



**BriskHeat**  
Corporation

# Gas Cylinder Warmers (GCW & HCW Series)



## Instruction Manual



Read and understand this material before installing this heater. Failure to understand how to safely install the heater could result in an accident causing serious injury or death. This heater should only be installed by qualified personnel.

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## INTRODUCTION

BriskHeat® Gas Cylinder Warmers are designed to heat metal gas cylinders for condensation control, pressure increase, and temperature control in either indoor or outdoor locations. GCW series are designed for ordinary locations. HCW series are designed for CSA Class I Division I Groups C & D locations. For successful operation of these warmers, read and understand these instructions prior to use.

## SAFETY ALERT SYMBOL



The symbol above is used to call your attention to instructions concerning your personal safety. It points out important safety precautions. It means **“ATTENTION! Become Alert! Your Personal Safety is involved!”** Read the message that follows and be alert to the possibility of personal injury or death.



Immediate hazards which WILL result in severe personal injury or death



Hazards or unsafe practices which COULD result in severe personal injury or death



Hazards or unsafe practices which COULD result in minor personal injury or property damage.

***SAVE THESE INSTRUCTIONS!***

**Additional copies of this manual are available upon request.**

# IMPORTANT SAFETY INSTRUCTIONS



## **⚠ DANGER**

A person who has not read and understood all operating instructions is not qualified to operate this product.

## **⚠ CAUTION**

- Inspect gas cylinder warmer before use. Do not use warmer with torn or worn surfaces.
- Keep enclosure cover tight while circuits are alive.
- Do not repair damaged or faulty warmers.
- Do not crush or apply severe physical stress on warmer or cord assembly.
- Unplug warmer when not in use.
- Use gas cylinder warmer for warming gas cylinder bottles only. Use specific sized heater with same sized cylinder. Do not use for other applications.

Failure to observe these warnings may result in personal injury or damage to the warmer.

## **⚠ DANGER**

- Do not immerse heater in liquid.
- Keep volatile or combustible material away from heater when in use.
- Use heater only in approved locations
- Keep sharp metal objects away from heater.

Failure to observe these warnings may result in electric shock, risk of fire, and personal injury.

## **⚠ WARNING**

- Only qualified personnel are allowed to connect the electrical wiring.
- Disconnect all supply power at the source before making any heating cable power input connections.
- All electrical wiring must follow local electrical codes and highly recommend following NEC Article 427.
- Final installation / wiring is to be inspected by the authority who has jurisdiction in the area that the heater is installed.
- The end-user is responsible for providing a suitable disconnecting device.
- The end-user is responsible for providing suitable electrical protection device. It is highly recommended that a ground fault circuit breaker be used.

## SPECIFICATIONS

### Operating conditions:

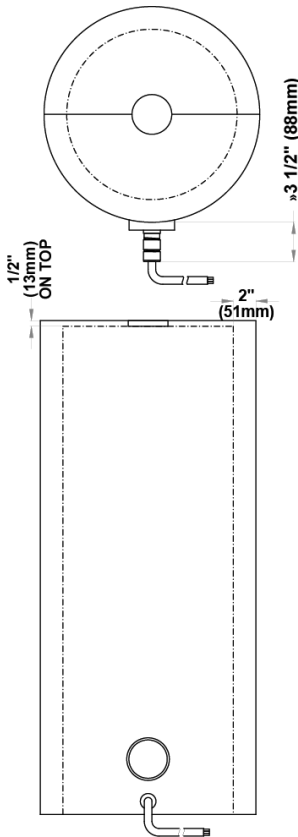
Operating Ambient Temperature Range: 30°F-95°F (-1°C – 35°C)

Temperature Range maintained on Bottom of Cylinder: 90°F-130°F (32°C – 54°C)

Temperature Range maintained on Top of Cylinder: 80°F-120°F (27°C – 49°C)

Self-Regulating Grounded Heating Element	120 or 240 Volts Models
Up to 150 Watts	Water Resistance
Oil and Some Chemical Resistance	Both Indoor and Outdoor Use
GCW Series: Ordinary Locations HCW Series: CSA Class I Division I Groups C & D	

### Part Drawing



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## OPERATION INSTRUCTIONS

### **⚠ WARNING**

Read and understand this entire manual before operating this gas cylinder warmer.

**VOLTAGE:**  
120VAC; 240VAC

#### **STEP 1**

Remove heater from box. Make visual inspection of heater. Do not use if torn or damaged.

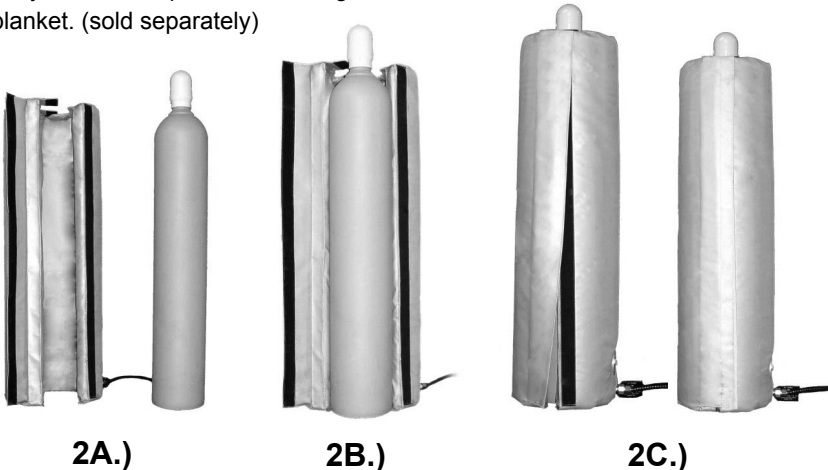
#### **STEP 2**

Gas cylinder should be placed on a clean, dry surface. **2A.)** Open hook and loop fastener closure on heater and position around cylinder with the power lead exit on the bottom of the heater. **2B.)** Heater should be positioned on cylinder such that it is covering the cylinder from the floor to the top of the cylinder. **2C.)** Attach hook and loop fastener closure so heater is tight against the cylinder with no sagging or bundling. Cover any valves on top of cylinder with optional insulating blanket. (sold separately)

#### **STEP 3**

(see page 3 for electrical compliance)

Terminate power cord to appropriate electrical power supply. The power cord consists of three color-coded conductors, black, white, and non-insulated. The black wire should be connected to incoming hot line. The white wire should be connected to the neutral (for 120V) or power return (for 240V). The non-insulated wire should be connected to earth ground. The power connections must be adequately rated to electrically support the voltage and amperage of the heater. Follow all local electrical codes for proper electrical connections.



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## TROUBLESHOOTING GUIDE

Please read this guide prior to contacting. This guide is designed to answer the most commonly asked questions. If you are unable to identify the problem or need additional assistance, please contact your Thermal Solutions of Texas at **1-866-351-4328**, or email us at **service@thermalsolutionsoftexas.com**.

<b>PROBLEM</b>	<b>SOLUTION(S)</b>
Does not heat	<p>Verify heater is connected to proper voltage. The identification label located on the power cord indicates the heater's voltage requirement.</p> <p>Check to see if there is a resistance reading (not an open circuit) in heater using an ohm meter.</p>
Circuit breaker is tripping	<p>Validate that the circuit breaker is capable of handling the amp requirement of heater. The identification label located on the power cord indicates the heater's amperage requirement.</p> <p>Examine heater and cord for any damage.</p>
Does not fit	<p>Confirm that the heater provided was designed to fit around your specified gas cylinder.</p> <p>If the heater was not designed for the specified gas cylinder, please call 1-800-848-7673 or 614-294-3376 for further assistance.</p>
Something has lightly spilled on exterior or interior	<p>Apply any general household cleaner, that does not contain any silicone rubber dissolving type ingredients, with a clean cloth fabric.</p>

## WARRANTY INFORMATION

The BriskHeat Corporation (hereinafter referred as ("BriskHeat") warrants to the original purchaser for the **period of eighteen (18) months from date of shipment or twelve (12) months from date of installation**, whichever comes first, that the products manufactured by BriskHeat: (A) conform to the description and specifications as set forth in BriskHeat's current catalogue or in the quotation and drawings submitted by BriskHeat: and (B) are free from defects in materials and workmanship under prescribed use and service.

Remedy. BriskHeat's obligation and the exclusive remedy under this warranty shall be limited to the repair or replacement, at BriskHeat's option, of any parts of the product which may prove defective under prescribed use and service within eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever comes first, and which, following BriskHeat's examination, is determined by BriskHeats to be defective under conditions described herein: provided, BriskHeat has, at its option, a representative of BriskHeat present at start-up. BriskHeat shall not be liable for any incidental, consequential or special damages arising from any breach of warranty, breach of contract, negligence, or any other legal theory, including but not limited to, loss of use of parts or equipment or any associated equipment, cost of capital, cost of any substitute equipment, facilities or services, overhead, downtime costs, or claims of customer of purchaser for such damages. This remedy does not include labor costs for installation or removal of the equipment or parts covered by this warranty, and BriskHeat shall not be responsible for such labor costs.

Limitation. This warranty shall not apply to any product or part thereof which has been subject to accident, negligence, alteration, damage during shipment, improper service, abuse, or misuse, including but not limited to use beyond rated capacity. BriskHeat makes no warranty whatsoever with respect to accessories or parts not supplied or manufactured by BriskHeat. BriskHeat's obligation under this warranty shall be conditioned upon BriskHeat's receiving written notice of any defect within fifteen (15) days after its discovery, and, at BriskHeat's option, return of such equipment or parts prepaid to its factory at 1055 Gibbard Ave., Columbus, Ohio 43201.

Disclaimer. **BRISKHEAT MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, EXCEPT AS IS EXPRESSLY SET FORTH ABOVE. NO AGENT, EMPLOYEE OR REPRESENTATIVE OF BRISKHEAT HAS ANY AUTHORITY TO BIND BRISKHEAT TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY COVERING THE SALE OF ANY PRODUCT, AND UNLESS SUCH AFFIRMATION, REPRESENTATION OR WARRANTY MADE BY AN AGENT, EMPLOYEE OR REPRESENTATIVE IS SPECIFICALLY ENDORSED IN WRITING BY BRISKHEAT, IT SHALL NOT BE ENFORCEABLE BY ANY BUYER. BRISKHEAT MAKES NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY AND NO EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, EXCEPT AS IS EXPRESSLY SET FORTH ABOVE. BRISKHEAT SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.**

This warranty allocates risk between the purchaser and BriskHeat as authorized by the Uniform Commercial Code and other applicable law.



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