

BriskHeat®

Your Heating Specialist Since 1949

LABORATORY HEATING SOLUTIONS



Metal-Housed Heating Mantles

- ▶ Uniform heat distribution for round-bottom flasks
- ▶ Safe touch tabletop design
- ▶ Operating Temperatures up to 842°F (450°C)
- ▶ Min/Max control for low/high volume heating

HEATING MANTLE WITH BUILT-IN CONTROL AND MAGNETIC STIRRER

- Built-in time percentage temperature controller
- Built-in magnetic stirrer



Part No. 120 V	Total Watts	Flask Size (ml)
HM0100MS1	110	100
HM0250MS1	165	250
HM0500MS1	220	500
HM1000MS1	325	1000

HEATING MANTLE WITHOUT BUILT-IN CONTROL

- Temperature controller required for use with this heater
- Ideal for applications requiring tight temperature control



Part No. 120 V	Part No. 240 V	Total Watts	Flask Size (ml)
HM0050MH1	HM0050MH2	55	50
HM0100MH1	HM0100MH2	100	100
HM0250MH1	HM0250MH2	150	250
HM0500MH1	HM0500MH2	200	500
HM1000MH1	HM1000MH2	300	1000
HM2000MH1	HM2000MH2	500	2000
HM3000MH1	HM3000MH2	600	3000
HM4000MH1	HM4000MH2	750	4000
HM5000MH1	HM5000MH2	860	5000
HM6000MH1	HM6000MH2	1000	6000

HEATING MANTLE WITH BUILT-IN CONTROL

- Built-in time percentage temperature controller



Part No. 120 V	Part No. 240 V	Total Watts	Flask Size (ml)
HM0050MC1	HM0050MC2	55	50
HM0100MC1	HM0100MC2	100	100
HM0250MC1	HM0250MC2	150	250
HM0500MC1	HM0500MC2	200	500
HM1000MC1	HM1000MC2	300	1000
HM2000MC1	HM2000MC2	500	2000
HM3000MC1	HM3000MC2	600	3000
HM4000MC1	HM4000MC2	750	4000
HM5000MC1	HM5000MC2	860	5000
HM6000MC1	HM6000MC2	1000	6000

Accessories

Part No. 120 V	Watts
HCLAMP	Support clamp for laboratory frame rods, Accommodates up to a 13 mm diameter rod).
GFCI01	Converts a standard outlet into a GFCI protected outlet. For 120 VAC use, max 15A.
Contact BriskHeat	Egg-shaped magnetic stir bar. PTFE coated.

Egg-shaped magnetic stir bar. PTFE coated.



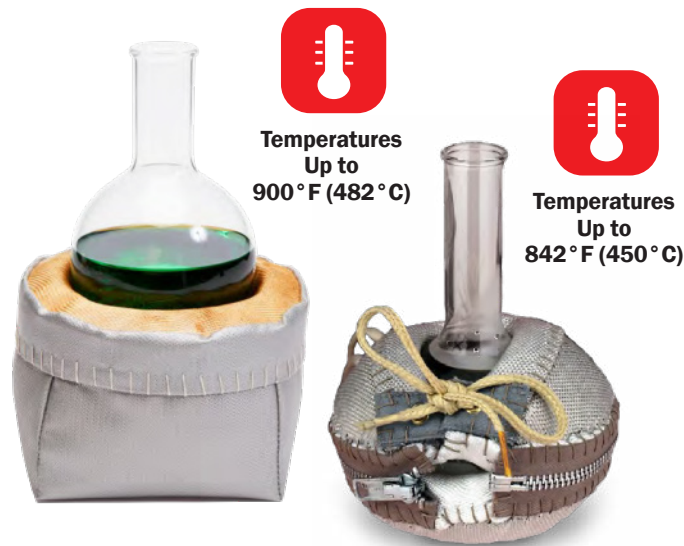
IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.

BSO XtremeFLEX® Silicone Rubber Heating Tapes

- ▶ Easily heat and insulate chambers, reactors, pipe systems, gas lines, and more!
 - Diameters as small as 1/4 in (6 mm)
 - Flanges, VCR nuts, valves, unistruts, etc.
- ▶ Any shape or size
- ▶ Uniform temperatures throughout entire line or component
- ▶ Easy on-off installation with durable and reusable hook and loop fasteners
- ▶ High temperature capabilities
 - Up to 1099°F (593°C)
- ▶ Patented grounded heating element

Free Design Services!

BriskHeat provides free engineering design and quotes for a solution to fit your exact heating needs. Contact your BriskHeat representative to learn more!



Temperatures
Up to
900°F (482°C)

Temperatures
Up to
842°F (450°C)

Silicone Rubber Griffen Beaker Heaters



Moisture
& Chemical
Resistant

- ▶ Provides even heat distribution for Griffen and standard beaker heating applications
- ▶ Easy-to-install and remove with hook and loop fastener. Provides easy access to graduation.
- ▶ Moisture and chemical resistant
- ▶ Maximum exposure temperature up to 450°F (232°C)

Part No. 120 V	Part No. 240 V	Watts	Beaker Size (ml)
GBH0250-1	GBH0250-2	150	250
GBH0400-1	GBH0400-2	200	400
GBH0600-1	GBH0600-2	250	600
GBH1000-1	GBH1000-2	350	1000

Cloth Heating Mantles



- ▶ Lower hemispherical heating mantle (other styles available)
- ▶ Uniform heat distribution for a variety of round bottom flasks
- ▶ Ideal for use with a basket ring stand
- ▶ Maximum exposure temperature up to 842°F (450°C)

Part No. 120 V	Part No. 240 V	Watts	Flask Size (ml)
HM0100-HS1	HM0100-HS2	100	80
HM0250-HS1	HM0250-HS2	250	180
HM0500-HS1	HM0500-HS2	500	270
HM1000-HS1	HM1000-HS2	1000	380
HM3000-HS1	HM3000-HS2	3000	500
HM5000-HS1	HM5000-HS2	5000	600

IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.

XtremeFLEX® High-Temperature Heating Tapes

- ▶ Highly flexible and durable
- ▶ High watt density for rapid thermal response
- ▶ Maximum exposure temperature
 - Remove and reinstall 572°F (300°C)
 - Single install 932°F (500°C)

Part No. 120 V	Part No. 240 V	Watts	Tape Width in (mm)	Tape Length ft (m)
BIH101010L	N/A	105	1 (2.5)	1 (0.3)
BIH101020L	BIH102020L	210	1 (2.5)	2 (0.6)
BIH101040L	BIH102040L	420	1 (2.5)	4 (1.2)
BIH101060L	BIH102060L	620	1 (2.5)	6 (1.8)
BIH101080L	BIH102080L	830	1 (2.5)	8 (2.4)
BIH101100L	BIH102100L	1045	1 (2.5)	10 (3.0)
BIH101120L	BIH102120L	1250	1 (2.5)	12 (3.6)

Other standard sizes and voltages available

IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.



XtremeFLEX® High-Temperature Heating Cords

- ▶ Most flexible heater. Can be wrapped around objects as small as 1/8 in (3 mm) diameter
- ▶ Ideal for small tubes, vessels, or other applications where space is limited
- ▶ Rapid thermal response
- ▶ Maximum exposure temperature 1400°F (760°C)

Part No. 120 V	Part No. 240 V	Watts	Cord Length ft (m)
HWC1040	N/A	266	4 (1.2)
HWC1060	N/A	350	6 (1.8)
HWC1120	HWC2120	750	12 (3.7)
HWC1180	HWC2180	1000	18 (5.5)
HWC1240	HWC2240	1440	24 (7.3)

IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.

Need a custom solution?

We can provide you with a custom solution to fit the exact needs for all of your laboratory heating applications. Contact your BriskHeat representative to learn more!



XtremeFLEX® Silicone Rubber Heating Tapes

- ▶ Moisture and chemical resistant
- ▶ Exceptionally flexible
- ▶ Maximum exposure temperature 450°F (232°C)

Part No. 120 V	Part No. 240 V	Watts	Tape Width in (mm)	Tape Length ft (m)
BS0051020L	BS0052020L	52	1/2 (13)	2 (0.6)
BS0051040L	BS0052040L	104	1/2 (13)	4 (1.2)
BS0051060L	BS0052060L	156	1/2 (13)	6 (1.8)
BS0051080L	BS0052080L	209	1/2 (13)	8 (2.4)
BS0101020L	BS0102020L	104	1 (25)	2 (0.6)
BS0101040L	BS0102040L	209	1 (25)	4 (1.2)
BS0101060L	BS0102060L	313	1 (25)	6 (1.8)
BS0101080L	BS0102080L	418	1 (25)	8 (2.4)

Other standard sizes and voltages available

IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.



**Moisture
& Chemical
Resistant**

Silicone Rubber Heating Blankets

- ▶ Suitable for large range of surfaces and objects
- ▶ Moisture, chemical, and radiation resistant
- ▶ Exposure temperature range: -60°F to 450°F (-51°C to 232°C)

Part No. 120 V	Part No. 240 V	Watts	Width in (mm)	Length in (mm)	PSA Adhesive
SRL06121P	SRL06122P	180	6 (152)	12 (305)	PSA
SRL06241P	SRL06242P	360	6 (152)	24 (610)	PSA
SRL12121P	SRL12122P	360	12 (305)	12 (305)	PSA
SRL12241P	SRL12242P	720	12 (305)	24 (610)	PSA
SRL06121	SRL06122	180	6 (152)	12 (305)	No PSA
SRL06241	SRL06242	360	6 (152)	24 (610)	No PSA
SRL12121	SRL12122	360	12 (305)	12 (305)	No PSA
SRL12241	SRL12242	720	12 (305)	24 (610)	No PSA

Note: Plug not included

Other standard sizes and voltages available


IMPORTANT: Temperature controllers are required for heaters without a built-in temperature controller.



**Moisture
& Chemical
Resistant**

SDX Digital PID Benchtop Temperature Controller

- ▶ Advanced PID temperature control
- ▶ Benchtop plug-and-play design*
- ▶ Programmable in °F and °C
- ▶ 5 ft (1.5 m) temperature sensor included

Part No.	Voltage	Sensor Type	Input Plug
SDXJA	100 - 125 VAC	Type-J T/C	
SDXKA	100 - 125 VAC	Type-K T/C	
SDXRA	100 - 125 VAC	PT100-RTD	


*79 in (2 m) input power cord and plug included

Standard 240 VAC models also available with different plug options



HL101 Digital Temperature Limit Controller

- ▶ Adds high-limit cutoff safety for critical temperature applications
- ▶ For use with a temperature controller
- ▶ Benchtop plug-and-play design
- ▶ 10 ft (3 m) thermocouple sensor included

Part No.	Voltage	Sensor Type	Temperature Display	Input Plug/ Output Receptacle
HL120JA-F	115 VAC	Type-J T/C	°F	
HL120KA-F	115 VAC	Type-K T/C	°F	
HL120JA-C	115 VAC	Type-J T/C	°C	
HL120KA-C	115 VAC	Type-K T/C	°C	

Standard 240 V models also available with NEMA 6-15 plug/receptacle



SDC Digital Temperature Controller

- ▶ Compact benchtop on/off digital temperature controller
- ▶ Choice of 5-foot (1.5m) J-type or K-type factory installed thermocouple sensor
- ▶ 5-foot (1.5 m) input power cord with standard 120V three-prong plug (NEMA 5-15)*
- ▶ 5-foot (1.5 m) output power cord with standard 120V three-prong receptacle (NEMA 5-15R)*

Part No.	Voltage	Thermocouple Type	Degrees °F or °C
SDC120JF-A	98 - 132 VAC	J-Type	°F
SDC120KF-A	98 - 132 VAC	K-Type	°F
SDC120JC-A	98 - 132 VAC	J-Type	°C
SDC120KC-A	98 - 132 VAC	K-Type	°C

*Standard 240 VAC models also available with different plug options



Controller/Heater Bundles

Bundle your:

Heating Mantles

Beaker Heaters

Heating Tapes

Heating Cords

with our

SDX PID Digital Controller

or

SDC-Benchtop Digital Controller

Bundle Highlights

- Many choices and options
- Ideal for a wide range of applications including pipe heating, valves, glassware, gas lines, temporary heat, and more!



COMPLETE PLUG-AND-PLAY SOLUTION

Includes Temperature
Controller Heater
& Sensor



Other Heating Solutions



About BriskHeat

BriskHeat manufactures flexible surface heating products, controls, and accessories for unlimited applications.

Examples of our products include heating tapes, cables, blankets, drum and tote heaters, and cloth jackets. Countless industries have found their solution with our heating products, including oil & gas, semiconductor, food processing, biotech, aviation, laboratory, power generation and many others.

BriskHeat has a broad range of experience solving your applications for freeze protection, viscosity control, condensation prevention, and process heat. We are the world- wide leader in flexible surface heat and heat trace applications for piping, vessels, pumps, valves, and other objects. Additionally, we offer a full line of controller options.

Large or small projects, high or low volume, US or worldwide, BriskHeat stands by to help you work through any surface or object heating issues you might encounter. With an accessible staff of sales and application engineers experienced at helping you find the best solution for your needs, BriskHeat is your heating specialist.

BriskHeat®

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