# HOPPER HEATING

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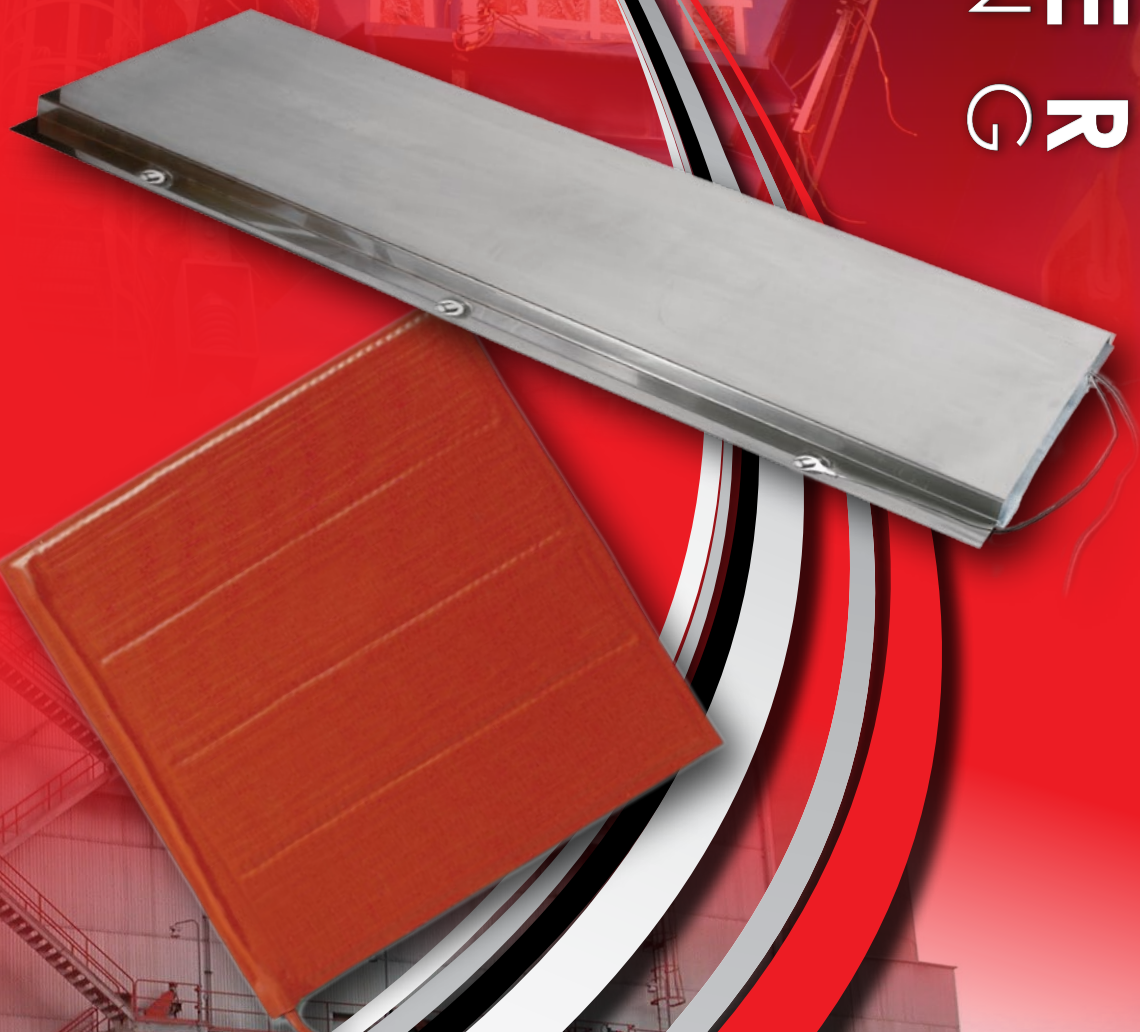


BriskHeat® Corporation

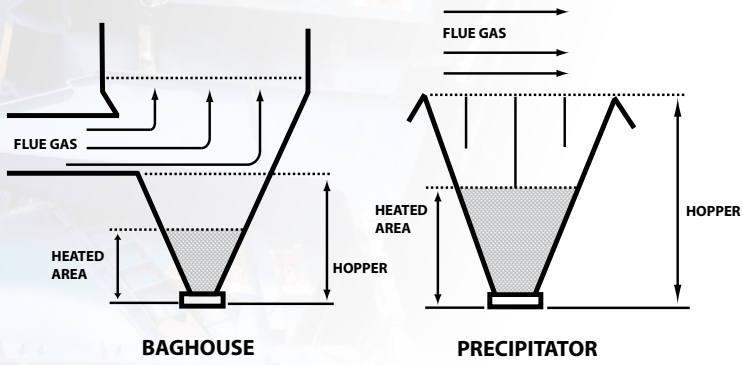
## Hopper Modular Surface Heaters

# Eliminate Bridging, Pluggage, Condensation, and Corrosion

**BriskHeat**® Hopper Surface Heating Systems maintain elevated temperatures above moisture and acid dew points using a proven combination of:

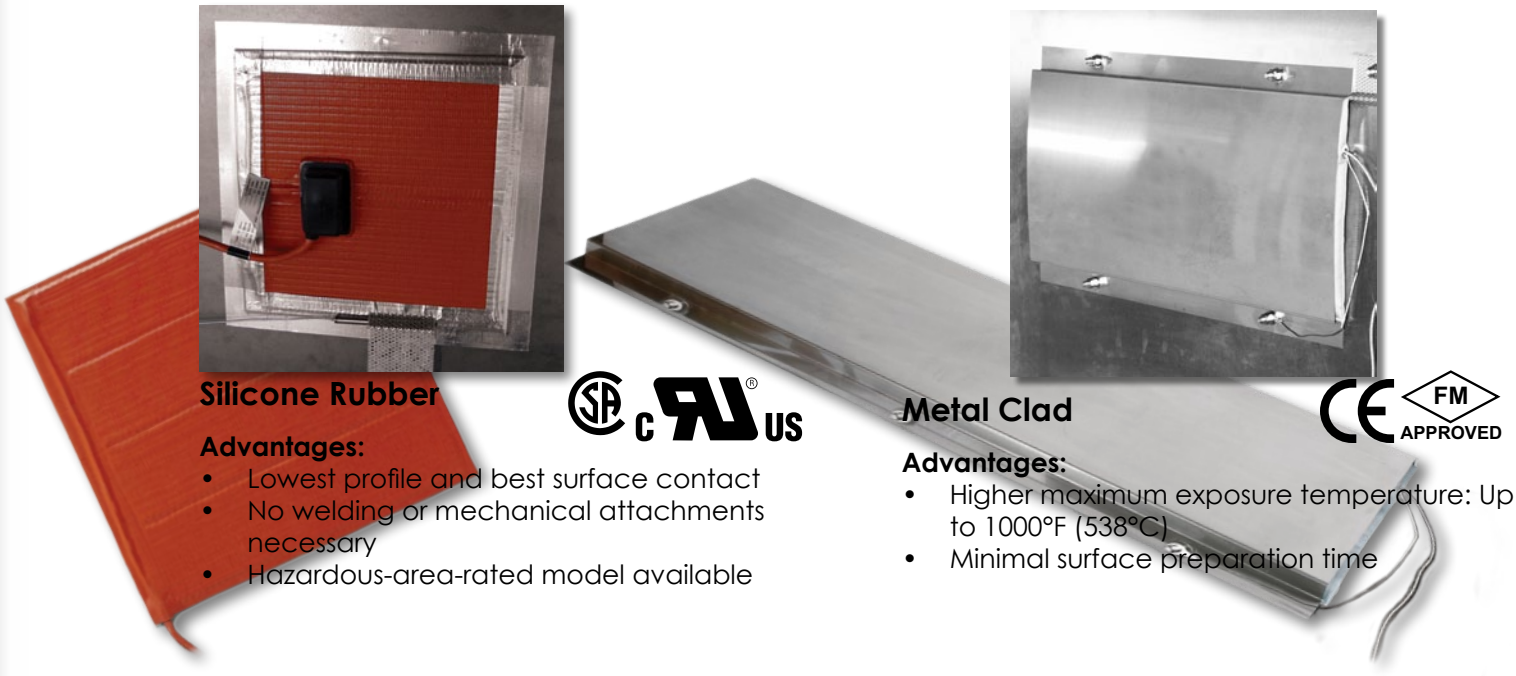
1. **Modular hopper surface heaters**
2. **Flexible heating tapes for throats, poke tubes, and manways**
3. **Temperature control and installation hardware**

IEEE 1069 STANDARD




Our modular design provides the:

- Easiest and lowest cost-of-installation
- Most cost-effective and energy-efficient heat possible across a large surface area



### Silicone Rubber

**Advantages:**
- Lowest profile and best surface contact
- No welding or mechanical attachments necessary
- Hazardous-area-rated model available

### Metal Clad

**Advantages:**
- Higher maximum exposure temperature: Up to 1000°F (538°C)
- Minimal surface preparation time

HOPPER HEATERS


**Toll Free:** 800-848-7673 **Phone:** 614-294-3376 **www.BriskHeat.com** **Email:** bhtsales1@briskheat.com **Fax:** 614-294-3807

# MCH Metal Clad Modular Hopper Surface Heater

## Product Highlights

- Ideal for ESP (Electrostatic Precipitator) hoppers, baghouse hoppers, and material and dust-collector hoppers
- System of modular heaters meets your heat-up and total wattage requirements
- Easy stud-welding installation
- Meets all IEEE 1069 standards
- Simple, one-piece stainless steel design
- Exceptional durability
- 5-year warranty
- FM APPROVED CE

## Specifications:

- Maximum exposure temperature: 1000°F (538°C)
- Power density range: 0.75 watts/ $in^2$ (.001 watts/$mm^2$) to 3.0 watts/ $in^2$ (.005 watts/$mm^2$)
- Patented grounded heating element; meets NEC 427.23
- Dielectric strength of over 2000 volts
- Choice of voltage: 120, 208, 240, 277, 480, or 600VAC single-phase
- Power Leads: 12ft (3.6m) long, moisture resistant, high-temperature stainless steel overbraid, with bare-wire connection

| Modular Heater Size Chart | | # of Stud Holes |
|---|---|---|
| Width in (mm) | Length in (mm) | |
| 3 (76) | 12 (305) | 2 |
| 6 (152) | 12 (305) | 2 |
| 12 (305) | 12 (305) | 4 |
| 12 (305) | 24 (610) | 4 |
| 12 (305) | 36 (914) | 6 |
| 12 (305) | 48 (1220) | 6 |

### Metal Clad Modular Hopper Surface Heater Break-down

**Stainless Steel Protective Shell**
- Protects heater from outdoor conditions
- Superior rigidity enhances heater-to-surface contact
- Corrosion and rust resistant

**Modular Blanket Hopper Heater**
- High-temperature construction
- Energy-efficient 3/4" (19mm) thick fiberglass insulation reduces required wattage and improves heat-up time

**Multi-Stranded Heating Element**
- Maximum uniformity, durability, and safety
- BriskHeat® exclusive core technology

### Stud Welding Kits:

| Type | # of Studs per Kit | Part Number |
|---|---|---|
| Arc Stud | 2 | MCHARC2 |
| | 6 | MCHARC6 |
| | 12 | MCHARC12 |
| Capacitive Discharge | 2 | MCHCD2 |
| | 6 | MCHCD6 |
| | 12 | MCHCD12 |

## Ordering Information:

Contact your local representative or BriskHeat® for a quotation and application assistance.

**IMPORTANT: Temperature controller is required for this product. See pages 82 through 100 for options.**

# Silicone Rubber Hopper Heater

## Product Highlights

- Eliminate Bridging, Pluggage, Condensation and Corrosion
- Lowest profile and best surface contact
- No welding or mechanical attachments necessary
- Hazardous-area-rated model available
- Temperatures up to 450°F (232°C)
- CSA CE RoHS Compliant REACH
- c UL us Up To 358°F (181°C)

**Moisture and Chemical Resistant**

**Temperatures up to**

**450°F (232°C)**

## Specifications:

- Power density: engineered to meet your application
- Moisture, chemical, and radiation resistant
- Heating element is laminated between two layers of 20mil fiberglass reinforced silicone rubber
- Exposure temperature range: -60°F to 450°F (-51°C to 232°C)
- Patented grounded heating element
- Dielectric strength of over 2000 volts
- Silicone density 21.7 oz/yd$^2$ (736 grams/m$^2$) per layer
- 120, 208, 240, 277, 480, or 600VAC
- Configured for your system

## Heating Tape

Extremely flexible heating tapes that easily install around challenging components like throats, poke tubes, and manways.

See pages 24 through 38 to view our full line of heating tapes.





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