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TECHNOLOGY GROUP

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INTRODUCTION

XtremeFLEX® Heating Tapes and Cords are designed to provide a long and efficient service life with function, reliability, and safety in mind. For additional information concerning this, or other BriskHeat® products, please contact your local BriskHeat® distributor or contact us toll free (U.S. / Canada only) at 1-800-848-7673 or 614-294-3376.

SAVE THESE INSTRUCTIONS!
Additional copies of this manual are available upon request.

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.

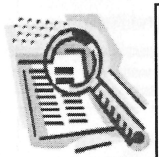
⚠ DANGER
Immediate hazards which **WILL** result in severe personal injury or death.

⚠ WARNING
Hazards or unsafe practices that **COULD** result in severe personal injury or death.

⚠ CAUTION
Hazards or unsafe practices that **COULD** result in minor personal injury or property damage.

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IMPORTANT SAFETY INSTRUCTIONS



⚠ DANGER

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

⚠ DANGER

- Do not immerse heater in liquid.
- Keep volatile or combustible material away from heater when in use.
- Do not use heater in hazardous 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

End-User Must Comply to the Following:

- Only qualified personnel are allowed to connect the electrical wiring.
- All electrical wiring must follow local electrical codes and highly recommend following NEC Article 427.
- The person who performs the final installation / wiring must be qualified for this work.
- 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.

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

⚠ CAUTION

- Never handle the heater while it is in operation; always disconnect the heater from the power source and allow to cool prior to handling.
- Inspect heater before use.
- Do not operate heater without a temperature control device.
- Never connect heating tape to a controller's output without assembling the two separable plug halves (if applicable).
- Never use B00 or BW0 series tape on a conductive surface.
- Do not use heater with torn or worn surfaces.
- If spillage of foreign matter onto heater occurs, disconnect from power source and clean after heater is allowed to cooled.
- Never operate a heater without an appropriate heat sink (device being heated is considered a heat sink)
- Do not operate heater at temperatures above rated temperature value
- Fasten heater to device using approved methods only
- Do not repair damaged or faulty heaters.
- Do not crush or apply severe physical stress on heater or cord assembly.
- Unplug heater when not in use.

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

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SPECIFICATIONS

Model	Type	Maximum Exposure Temperature	Nominal Watts
BIH *	Heavy Insulated	900°F (482°C)	Standard: 8.6 watts/in² Wide: 5.1 watts/in²
BIH-G * Part # ends with 'G'	Heavy Insulated- Grounded	482°F (250°C)	9.6 watts/in²
BWH *	Heavy Insulated	1400°F (760°C)	Standard: 13.1 watts/in² Wide: 7.7 watts/in²
BWH-D * Part # ends with 'D'	Dual-Element	1400°F (760°C)	13.1 watts/in²
BS0	Silicone Rubber	450°F (232°C)	4.3 watts/in²
BS0-G Part # ends with 'G'	Silicone Rubber-Grounded	450°F (232°C)	4.3 watts/in²
B00 *	Standard Insulated	900°F (482°C)	8.6 watts/in²
BW0 *	Standard Insulated	1400°F (760°C)	13.1 watts/in²
IFG *	Heavy Insulated	482°F (250°C)	6.0 watts/in²
ISR	Silicone Rubber	450°F (232°C)	3.0 watts/in²
HTC *	Heating Cord	900°F (482°C)	21 watts/ft
HWC *	Heating Cord	1400°F (760°C)	60 watts/ft

* Models intended for indoor or laboratory use only. Not for outdoor use.

INSTALLATION

⚠ WARNING

Read and understand this entire manual before operating this electric heater.

STEP 1

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

STEP 2

Installing your heating tape: The flexible heating tape can be installed on both a flat and/or curved surface. For a flat surface, lay the heating tape onto the \surface to be heated. For a curved surface, wrap the heating tape onto the surface to be heated (A). The length of one entire side of the heating tape must be in full contact with the surface.



A.) Proper Installation

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Ensure the heating tape is not kinked, twisted, or any portion of the tape hanging free from the surface (B). **Do not overlap heating tape on itself (C).**

Attach the heating tape to the surface by using aluminum tape, fiberglass tape, or a mechanical clamping devices which will not cause damage to the heating tape.



B.) Incorrect Installation: Heating tape hanging free from the surface



C.) Incorrect Installation: Heating tape overlapped on itself

STEP 3

Connecting your heating tape to a power supply:

1. Your heating tape **must** be connected to an external control device. The heater must not be operated without some form of temperature control.

   WARNING: Your heater is designed to operate at a specific voltage. Refer to the label on the heater for proper operating voltage and wattage information. Failure to operate the heater at the specified rating could result in overheating of the heating blanket, the surface being heated or personal injury. Also note that too low of a supply of voltage will result in under heating.

   All electrical connections must be made by qualified personnel and in accordance with all applicable codes and regulations.

2. Ensure the heater is protected by a properly sized circuit breaker or fuse.

3. Use of a ground fault circuit interrupter is highly recommended and maybe required.

4A. **If heating tape came with a plug**:
Plug power cord into appropriate controller.

4B. **If heating tape did not come with a plug:**
Two wires (same color) should be connected to the power source (or temperature control device) directly, through a junction box, or to a connector that is mated to a receptacle connected to the power source. BriskHeat® XtremeFLEX® Heating Tapes are non-polarized, allowing either wire to be connected to the neutral or hot. If BIH-G or BS0-G series , the third wire, designated by the color green (or a green stripe), should be connected to ground.

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TROUBLESHOOTING GUIDE

Please read this guide prior to contacting BriskHeat®. 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 local distributor/ representative or us at **1-800-848-7673**, **614-294-3376**, or **bhtsales1@briskheat.com**.

PROBLEM	SOLUTION(S)
Does not heat	Verify heater is connected to proper voltage. Check to see if there is a resistance reading (not an open circuit) in heater using an ohm meter.
Circuit breaker is tripping	Validate that the circuit breaker is capable of handling the amp requirement of heater. The identification label located on the power cord displays the heater's amperage requirement. Examine heater and cord for any damage.

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