

BriskHeat[®]

Corporation



XtremeFLEX[®]

Silicone Rubber Heating Tape with Pre-set Thermostat (BSTS Series) Instruction Manual



Read and understand this material before operating or servicing these heating tapes. Failure to understand how to safely operate these heaters could result in an accident causing serious injury or death. These heaters should only be operated by qualified personnel.

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INTRODUCTION

XtremeFLEX® Silicone Rubber Heating Tapes with Pre-set Thermostat are designed for freeze protection and low temperature process control solutions. This true plug-and-play flexible silicone rubber heating tape is pre-set at 60°F (15.6°C).



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 that **COULD** result in severe personal injury or death



Hazards or unsafe practices that **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.

⚠ 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.

⚠ CAUTION

- Never handle the heating tape while it is in operation; always disconnect the heating tape from the power source and allow to cool prior to handling.
- Inspect heating tape before use.
- Do not use heater with torn or worn surfaces.
- Do not wrap the heater over itself
- 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.
- Make sure there is a uniform fit prior to energizing. If there are air gaps between the surface to be heated and the heater, hot spots can occur and could result in burnouts due to overheating.

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

⚠ 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.
- Final installation/wiring is to be inspected by the authority who has jurisdiction in the area that the heating tape is installed.
- The end-user is responsible for providing a suitable disconnecting device.
- The end-user is responsible for providing suitable over-protection device. It is highly recommended that a ground fault circuit breaker be used.

SPECIFICATIONS

Operating conditions:

Maximum Exposure Temperature: 450°F (232°C)

- Built-in Controlling Thermostat pre-set at 60°F (16°C)
- Silicone Rubber Extruded Outer Sheath
- Moisture and Chemical Resistant
- Patented Grounded Heating Element
- Nominal Watts: 6.0in² (0.009mm²)
- Suitable for Electrically Conductive Surfaces
- 120 or 240VAC
- 6ft (2m) power cord with either NEMA 5-15 or 6-15 plug

OPERATING INSTRUCTIONS

⚠ WARNING

Read and understand this entire manual before operating this electric heating tape.

STEP 1

Remove heater from box. Visually inspect 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.

The thermostat (the raised disc) on the 3" long oval block must be placed tightly and directly against the surface to be heated **(B)**. Secure the thermostat in place. The thermostat should be placed on the coldest end of the pipe. The thermostat will turn the heater on and off based on the temperature of the area of pipe it is against.

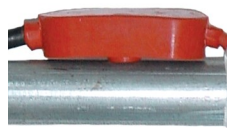
Ensure the heating tape is not kinked, twisted, or any portion of the tape hanging free from the surface **(C)**. **Do not overlap heating tape on itself (D)**. Attach the heating tape to the surface by using aluminum tape, fiberglass tape, or a mechanical clamping devices which will not cause damage to the heating tape.

STEP 3

Plug power cord into appropriate grounded outlet.



A.) Proper Installation (pipe and valve)



B.) Thermostat against surface



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



**D.) Incorrect Installation:
Heating tape overlapped on itself**

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. Examine heater and cord for any damage.

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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