The Cata-Dyne™ heater can be used in all industrial indoor locations where a source of infrared radiant heat is required, providing adequate ventilation is available.

CERTIFICATION
Model LS Cata-Dyne™ Explosion-proof, flameless infrared catalytic gas heaters are certified by the Canadian Standards Association (CSA) for use in Class I, Divisions 1 and 2, Group D hazardous (classified) locations, temperature code T2C at maximum ambient temperature of 40°C (104°F).

Models listed are certified for industrial use only, for either natural gas or propane gas. CSA approved models are equipped for high altitudes: 0 - 4,500 ft. (0-1,370 m) above sea level.

INSTALLATION
For maximum efficiency, the Cata-Dyne™ heater should be installed with the heating surface positioned plus or minus 45° from the vertical plane at a height of no more than 8ft. (2.44m).

All heaters must be installed in accordance with the latest revisions of the codes described in Table 1 below and in accordance with any local codes and regulations. Before installation, all information on the heater nameplate must be carefully reviewed. The nameplate lists the fuel and mounting requirements for the heater.

Table 1

<table>
<thead>
<tr>
<th>All Cata-Dyne™ Heaters Installed In Canada</th>
<th>All Cata-Dyne™ Heaters Installed In US</th>
<th>All Cata-Dyne™ Heaters Installed Internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSA/CAN - B149.1-00, Natural Gas and Propane Installation Code</td>
<td>NFPA 54, National Fuel Gas Code</td>
<td>Install according to local and national/international fuel and electrical codes.</td>
</tr>
</tbody>
</table>

The installation of the Cata-Dyne™ LS heater must conform to the designated orientation, as defined when ordering. This is mandatory for the proper distribution of the starter fluid onto the starter pad.

Table 2

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Specifications (Btu/hr Input Ratings) for both natural and propane gas</th>
<th>Max. Btu/hr</th>
<th>Max. kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS 12 x 12</td>
<td>5,000</td>
<td>1.465</td>
<td></td>
</tr>
<tr>
<td>LS 12 x 24</td>
<td>10,000</td>
<td>2.930</td>
<td></td>
</tr>
</tbody>
</table>

All models must be mounted horizontally with the thermocouple and the starter fluid injection port on the right side.

NOTE: Ensure that the heater is not operational in an excessive vibration environment or premature failure of the heater may occur.
SPECIFICATIONS

Clearances

Appropriate clearances from the heating surface must be observed during the installation of the Cata-Dyne™ heaters (See Figure 2 & Table 3). Maintain nameplate clearances from combustible materials such as wood, cloth, paper, as well as any vehicles parked in the area of the heater.

<table>
<thead>
<tr>
<th>HEATER CLEARANCE</th>
<th>Vertical (°)</th>
<th>C-Sides</th>
<th>A-Top</th>
<th>B-Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Radiant Surface</td>
<td>28 in. (711 mm)</td>
<td>12 in. (305 mm)</td>
<td>18 in. (457 mm)</td>
<td>7 in. (178 mm)</td>
</tr>
<tr>
<td>0-45° up</td>
<td>28 in. (711 mm)</td>
<td>12 in. (305 mm)</td>
<td>18 in. (457 mm)</td>
<td>0 in. (0 mm)</td>
</tr>
<tr>
<td>0-45° down</td>
<td>28 in. (711 mm)</td>
<td>12 in. (305 mm)</td>
<td>18 in. (457 mm)</td>
<td>22 in. (559 mm)</td>
</tr>
</tbody>
</table>

Piping

1. A main shut-off valve must be installed upstream of all auxiliary heater controls.

2. The 100% safety shut-off valve and appliance regulator (natural gas heaters only) must be installed in the upright position (horizontally).

3. The thermostatic temperature controller should be installed with the dial shaft in the horizontal position.

4. The maximum inlet pressure to the 100% safety shut-off valve, thermostatic temperature control and appliance regulator is 1/2 psi (3.4 kPa). If the inlet pressure is higher than this, a low-pressure service regulator must be installed upstream of these components.

5. The maximum inlet pressure to the low-pressure service regulator (available from CCI Thermal) is 250 psi (1.7 MPa). If the inlet pressure is higher than this, a high-pressure regulator must be installed upstream.

6. All components should be installed as indicated in Figure 3.

Fuels

The Cata-Dyne™ flameless gas heater is designed to operate on clean, dry natural gas or propane as specified on the heater nameplate:

Natural Gas heaters are designed to use natural gas (1,000 Btu/ft³, 37 MJ/m³) at 7 in. w.c. (1.73 kPa), 4.5 in. w.c. (1.12 kPa), or 3.5 in. w.c. (0.86 kPa).

Propane heaters are designed to use propane gas (2,500 Btu/ft³, 92 MJ/m³) at 11 in. w.c. (2.72 kPa).
OPERATION PROCEDURE

All Cata-Dyne™ heaters are supplied with a Safety Shut-Off Valve (SSOV)/Thermocouple assembly to ensure the safe operation of the heater. Under no circumstances should the reset button be held or locked into the depressed position by the use of a mechanical restraint. A tamper-resistant SSOV is available if desired.

Methanol is used as a start up fluid. It is a highly flammable classified substance (Group D). Do not use near open flame ignition or sparks. It should be stored in totally enclosed equipment, designed to avoid ignition and human contact. Avoid storage with incompatible materials. Do not use inhibited methanol. MSDS is available from CCI Thermal Technologies Inc.

Start-Up

1. Ensure all required supplies are on hand. Store all supplies at room temperature for quicker start-up. Required supplies are:
   a. Uninhibited Methanol (at least 40 mL)
   b. Injector
   c. New Sealed Start Cartridge
   d. Start Pot
   e. Gas Pressure Test Kit (optional)

2. Draw methanol into injector while outside the hazardous location.
   a. For a 12x24 Cata-Dyne™ LS, withdraw the plunger until it stops (40mL).
   b. For a 12x12 Cata-Dyne™ LS, withdraw the plunger until the line on the plunger is just visible (20mL).

   *Important* Use the suggested amount of methanol for the heater to ensure a quick start-up.

3. Remove lid from start pot. If there is a start cartridge in the pot, remove it.

4. Remove new start cartridge from sealed package and place into start pot. Screw on lid tightly.

5. Screw injector onto start pot lid tightly.
6. Attach the Cata-Dyne™ LS onto your preferred stand or mount. Ensure mounting brackets meet local code requirements.

7. Screw start pot and injector onto elbow fitting tightly. All connections must be tight to prevent leaks that could slow or prevent start-up.

8. Inject the methanol with a firm, downward pressure. Only inject once to avoid flooding the heater and delaying start-up.

9. Wait for 5 minutes.
   a. While waiting, remove the Injector from the Start Pot. Do not wait more than 10 minutes or the heater may cool off too much to start.

10. Depress the reset button on the top of the safety shut off valve (SSOV) for 10 seconds to initiate the flow of gas to the heater. The button should return to the original position and internally open the valve to allow gas to flow to the heater. Check pressure gauge to ensure the SSOV is engaged.

12. After heater starts, remove start cartridge from the pot.

If heater does not start, wait another 5 minutes and then depress the reset button on the top of the SSOV for 10 seconds to initiate the flow of gas to the heater. If heater still does not start, return to step 1.
13. Remove start pot from heater.

14. Place stainless steel cap onto the elbow fitting and close tightly.

15. Store pot, lid, syringe, and any sealed, unused cartridges for use in next heater start-up. Dispose of used cartridges in approved hazardous materials disposal containers.

**Shut Down**

Turn off the gas supply to the heater.

**Ventilation**

The catalytic reaction in Cata-Dyne™ heaters occurs when natural gas or propane reacts with oxygen to produce water vapor, carbon dioxide and infrared energy. Ventilation must be provided to allow an adequate supply of oxygen for the reaction and to allow unwanted byproducts to escape. For every 1.0 ft² (0.093 m²) of heater surface, 50 ft³/hr (1.42 m³/hr) of air supply is required. For example, a LS 12 x 24 heater (10,000 Btu/hr / 2.93kW) would require 100 ft³/hr of air to ensure proper operation of the Cata-Dyne™ heater.

To reduce the carbon dioxide and water vapor concentrations in the building, a vent hood assembly can be installed to provide positive ventilation from the heater (See Figure 20).

**SPOT HEATING**

There are several factors to consider when utilizing Cata-Dyne™ heaters for spot heating.

Infrared energy travels in straight lines from the face of the Cata-Dyne™ heater covering approximately 160° of an arc and is inversely proportional to the square of the distance. For maximum spot heating, the heater should therefore be mounted as close as practical (min of 28 in. (71 cm)) to the object requiring heat.

Match the shape of the object requiring heat with the appropriate Cata-Dyne™ heater: e.g. LS 12 x 12 for a square object.

Objects requiring heat should be painted with dull, dark colors for maximum infrared absorption and objects not requiring heat should be painted with light or reflective colors.

Insulate and protect plastic, rubber and similar materials from direct intense infrared heat.

**SPACE HEATING**

A separate heat load calculation should be done for each building in which a Cata-Dyne™ heater will be installed. The heat load calculation determines the heat loss for the building as well as defined air exchanges per hour. CCI Thermal customer service representatives can help properly size the heater for your application.

Cata-Dyne™ heaters produce low intensity infrared heat that is absorbed by objects within the range of the heat source. The closer the object is to the source of heat, the more heat the object will absorb. Cata-Dyne™ heaters should be placed close to the floor level to heat objects close to the floor. For space heating applications in an ideal setting, Cata-Dyne™ heaters should be mounted 1-3ft. (0.3-1m) from the floor and equally spaced around the perimeter of a building.

If the building requires only one heater, place the Cata-Dyne™ heater as close as possible to the center of the longest wall.

For multiple heater installations, space the Cata-Dyne™ heaters as evenly as possible around the perimeter of the building. Make sure the piping is large enough to handle the gas load that the heaters will require.
MULTI-HEATER START-UP

Cata-Dyne™ heaters can also be purchased / installed in multi-heater assemblies. Each heater must be started individually. This is required to ensure each individual heater reaches the correct temperature to start the catalytic reaction.

PERSONAL SAFETY

Adequate ventilation must be incorporated in any building design to ensure oxygen replenishment and removal of carbon dioxide. Protective grills should be used on any installation where personnel may come in contact with the face of the heater.

The starter fluid MUST be treated with the same care used with all flammable chemicals. Consult the MSDS information on this product for recommendations on proper handling and first aid. Avoid inhalation of vapors and take adequate precaution to avoid direct contact with skin.

Do not attempt to inject more than 20 mL of methanol / sq. ft. of heater into the starter pad at any given time. This will flood the pad and slow the start-up. Failure to follow these instructions may result in an unsafe condition, damage to the heater or serious injury.

ORDERING INFORMATION

You can order any of CCI Thermal's products by telephone, fax, mail, e-mail or directly on-line at www.ccithermal.com. To assist us in processing your order quickly and efficiently, please provide the following information:

- Cata-Dyne™ product name
- Cata-Dyne™ model number
- Fuel gas - natural gas or propane
- Accessories required:
  - Protection Grill
  - Wall Mount Brackets
  - Thermostat
  - Gas pressure test kit
  - Regulator
  - Vent Hood
  - Injector
  - Start Pot
  - Bulkhead Cap
  - Starter Fluid
  - Start Cartridges
  - Other
- Company name and contact information
- Billing address and phone number
- Shipping instructions
- Special tagging instructions
- Date required
- Method of payment:
  - on account
  - credit card
  - cash or cheque

RETURN GOODS POLICY

Prior written approval must be obtained from CCI Thermal for the return of any Cata-Dyne™ product(s). A restocking charge of 15% will apply. All returns must be shipped to our factory in Edmonton, freight prepaid. Final acceptance will be contingent upon inspection at our factory.

REPAIRS

Cata-Dyne™ heaters may require periodic maintenance or repair. Our factory is staffed with technicians who are qualified to perform any required repairs. The procedure to follow to have a heater repaired is outlined below. Send the heater to our factory in Edmonton. Include the following information with the heater:

- Company name and address
- Contact name
- Telephone number/fax number/e-mail
- P.O. Number
- Advise if an estimate is required prior to starting the repair
- Details on the repair or conversion required
- Return shipping instructions
- Extra accessories required (start cartridges, starter fluid, etc.)

NOTE: Under the terms of our certification, all repairs must be performed at our factory in Edmonton.

Cleaning

The Cata-Dyne™ heater box may be cleaned but only once it has been allowed to cool. If your Cata-Dyne™ catalytic pad (white pad) is dirty it should never be contacted in order to avoid damaging it. This means that it should not be wiped down, sprayed with water or blown with compressed air. Any contact with the catalytic pad may damage the surface requiring the owner to return the unit to the factory for repair.
TROUBLE SHOOTING

1. Ensure that the fuel matches that listed on the nameplate.

2. Check for any physical damage. All signs of physical damage to the catalyst pad such as holes, tears or a general deterioration of the catalyst bed signal that it is time to have the heater repaired. Excessive vibration may cause damage to the catalyst pad resulting in premature failure.

3. Check the gas supply pressure at the heater – 7 in. w.c. (1.73 kPa), 4.5 in. w.c. (1.12 kPa), or 3.5 in. w.c. (0.86 kPa) for natural gas and 11 in. w.c. (2.72 kPa) for propane.

4. Check the gas orifice for obstructions or dirt and ensure the size matches that listed on the nameplate. It may be necessary to install a filter upstream of the heater or regulator if the gas supply is dirty. If the fuel supply is constantly dirty and/or wet it would be advisable to use bottled propane fuel.

5. Check the mounting position of the heater. The face of the heater should be preferably in the vertical position and should not vary more than 45° from the vertical position for maximum efficiency.

6. Check for saturation of the catalytic pad caused by condensation in the building or moisture in the fuel stream. If the heater has been exposed to water, it is advisable to place the unit in a warm area for a period of a few hours or longer if required. Once the moisture is removed, the heater can be re-installed and re-started.

7. Cata-Dyne™ heaters are designed to use clean fuel and to be used in non-contaminated atmospheres. Sulphur compounds in the fuel or atmosphere will poison the catalyst bed over a period of time and render the heater inoperative. If the heater has been exposed to sulphur compounds, it should be sent to the factory for service.

8. Do not spray the face of the heater with high-pressure air, steam or water as this can damage the catalyst pad. If physical damage is visible, return the heater to the factory for servicing.

9. Ensure that the temperature controller is correct for the model size, fuel, and pressure specifications for the heater it is fitted to. If the temperature controller set point is too low, the heater will not have sufficient fuel to operate and will stop.

10. Use only uninhibited methanol to avoid damaging the heater.

11. If the thermocouple has been replaced and the unit refuses to start, re-install the thermocouple and ensure that there is no insulation between the thermocouple and the internal metal heat sink assembly.

12. A new start cartridge must be used everytime a heater is started. This heats the methanol, ensuring a faster start up.

13. Only remove the start cartridge from sealed package immediately prior to using. Start cartridges will be deactivated if exposed to air for a long time. Each start cartridge can only be used once. Do not attempt to use one cartridge for multiple starts.

14. If possible, keep the methanol, syringe, pot, and start cartridges at room temperature. This will help reduce start-up time.

15. Only inject the suggested amount of methanol. For a LS 12x24, inject 40mL of methanol. This requires withdrawing the plunger on the CCI Thermal Technologies Inc. - provided syringe until it stops when drawing methanol into the syringe. For a LS 12x12, inject 20 mL of methanol. This requires withdrawing the plunger on the CCI Thermal Technologies Inc. - provided syringe until the line on the plunger is just visible when drawing methanol into the syringe. These are the optimum amounts of methanol. Injecting more methanol will slow the heater start-up. Failure to follow these instructions may result in an unsafe condition, damage to heater, or serious injury.

16. To prevent methanol leaks when injecting, ensure that all o-rings are in place and thread all connections together firmly.

17. If syringe is damaged and is not withdrawing 40 mL, order a replacement from CCI Thermal Technologies Inc. Use only syringes provided by CCI Thermal Technologies Inc.
WARRANTY: Under normal use the Company warrants to the purchaser that defects in material or workmanship will be repaired or replaced without charge for a period of 18 months from date of shipment, or 12 months from the start date of operation, whichever expires first. Any claim for warranty must be reported to the sales office where the product was purchased for authorized repair or replacement within the terms of this warranty.

Subject to State or Provincial law to the contrary, the Company will not be responsible for any expense for installation, removal from service, transportation, or damages of any type whatsoever, including damages arising from lack of use, business interruptions, or incidental or consequential damages.

The Company cannot anticipate or control the conditions of product usage and therefore accepts no responsibility for the safe application and suitability of its products when used alone or in combination with other products. Tests for the safe application and suitability of the products are the sole responsibility of the user.

This warranty will be void if, in the judgment of the Company, the damage, failure or defect is the result of:
- vibration, radiation, erosion, corrosion, process contamination, abnormal process conditions, temperature and pressures, unusual surges or pulsation, fouling, ordinary wear and tear, lack of maintenance, incorrectly applied utilities such as voltage, air, gas, water, and others or any combination of the aforementioned causes not specifically allowed for in the design conditions or
- any act or omission by the Purchaser, its agents, servants or independent contractors which for greater certainty, but not so as to limit the generality of the foregoing, includes physical, chemical or mechanical abuse, accident, improper installation of the product, improper storage and handling of the product, improper application or the misalignment of parts.

No warranty applies to paint finishes except for manufacturing defects apparent within 30 days from the date of installation.

The Company neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the product(s).

The Purchaser agrees that all warranty work required after the initial commissioning of the product will be provided only if the Company has been paid by the Purchaser in full accordance with the terms and conditions of the contract.

The Purchaser agrees that the Company makes no warranty or guarantee, express, implied or statutory, (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE) written or oral, of the Article or incidental labour, except as is expressed or contained in the agreement herein.

LIABILITY: Technical data contained in the catalog or on the website is subject to change without notice. The Company reserves the right to make dimensional and other design changes as required. The Purchaser acknowledges the Company shall not be obligated to modify those articles manufactured before the formulation of the changes in design or improvements of the products by the Company.

The Company shall not be liable to compensate or indemnify the Purchaser, end user or any other party against any actions, claims, liabilities, injury, loss, loss of use, loss of business, damages, indirect or consequential damages, demands, penalties, fines, expenses (including legal expenses), losts, obligations and causes of action of any kind arising wholly or partly from negligence or omission of the user or the misuse, incorrect application, unsafe application, incorrect storage and handling, incorrect installation, lack of maintenance, improper maintenance or improper operation of products furnished by the Company.
## Personal protection

<table>
<thead>
<tr>
<th>WHMIS (Pictograms)</th>
<th>WHMIS (Classification)</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Chemical" /></td>
<td>Class B-2: Flammable liquid</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Chemical" /></td>
<td>Class D-1B: Material causing immediate and serious toxic effects (Toxic)</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Chemical" /></td>
<td>Class D-2A: Material causing other toxic effects (Very toxic)</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Chemical" /></td>
<td>Class D-2B: Material causing other toxic effects (toxic)</td>
<td></td>
</tr>
</tbody>
</table>

### Emergency Overview

**WARNING!**

FLAMMABLE LIQUID AND VAPOR. MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

Flammable liquid. Keep away from heat, sparks and flame. Avoid breathing vapor or mist. Avoid contact with skin and clothing. May cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use.

### Potential Acute Health Effects

See section 11 for more detailed information on health effects and symptoms.

Extremely hazardous by the following route of exposure: of ingestion. Hazardous by the following route of exposure: of inhalation. Slightly hazardous by the following route of exposure: of skin contact (irritant, permeator), of eye contact (irritant), Non-sensitizer to skin. Severe over-exposure can result in death.

### Section 4. First aid measures

#### Eye contact

Immediately flush eyes with plenty of water for at least 60 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

#### Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Inhalation

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Ingestion

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Section 7. Handling and Storage

#### Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Section 8. Exposure controls, personal protection

#### Engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### Personal protection

**Eyes**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended: splash goggles

**Body**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands**

Chemical-resistant, impermeable gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

>8 hours (breakthrough time): nitrile rubber

### Section 13. Disposal considerations

#### Waste information

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Separate Installation and Operation Instructions are available for G, WX, and MKII Series Heaters.

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