12. When the actual temperature and humidity are reached after loading, push the “START” button on the temperature control. The “CYCLE” light will stop flashing and be on continuously, and the control will start counting down.
13. If interrupted for any reason, the cycle should not be counted as complete and recommend repeating for ensuring personnel safety. To re-start a cycle, press the “CANCEL” button, then press the “CYCLE” button and press the “DIAL” to set the cycle.
14. Once the cycle is complete, the time displays zero and alarm is sounded. The unit will go into standby mode, and the Temp Control display will toggle between the setpoint and the count-up time.
15. Open the door slowly allowing the steam to escape prior to opening fully before unloading the items.

CAUTION	OPEN DOOR SLOWLY AS HOT AIR/STEAM MAY ROLL OUT.
ATTENTION	OUVRIRE LENTEMENT AIR CHAUD/VAPEUR PEUT S'ÉCHAPPER.
PRECAUCIÓN	ABRIR LA PUERTA LENTAMENTE EL AIRE CALIENTE / EL VAPOR PUEDEN RODARSE

16. Optional, press “CANCEL” to stop the count-up timer and turn unit off during unloading if preferred.
17. When done using the device, press the “CANCEL” button and press the ON/OFF switch. The switch light, controls, blower, and heaters will go off.

DIGITAL CONTROL NOTES:

- Press the “DISPLAY” button on the Temp Control to see the to see the actual temperature, cycle time, cycle setting # (“rcP01”) and back to temperature set point. (When in PREHEAT, time and temperature setpoint will not be displayed)
- Press the “DISPLAY” button on the Humidity Control to see the actual approximate relative humidity.
- Small letters in the upper right corners of the displays are:

Temp Control:	“S” = setpoint temperature “A” = actual temperature “t” = actual time
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Humidity Control:	“S” = setpoint humidity “A” = approximate relative humidity
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- If the unit is switched off or power is lost to the unit when a cycle is running, the display and lights will flash to indicate a power loss. To return to normal operation press cancel.

NOTE: When the low water light is on, the “A” humidity reading will not be accurate, and the water heater will not heat.

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DAILY MAINTENANCE:

WATER PAN

Drain, wipe and fill water pan daily. (Clear vinyl drain hose is provided.)

1. Push hose onto drain nozzle under the cabinet base.
2. Turn knob to open the drain.

CABINET

1. Wipe the inside of the cabinet after daily use.
2. **LEAVE DOORS SLIGHTLY OPEN TO FULLY DRY INTERIOR.**



Delime or descale water pan parts as required, to prevent damaging build-up. WARRANTY COVERAGE MAY BE AFFECTED WITHOUT PROPER CLEANING.



BEFORE CLEANING CABINET:

1. Allow cabinet to cool.
2. **Do NOT hose down cabinet with water.**
3. **Do NOT get water on controls.**
4. **Do NOT use abrasives or harsh chemicals.**

Cleaning hints:

1. Wipe up spills as soon as possible.
2. Clean cabinet regularly to avoid heavy dirt build-up.
3. Make a test spot with cleaner.
4. Follow manufacturer's directions on cleaner.
5. Do not mix cleaners.
6. Avoid drips and splashes.
7. Do not use "Cres Clean" on plastic parts or labels.

HOW TO CLEAN THE UNIT:

	Soil	Cleaner	Method
CABINET Inside and Outside (Stainless Steel)	ROUTINE CLEANING	Soap, Ammonia, or mild detergent and water.	1. Wipe 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.
	HARD WATER SPOTS and SCALE	Vinegar	1. Swab or wipe with cloth. 2. Rinse and dry.
<i>*Mild detergents include soaps and non-abrasive cleaners.</i>			

NOTE: Gaskets are removable for cleaning.

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	WARNING	
<p>TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE OR OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL AND DISCONNECT POWER BEFORE SERVICING.</p>		
	AVERTISSEMENT	
<p>POUR REDUIRE LE RISQUE DE COMMOTION ELECTRIQUE, NE PAS OTER NI OUVRIR DE COUVERCLE. IL N'Y A PAS DE PIECES REPARABLES PAR L'UTILISATEUR A L'INTERIEUR. CONFIER LE SERVICE A DU PERSONNEL QUALIFIE ET DEBRANCHER L'ALIMENTATION AVANT UNE INTERVENTION.</p>		
1115-527		

TROUBLESHOOTING CHART:	
<p>FAILURE:</p> <p>1. Switch light or control display does NOT light up.</p>	<p>POSSIBLE CAUSE:</p> <p>1a. Circuit breaker/fuse to wall outlet is blown 1b. Cord is unplugged from wall outlet. 1c. Switch is "OFF." 1d. Switch or control defective.</p>
<p>2. Unit gets too hot or will not shut off.</p>	<p>2a. Relay or control defective. UNPLUG UNIT FROM WALL OUTLET.</p>
<p>3. Unit does not heat.</p>	<p>3. Defective heater, relay, blower, or control.</p>
<p>4. No humidity.</p>	<p>4a. Low water 4b. Air temperature set too high. 4c. Defective heater, relay or control.</p>
<p>Controller (Thermostats) Error codes: err 00 - Temperature probe defective err 01 - Water fill time out</p>	



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Safety Data Sheet

Products: Cres Guard Mobile Decontamination Moist Heat	
Description: Device	
Manufacturer	Emergency Telephone Nos.
Crescent Metal Products, Inc. 5925 Heisley Road Mentor, OH 44060-1833 EPA EST#: 102899-OH-1	For Medical Emergencies, call local hospitals or medical facilities
II Health Hazard Data	III Hazardous Ingredients
<p>STEAM: Steam can harm people when exposed directly from a close distance, depending on exposure time. Increased harm severity when steam is breathed in, touches the eyes, face, or is inhaled by mouth.</p> <p>FIRST AID: For steam burns, remove from steam source, minor burns cool with lukewarm water.</p> <p>EYE CONTACT: Call an ophthalmologist.</p> <p>INHALATION: If ingested or breathed in, with subsequent shortness of breath, coughing, or trouble swallowing, seek medical attention.</p> <p>HOT SURFACES: Interior walls may be hot to touch and may cause burns when over 120°F, depending on contact time.</p> <p>FIRST AID: <u>For 1st degree burns</u> (redness but no blisters) cool site with lukewarm water. Apply burn lotion over area, bandage burn, use OTC pain medication as required. <u>For 2nd degree burns</u> (redness/ blisters) cool site lukewarm water. Apply burn lotion over area, bandage burn, use OTC pain medication as required, do not break the blisters. Seek medical attention if needed.</p>	None of the materials in this product are on the OSHA, EPA, or DOT lists for designated hazardous substances or materials.
IV Special Protection and Precautions	V Transportation and Regulatory Data
Use protective gloves when placing and removing items in the disinfectant chamber. Open the door slowly after the disinfecting cycle is completed to allow steam to escape slowly	<u>DOT/IATA/IMDG:</u> Not restricted. <u>EPA:</u> This product contains no chemicals which are regulated under Section 313 or under Section 304/CERCLA.
VI Spill Procedures/Waste Disposal	VII Reactivity Data
<u>There are no hazardous materials or liquids in the unit.</u> <u>Waste Disposal:</u> In accordance with applicable federal, state, and local regulations.	Stable under normal use and storage conditions.
VIII Fire and Explosion Data	IX Physical Data
The device is made exclusively of flame-retardant materials. Fire containment meeting UL-197	73" H, 28.25" W, 32.6" D

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Safety hazard label information:

<p>The operator must read and familiarize themselves with the manual before using the machine</p>													
<p>The cabinet surfaces may be hot when the unit is operating or after use.</p>													
<p>Hot air and steam may be released when the door is opened during or after operation.</p>	<table border="1"> <tr> <td>CAUTION</td> <td>OPEN DOOR SLOWLY AS HOT AIR/STEAM MAY ROLL OUT.</td> </tr> <tr> <td>ATTENTION</td> <td>OUVRIRE LENTEMENT AIR CHAUD/VAPEUR PEUT S'ÉCHAPPER.</td> </tr> <tr> <td>PRECAUCIÓN</td> <td>ABRIR LA PUERTA LENTAMENTE EL AIRE CALIENTE / EL VAPOR PUEDEN RODARSE</td> </tr> </table> <p style="text-align: right; font-size: small;">1115-349</p>	CAUTION	OPEN DOOR SLOWLY AS HOT AIR/STEAM MAY ROLL OUT.	ATTENTION	OUVRIRE LENTEMENT AIR CHAUD/VAPEUR PEUT S'ÉCHAPPER.	PRECAUCIÓN	ABRIR LA PUERTA LENTAMENTE EL AIRE CALIENTE / EL VAPOR PUEDEN RODARSE						
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<p>Leave doors open after use to allow the interior of the unit to dry.</p>	<table border="1"> <tr> <td>LAISSEZ PORTES OUVERTES APRES UTILISATION POUR SECHER COMPLETEMENT</td> <td>LEAVE DOORS OPEN AFTER USE TO FULLY DRY</td> </tr> </table> <p style="text-align: right; font-size: small;">1115-465</p>	LAISSEZ PORTES OUVERTES APRES UTILISATION POUR SECHER COMPLETEMENT	LEAVE DOORS OPEN AFTER USE TO FULLY DRY										
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<p>Electrical shock risk hazard can cause injury or death when electrical connections or live wiring are exposed. Do not remove any cover.</p> <p>Service on the unit needs to be performed by qualified personnel</p>	<table border="1"> <tr> <td></td> <td>WARNING</td> <td></td> </tr> <tr> <td colspan="3">TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE OR OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL AND DISCONNECT POWER BEFORE SERVICING.</td> </tr> <tr> <td></td> <td>AVERTISSEMENT</td> <td></td> </tr> <tr> <td colspan="3">POUR REDUIRE LE RISQUE DE COMMOTION ELECTRIQUE, NE PAS OTER NI OUVRIR DE COUVERCLE. IL N'Y A PAS DE PIECES REPARABLES PAR L'UTILISATEUR A L'INTERIEUR. CONFIER LE SERVICE A DU PERSONNEL QUALIFIE ET DEBRANCHER L'ALIMENTATION AVANT UNE INTERVENTION.</td> </tr> </table> <p style="text-align: right; font-size: small;">1115-527</p>		WARNING		TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE OR OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL AND DISCONNECT POWER BEFORE SERVICING.				AVERTISSEMENT		POUR REDUIRE LE RISQUE DE COMMOTION ELECTRIQUE, NE PAS OTER NI OUVRIR DE COUVERCLE. IL N'Y A PAS DE PIECES REPARABLES PAR L'UTILISATEUR A L'INTERIEUR. CONFIER LE SERVICE A DU PERSONNEL QUALIFIE ET DEBRANCHER L'ALIMENTATION AVANT UNE INTERVENTION.		
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REPLACEMENT PARTS:

	<u>120V</u>	<u>208V</u>	<u>240V</u>
Blower Kit	0769-180-SS-K	0769-182-SS-K	0769-182-SS-K
Heater Kit, Air 2000W	0811-022-K	0811-185-K	0811-023-K
Heater Kit, Water 1850W	0811-271	0811-278	0811-271
High Limit (water pan)	0848-060	0848-060	0848-060
High Limit - 400°F	0848-033	0848-033	0848-033
Power Cord 2000W	0810-065-12-K	0810-039-07	0810-039-07
Relay, Solid State	0857-136	0857-136	0857-136
Switch, Power	0808-125	0808-125	0808-125
Thermostat Control (Hot)	0848-092-41-CGMH-K	0848-092-41-CGMH-K	0848-092-41-CGMH-K
Thermostat Control (Humidity)	0848-092-05-CGMH-K	0848-092-05-CGMH-K	0848-092-05-CGMH-K
Thermostat Probe	0848-091-K	0848-091-K	0848-091-K
Terminal Block	0852-119	0852-119	0852-119
Transformer	0769-197	0769-197	0769-197
Vent Fan	0769-165	0769-174	0769-174
Water Pan Assembly	0756-037	0756-042	0756-037

Door, Complete (Stainless Steel)	1221-579-K
Door, Gasket (Stainless Steel)	0861-185-K
Door Hinge	0519-074-K
Door Latch	1006-122-01-K
Door Handle	0911-111
Handle, Side Pull	0911-087
Casters, 5"	0569-306-K
Casters, 5" w/brake	0569-306-BK
Angles (Stainless Steel)	0689-138
Wire Rack	1170-241
Clear Drip Pan	1017-058
Post	0696-315
Hanger Support	6153-085

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OPERATING and MAINTENANCE INSTRUCTIONS Model#CGMH73A WIRING DIAGRAM

