

BriskHeat DHCS11

BriskHeat DHCS11 Drum Heater Instruction Manual

Model: DHCS11 | Brand: BriskHeat

PRODUCT OVERVIEW

The BriskHeat DHCS11 is a standard heavy-duty heater specifically designed for 15-gallon (57L) metal drums and pails. It features a patented 3600 grounded multi-stranded heating element, which is laminated between two extra-thick layers of 20mil fiberglass-reinforced silicone rubber, ensuring excellent strength and durability. The heating element is uniformly placed to maximize heat distribution and complies with NEC 427.23 standards. This heater is moisture and chemical resistant and includes a spring closure that can expand up to 3 inches (76mm) for a secure fit. An adjustable thermostat allows temperature control from 50 to 4250F (10 to 2180C) for metal drums or pails. The maximum exposure temperature on the heating surface is 4500F (2320C). It comes with a 6ft (1.8m) long power cord equipped with a standard 3-prong plug (NEMA 5-15).



The BriskHeat DHCS11 Drum Heater properly installed around a 15-gallon metal drum.

SAFETY INFORMATION

Always read and understand all instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the heater is connected to a properly grounded 120VAC power outlet. Do not use if the power cord or plug is damaged.
- **Temperature Control:** Do not exceed the maximum exposure temperature of 4500F (2320C) on the heating surface. Monitor the drum temperature to prevent overheating of contents.
- **Flammable Materials:** This heater is designed for heating non-flammable materials in metal drums. Do not use with flammable or combustible materials unless specifically rated for hazardous locations.
- **Physical Contact:** The heater surface becomes hot during operation. Avoid direct contact with the heater when it is powered on. Use appropriate personal protective equipment if handling a hot drum.
- **Installation:** Ensure the heater is securely fastened to the drum using the spring closure mechanism. Improper installation can lead to inefficient heating or damage.
- **Moisture:** While moisture and chemical resistant, avoid submerging the heater in liquids.

WHAT'S IN THE BOX

Upon unpacking, verify that all components are present and undamaged:

- BriskHeat DHCS11 Drum Heater (1 unit)

SETUP

1. **Prepare the Drum:** Ensure the 15-gallon metal drum is clean and free of any debris or obstructions where the heater will be placed.
2. **Position the Heater:** Wrap the BriskHeat DHCS11 heater band around the circumference of the drum. For optimal heat distribution, position the band around the lower or middle section of the drum, depending on the desired heating area.
3. **Secure the Heater:** Engage the spring closure mechanism to securely fasten the heater to the drum. Ensure the heater band is snug against the drum surface to maximize heat transfer. The spring closure can expand up to 3 inches (76mm) to accommodate slight variations.
4. **Connect Power:** Plug the 3-prong NEMA 5-15 plug of the heater's 6ft (1.8m) power cord into a properly grounded 120VAC electrical outlet.

OPERATING INSTRUCTIONS

1. **Set Thermostat:** Locate the adjustable thermostat on the heater. Rotate the dial to set the desired temperature for your drum contents. The thermostat range is 50 to 4250F (10 to 2180C). Start with a lower setting and gradually increase if higher temperatures are needed.
2. **Monitor Temperature:** For critical applications, it is recommended to use an external thermometer to monitor the actual temperature of the drum contents to ensure it reaches and maintains the desired temperature without exceeding safe limits.
3. **Continuous Operation:** The heater will cycle on and off to maintain the set temperature.
4. **Power Off:** To turn off the heater, unplug it from the power outlet. Allow the heater and drum to cool down before handling.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your BriskHeat DHCS11 Drum Heater.

- **Inspection:** Periodically inspect the heater band, power cord, and plug for any signs of damage, cuts, fraying, or discoloration. Do not use the heater if any damage is observed.
- **Cleaning:** The silicone rubber material is moisture and chemical resistant. If cleaning is necessary, wipe the exterior surfaces with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the heater is unplugged and cool before cleaning.
- **Storage:** When not in use, store the heater in a clean, dry place, away from direct sunlight and extreme temperatures. Avoid kinking or sharply bending the heating element.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Heater not heating	No power to outlet; Thermostat set too low; Heater element failure	Check power supply/breaker; Increase thermostat setting; Contact BriskHeat support
Drum contents not reaching desired temperature	Thermostat set too low; Heater not properly secured to drum; Ambient temperature too low; Drum contents too large/dense	Increase thermostat setting; Ensure snug fit; Consider insulation for drum; Allow more time for heating
Heater feels excessively hot to touch	Thermostat set too high; Heater operating without proper heat dissipation	Lower thermostat setting; Ensure drum is full and heat can transfer; Unplug if overheating persists





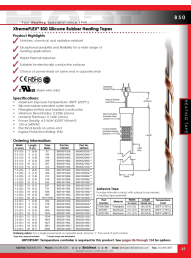

SPECIFICATIONS

Feature	Specification
Model Number	DHCS11
Voltage	120VAC
Watts	700W
Drum Capacity	15-Gallons (57L)
Thermostat Temperature Range	50 to 4250F (10 to 2180C)
Max Exposure Temperature (Heating Surface)	4500F (2320C)
Dielectric Strength	2000V
Dimensions (W x L)	4 x 44 inches (102 x 1118 mm)
Diameter (Drum)	14 inches (355 mm)
Material	2-Layer Fiberglass Reinforced Silicone Rubber
Power Cord Length	6ft (1.8m) with NEMA 5-15 plug
Manufacturer	BriskHeat

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please contact BriskHeat Corporation directly. Keep your purchase receipt as proof of purchase.
You can visit the official BriskHeat store for more information and contact details:[BriskHeat Store on Amazon](#)

Related Documents - DHCS11

	<p>BriskHeat SRL, SRP, SRMU, SRX Silicone Rubber Heating Blankets Instruction Manual</p> <p>Comprehensive instruction manual for BriskHeat SRL, SRP, SRMU, and SRX series silicone rubber heating blankets, covering safety, installation, operation, maintenance, and troubleshooting. Includes specifications and warranty information.</p>
	<p>BriskHeat Silicone Rubber Heating Blankets Instruction Manual</p> <p>Instruction manual for BriskHeat Silicone Rubber Heating Blankets, covering safety, installation, troubleshooting, and warranty information. Designed for Cole-Parmer and Davis Instruments.</p>
	<p>BriskHeat LYNX™ Temperature Control System Instruction Manual</p> <p>Comprehensive instruction manual for the BriskHeat LYNX™ Temperature Control System, covering setup, operation, specifications, troubleshooting, and warranty information. Learn how to install, configure, and operate your LYNX system for optimal temperature control.</p>
	<p>BriskHeat Wet-Area Full-Coverage Drum and Pail Heaters FGDHW FGDW Series</p> <p>Explore BriskHeat's Wet-Area Full-Coverage Drum and Pail Heaters (FGDHW FGDW Series). These heaters offer IP54 water resistance, easy-to-program digital control, and durable construction for industrial applications. View detailed specifications and ordering information.</p>
	<p>BriskHeat XtremeFLEX® BSO Silicone Rubber Heating Tapes - Product Datasheet</p> <p>Explore BriskHeat's XtremeFLEX® BSO Silicone Rubber Heating Tapes, featuring moisture, chemical, and radiation resistance, exceptional durability, and rapid thermal response. View specifications, ordering information, and adhesive tape options.</p>
	<p>BriskHeat TOTE TANK/IBC Immersion Heaters - Product Overview</p> <p>Detailed specifications and features for BriskHeat TOTE TANK/IBC Immersion Heaters. Learn about maximum thermal efficiency, easy installation, adjustable control, voltage, wattage, immersion length, temperature range, and ordering information.</p>