Heating Mantles for Laboratory Flasks

BriskHeat® Heating Mantles offer uniform heat distribution for round-bottom flasks. Whether the need is a self-standing mantle, a mantle to fit in a basket ring stand, or a full coverage zippered mantle, BriskHeat® Heating Mantles provide the solution.

Product Highlights

✓ **Molded to Fit Round-Bottom Flasks**

✓ **Fits in a Basket Ring Stand or Bench Top**

✓ **Temperatures up to 900°F (482°C)**

✓ **Low Watt Density**

HM Lower Hemispherical Heating Mantles

Product Highlights
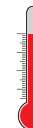
✓ Ideal for use with basket ring stand

✓ 120VAC model includes 3" (76mm) lead wire with NEMA L1-15R connector and a 4-foot (1.2m) power adaptor cord with NEMA 1-15 plug.

✓ 240VAC model includes 3" (76mm) lead wire with no plug

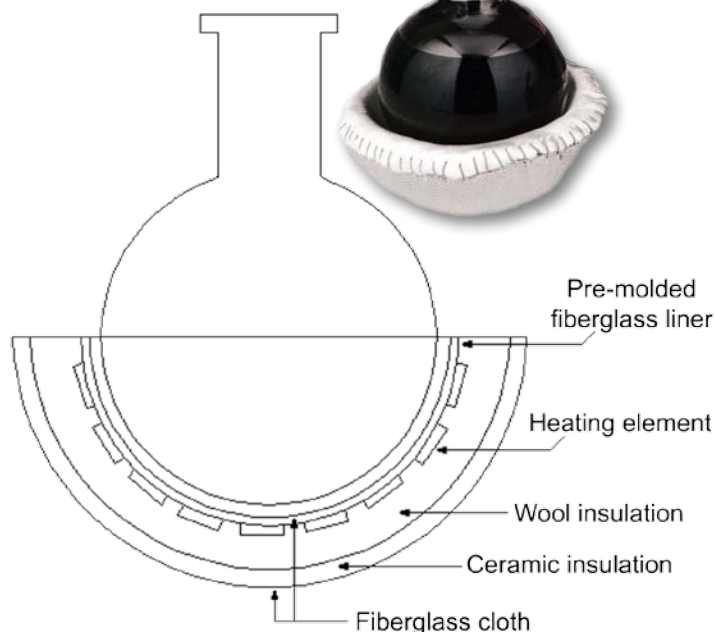✓ CSA CE RoHS Compliant REACH

Temperatures up to

842°F (450°C)

Ordering Information:

Size ml	Total Watts	Part Number	
		120VAC	**240VAC**
50	60	HM0050-HS1	HM0050-HS2
100	80	HM0100-HS1	HM0100-HS2
125	80	HM0125-HS1	HM0125-HS2
200	100	HM0200-HS1	HM0200-HS2
250	180	HM0250-HS1	HM0250-HS2
500	270	HM0500-HS1	HM0500-HS2
1000	380	HM1000-HS1	HM1000-HS2
2000	500	HM2000-HS1	HM2000-HS2
3000	500	HM3000-HS1	HM3000-HS2
5000	600	HM5000-HS1	HM5000-HS2
12000	1300	HM12000-HS1	HM12000-HS2

Pre-molded fiberglass liner

Heating element

Wool insulation

Ceramic insulation

Fiberglass cloth

IMPORTANT: Temperature controller is required for this product. See pages 80 through 100 for options.

LABORATORY

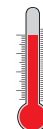# HM Upper Hemispherical Heating Mantles

Product Highlights

✓ Opening holds 1, 2, or 3 neck flasks on ring stand

✓ Ideal for preventing vapor condensation in upper half of flask

✓ 120VAC model includes 3" (76mm) lead wire with NEMA L1-15R connector and a 4-foot (1.2m) power adaptor cord with NEMA 1-15 plug.
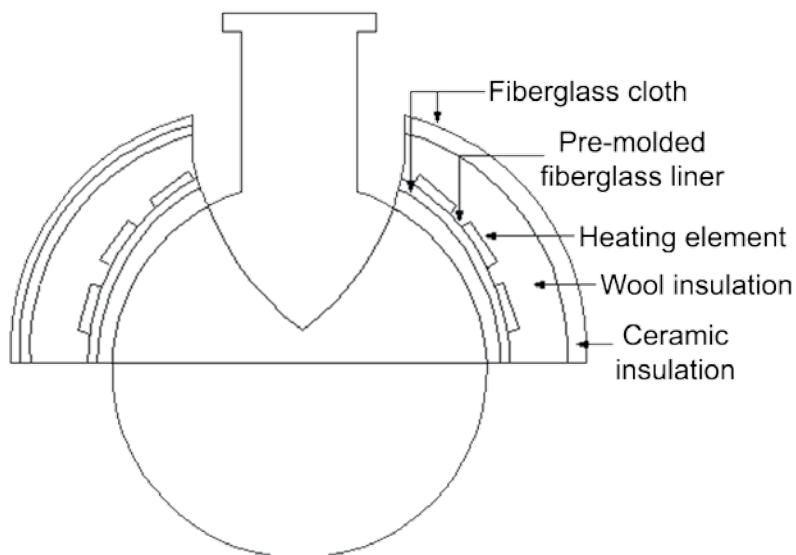
✓ 240VAC model includes 3" (76mm) lead wire with no plug

✓ CSA CE RoHS Compliant REACH

Temperatures up to

842°F (450°C)

Fiberglass cloth
Pre-molded fiberglass liner
Heating element
Wool insulation
Ceramic insulation

Ordering Information:

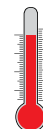| Size ml	Total Watts	Part Number	
		120VAC	**240VAC**
250	140	HM0250-TS1	HM0250-TS2
500	140	HM0500-TS1	HM0500-TS2
1000	140	HM1000-TS1	HM1000-TS2
2000	200	HM2000-TS1	HM2000-TS2
3000	200	HM3000-TS1	HM3000-TS2
5000	300	HM5000-TS1	HM5000-TS2

HM Spherical Heating Mantles

Product Highlights

✓ Opening holds 1, 2, or 3 neck flasks on ring stand

✓ Zipper fastens upper and lower halves together

✓ 120VAC model includes 3" (76mm) lead wire with NEMA L1-15R connector and a 4-foot (1.2m) power adaptor cord with NEMA 1-15 plug.
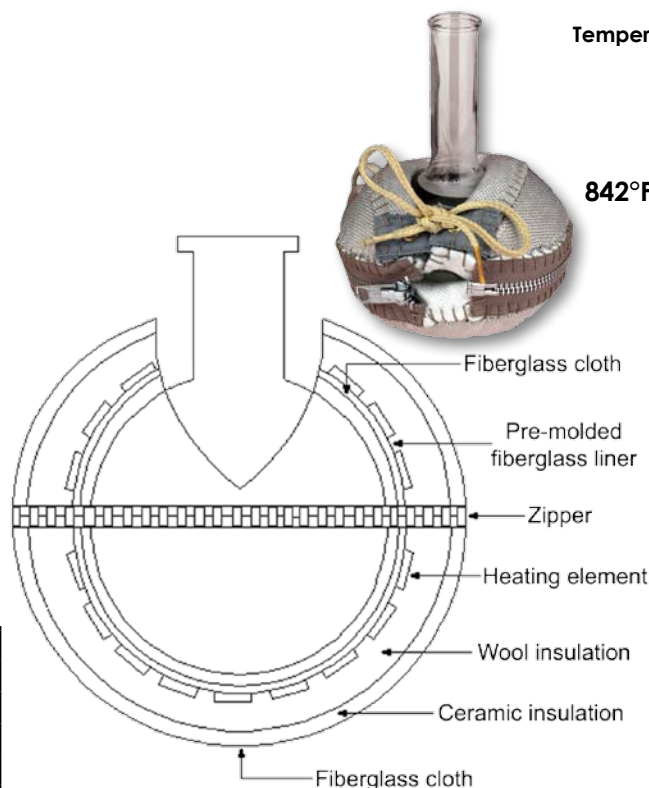
✓ 240VAC model includes 3" (76mm) lead wire with no plug

✓ CSA CE RoHS Compliant REACH

Temperatures up to

842°F (450°C)

Fiberglass cloth
Pre-molded fiberglass liner
Zipper
Heating element
Wool insulation
Ceramic insulation
Fiberglass cloth

Ordering Information:

Size ml	Total Watts		Part No. 120VAC	Part No. 240VAC
	upper	**lower**		
500	0	270	HM0500-SS1	HM0500-SS2
1000	140	380	HM1000-SS1	HM1000-SS2
2000	200	500	HM2000-SS1	HM2000-SS2

IMPORTANT: Temperature controller is required for these products. See pages 80 through 100 for options.
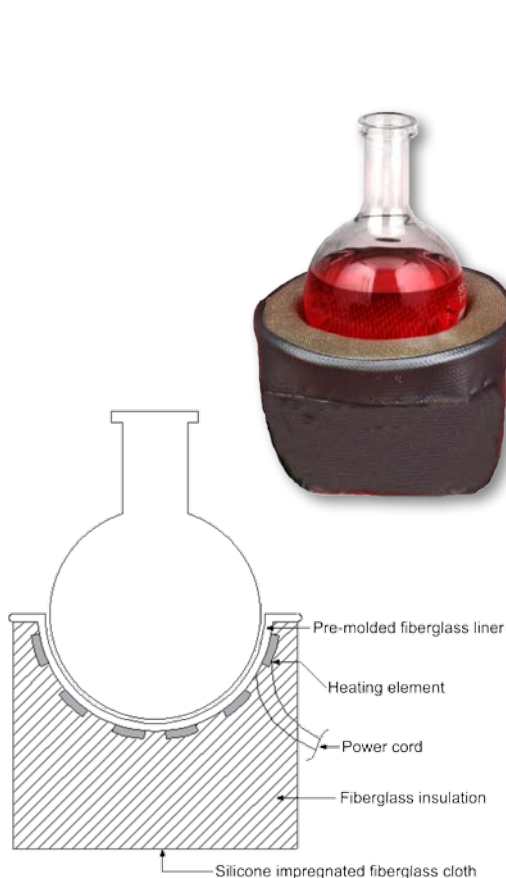
HM Table Top Heating Mantles

Product Highlights

✓ Self-supporting: can be placed directly on counter top

✓ Easy viewing of flask contents

✓ Stackable for easy storage

✓ Includes 6-foot (1.8m) power cord with either a NEMA 1-15 (for 120VAC) or NEMA 6-15 (for 240VAC) plug

✓ CSA CE RoHS Compliant REACH

Temperatures up to

900°F (482°C)

Ordering Information:

Size ml	Total Watts	Part Number 120VAC	Part Number 240VAC
50	52	HM0050VF1	HM0050VF2
100	70	HM0100VF1	HM0100VF2
250	143	HM0250VF1	HM0250VF2
500	210	HM0500VF1	HM0500VF2
1000	377	HM1000VF1	HM1000VF2
2000	520	HM2000VF1	HM2000VF2
3000	550	HM3000VF1	HM3000VF2
5000	620	HM5000VF1	HM5000VF2

Pre-molded fiberglass liner
Heating element
Power cord
Fiberglass insulation
Silicone impregnated fiberglass cloth

IMPORTANT: Temperature controller is required for this product. See pages 80 through 100 for options.

Temperature Controllers for Heating Mantles

TP0 Portable Time Percentage Dial Temperature Controller Features:
• 120 or 240VAC
• 15 amps
• Compact portable design
• Plug-in operation
The TP0 series controller varies the proportion (length) of time a heater is in the "on" or "off" heating mode. The heating application will determine the actual percentage set point required. The controller does not use a temperature sensor and therefore satisfactory operation requires occasional supervision under changing load conditions.

BriskONE Digital PID Thermocouple Temperature Controller Features:
• Accuracy: ±1 least significant digit
• Operating voltage 120 or 240 VAC, +10% -15%, 50-400Hz
• Rated 15a @ 120VAC, 10a @ 240VAC
• Type J thermocouple input
• Dual display shows set-point and actual temperature
• Programmable to either °C or °F
• Automatic tuning of PID parameters
• Auto / manual control ability
• Compact portable design
• Simple four key user control

SDC Benchtop Temperature Controller Features:
• Temperature Control Range: 32-999°F (0- 600°C)
• J-type or K-type Thermocouple Sensor - 5-foot (1.5 m) factory installed
• 120 VAC or 240 VAC power input
• 10-Amp Fused Output
• Small Unit Size

TS0 Portable Bulb and Capillary Temperature Controller Features:
• 120 or 240VAC
• 15 amps
• 4-foot copper bulb and capillary
• Compact portable design
• Plug-in operation

For more information and choices, go to the full temperature controller section at pages 80 through 100.