

## HEATING CORDS

### High Temperature Heating Cords



Designed especially for high temperature use, these flexible heating cords can be installed and removed quickly. The coil can wrap around a tube as small as 1/2" diameter without damage. Made of glass fabric material with a temperature range up to 400°C, these cords are available in various lengths and come complete with plug.

CATALOG NO.	GLAS-COL NUMBER	LENGTH	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8889-100	103B CC2	2'	80W	115V	1	\$100.45
LG-8889-102	103B CC3	3'	120W	115V	1	\$108.65
LG-8889-104	103B CC4	4'	160W	115V	1	\$129.15
LG-8889-106	103B CC6	6'	240W	115V	1	\$144.53
LG-8889-108	103B CC8	8'	340W	115V	1	\$149.65
LG-8889-110	103B CC10	10'	400W	115V	1	\$171.18
LG-8889-112	103B CC12	12'	480W	230V	1	\$196.80
LG-8889-114	103B CC14	14'	560W	230V	1	\$212.18
LG-8889-116	103B CC16	16'	640W	230V	1	\$233.70

## HEAT GUN

### Heavy Duty Heat Gun



Listed



Certified

This heavy duty, industrial quality heat gun features a universal motor and high air velocity. It can provide temperatures from 260°/400°C (500°/750°F).

CATALOG NO.	AMPS	OPERATING FREQUENCY	TEMPERATURE RANGE	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-9034-100	14A	60Hz	260/400°C (500/750°F)	1680W	120V	1	\$234.13

## HEATING TAPE



### Heating Tape

Especially designed for use where tapes are frequently installed and removed, these tapes have heating elements that are precision ribbon type - insulated with glass braid and impregnated with tough, pliable, silicone rubber. Both supply leads are at the same end of the tape, wired to a twist lock for attachment to a heater cord. The other ends are joined and finished with a waterproof silicone rubber fitting. Temperature limit is 450°F.

Double element heating tapes are only 1/16" thick, yet they are unusually flexible, easy to handle, strong and durable. They are supplied in the standard lengths listed below, complete with plug and cord. A variable transformer should be used to control temperature level and heat input.

CATALOG NO.	GLAS-COL NUMBER	LENGTH x WIDTH	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8888-100	103A DET0.254	4' x 1/4"	60W	45V	1	\$104.70
LG-8888-112	103A DET0.58	8' x 1/2"	280W	95V	1	\$147.60
LG-8888-124	103A DET120	20' x 1"	585W	230V	1	\$410.65
LG-8888-126	103A FET0.65	5' x 5/8"	145W	115V	1	\$152.73
LG-8888-134	103A SET13	3' x 1"	150W	115V	1	\$154.78
LG-8888-136	103A SET14	4' x 1"	120W	115V	1	\$161.95
LG-8888-138	103A SET15	5' x 1"	100W	115V	1	\$184.50

## BEAKER MANTLE



### Beaker Heating Mantles

These heating mantles feature insulated glass fabric that conforms to unusual vessel shapes. They concentrate the heat at the bottom of the mantle for small volume heating applications. Mantles for Griffin beakers require a controlled electrical power source to prevent overheating. Wattage figures provided are for 115V circuits.

CATALOG NO.	FITS BEAKER	WATTAGE	QUANTITY / PACK	PRICE
LG-8862-102	100mL	100W	1	\$256.25
LG-8862-104	150mL	100W	1	\$263.43
LG-8862-106	250mL	140W	1	\$270.60
LG-8862-108	400mL	240W	1	\$280.85
LG-8862-110	600mL	325W	1	\$316.73
LG-8862-112	800mL	350W	1	\$348.50
LG-8862-114	1000mL	430W	1	\$371.05
LG-8862-116	2000mL	550W	1	\$382.33
LG-8862-118	3000mL	630W	1	\$402.83
LG-8862-120	4000mL	710W	1	\$428.45

## REACTION VESSEL MANTLE

### Reaction Flask Heating Mantles, Side Zip, 1-1/4 inch Bottom Opening



These all-glass constructed heating mantles are for use with LG-8010 and LG-8011 reaction flasks and provide even heat distribution and prevent scorching of clear materials. They feature a 1-1/4" opening to accommodate bottom take-off tube and a zipper for easy on and off. All wattage is for 115V circuits.

CATALOG NO.	FLASK CAPACITY	GLASS-COL NUMBER	INSIDE DEPTH	I.D.	WATTAGE	QUANTITY / PACK	PRICE
LG-8877-100	500mL	0-560	2-1/2"	4-5/8"	250W	1	\$453.73
LG-8877-102	1000mL	0-562	5-5/8"	4-5/8"	300W	1	\$529.28
LG-8877-104	1500mL	0-564	6-5/8"	4-5/8"	380W	1	\$497.35
LG-8877-106	2000mL	0-566	8-7/8"	4-5/8"	450W	1	\$560.13
LG-8877-108	3000mL	0-568	10"	4-5/8"	600W	1	\$576.40
LG-8877-110	3000mL	0-568X	13"	4-5/8"	600W	1	\$756.20

### Reaction Flask Heating Mantles



These all-glass constructed heating mantles are for use with LG-8010 and LG-8011 reaction flasks and provide even heat distribution and prevent scorching of clear materials. All heat input is in one electrical circuit to simplify temperature control.

CATALOG NO.	FLASK CAPACITY	GLASS-COL NUMBER	INSIDE DEPTH	I.D.	WATTAGE	QUANTITY / PACK	PRICE
LG-8879-100	500mL	0-560	2-1/2"	4-5/8"	250W	1	\$435.04
LG-8879-102	1000mL	0-562	5-5/8"	4-5/8"	300W	1	\$439.18
LG-8879-104	1500mL	0-564	6-5/8"	4-5/8"	380W	1	\$446.45
LG-8879-106	2000mL	0-566	8-7/8"	4-5/8"	450W	1	\$513.58
LG-8879-108	3000mL	0-568	10"	4-5/8"	600W	1	\$521.44
LG-8879-110	3000mL	0-568X	13"	4-5/8"	600W	1	\$705.31

## Reaction Kettle Heating Mantles



These all-glass constructed heating mantles are for use with LG-8071 through LG-8089 reaction kettles to provide even heat distribution. Wattage requirements are for 115V circuits. Heating circuits have two short lead-in wires connected by a Hubbell plug to a 4 ft. long, 2-wire type SJT cord.

CATALOG NO.	FITS VESSEL SIZE	FITS VESSEL DIAMETER	GLAS-COL NUMBER	MANTLE DEPTH	WATTAGE	QUANTITY / PACK	PRICE
LG-8881-100	500mL	3-3/4"	0-570	5"	270W	1	\$376.94
LG-8881-102	1000mL	4-1/4"	0-572	5-1/4"	335W	1	\$405.90
LG-8881-106	2000mL	5-1/2"	0-576	6"	470W	1	\$418.20
LG-8881-108	3000mL	5-1/2"	0-578	9"	550W	1	\$401.37
LG-8881-110	4000mL	5-1/2"	0-580	11"	750W	1	\$455.10

## ALUMINUM HOUSING MANTLE

### Hemispherical Heating Mantles with Aluminum Housing



As the most compact available, these hemispherical aluminum housed heating mantles are coupled with a resilient glass fabric inside for support to allow accompanying flasks to be protected from thermal strain. Mantle covers only bottom of the flask so contents are fully visible. These heating mantles will withstand internal operating temperatures up to 450°C. Grounded through the aluminum housing, they include a detachable four foot long, 3-wire cord and locking connector.

NOTE: Require a support. See LG-8920-series and LG-8940-series.

CATALOG NO.	FITS FLASK SIZE	GLAS-COL NUMBER	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8825-112	1000mL	100C M108	380W	115V	1	\$342.35
LG-8825-114	2000mL	100C M110	500W	115V	1	\$361.83
LG-8825-120	12000mL	100C M116	2 x 650W	115V	1	\$1008.60
LG-8825-122	22000mL	100C M118	2 x 770W	115V	1	\$1140.83



## Aluminum Bench Top Hemi Heating Mantles

These benchtop heating mantles are hemispherical and are used for round bottom glass flasks. With an outside aluminum housing and an internal glass fabric covering, these units can be used at temperatures up to 450°C and are available for flask sizes up to 22,000mL. They are supplied with detachable 4 foot, 3-wire type SJT cord, and three wire terminal with one wire grounded to the housing. 115V.

CATALOG NO.	FLASK CAPACITY	GLAS-COL NUMBER	WATTAGE	QUANTITY / PACK	PRICE
LG-8875-114	1000mL	100B TM108	380W	1	\$309.55
LG-8875-116	2000mL	100B TM110	500W	1	\$323.90
LG-8875-118	3000mL	100B TM112	500W	1	\$385.40
LG-8875-120	5000mL	100B TM114	600W	1	\$477.65
LG-8875-122	12000mL	100B TM116	2 x 650W	1	\$894.83
LG-8875-124	22,000mL	100B TM118	2 x 770W	1	\$1031.15

## Heating Mantle Splash Guards



Splash guards can help prevent mantle damage from chemical spillage and improve operating safety when heating liquids. Use with low-wattage mantles for flasks, beakers and funnels. A rugged silicone pad grips outer circumference of vessel holding it securely in place. Use with LG-8825 and LG-8875 mantles.

CATALOG NO.	CAPACITY	USED WITH	QUANTITY / PACK	PRICE
LG-8876-104	1000mL	LG-8875-114	1	\$125.05
LG-8876-108	1000mL	LG-8825-112	1	\$133.25
LG-8876-110	2000mL	LG-8875-116	1	\$145.55
LG-8876-112	2000mL	LG-8825-114	1	\$151.70
LG-8876-114	3000mL	LG-8875-118	1	\$159.90
LG-8876-118	5000mL	LG-8875-120	1	\$232.68

## Reaction Kettle Aluminum Heating Mantle



Aluminum housing exterior-designed to be used with reaction kettles LG-8071 through LG-8082 .

Equipped with a 3-wire terminal with one grounded to housing. Includes detachable 4 foot 3-wire cord and locking connector.

CATALOG NO.	FITS VESSEL DIAMETER	FITS VESSEL SIZE	MANTLE DEPTH	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8883-100	3-3/4"	500mL	4-1/2"	270W	115V	1	\$358.75
LG-8883-102	4-1/4"	1000mL	5-1/4"	335W	115V	1	\$373.10
LG-8883-106	5-1/2"	2000mL	6"	470W	115V	1	\$384.38
LG-8883-108	5-1/2"	3000mL	9"	550W	115V	1	\$432.55
LG-8883-110	5-1/2"	4000mL	11"	750W	115V	1	\$470.48

## High Temperature Heating Mantles



These bench top mantles are spherical to accommodate a round glass flask. Models LG-8887-112, -114, -116, and -118 are supplied with a 4', 3-wire cord and locking connector. Models LG-8887-120 and LG-8887-122 are supplied with a terminal box. These mantles are housed in aluminum with quartz fabric. They are wired for high wattage and suitable for temperatures up to 650°C. A higher temperature range allows operations such as rapid distillation of water and liquid-phase cracking in a flask, where the products are removed through a column. Useful for distillation and fractionation processes, especially when time is important.

CATALOG NO.	FITS FLASK SIZE	GLAS-COL NUMBER	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8887-112	1000mL	100B STM1000	600W	115V	1	\$454.08
LG-8887-114	2000mL	100B STM1100	870W	115V	1	\$567.85
LG-8887-116	3000mL	100B STM1200	970W	115V	1	\$673.43
LG-8887-118	5000mL	100B STM1300	2 x 700W	115V	1	\$818.98
LG-8887-120	12000mL	100B STM1400	2 x 1000W	115V	1	\$1690.23
LG-8887-122	22000mL	100B STM1500	3 x 1000W	115V	1	\$2036.68

## MANTLE SUPPORTS

### Heating Mantle Basket Style Extension Supports



Designed for use with LG-8800 and LG-8801 mantles, this table-top steel support holds spherical and hemispherical Series O mantles up to 5 liter capacity. The steel support, with its fabric strap basket, is strong, handy, and durable. Attaches easily to stable ring stands or distillation racks.

CATALOG NO.	FITS FLASK SIZE	MFG. NO.	QUANTITY / PACK	PRICE
LG-8905-104	500mL	0-530	1	\$89.18
LG-8905-106	1000mL	0-535	1	\$96.35

## MANTLE SUPPORTS

### Heating Mantle Extension Supports



Designed for use with LG-8825 heating mantles, these steel extension rings have a 6" shank for attachment to a stable ring stand or distillation rack. They support mantles with a hemispherical aluminum housing up to and including 5000mL flask capacities.

CATALOG NO.	FITS FLASK SIZE	MFG. NO.	QUANTITY / PACK	PRICE
LG-8920-100	300mL	M-532	1	\$89.18
LG-8920-102	500mL	M-534	1	\$93.28
LG-8920-104	1000mL	M-535	1	\$96.35
LG-8920-110	5000mL	M-550	1	\$101.48



## Heating Mantle Tripod Supports



Designed for use with LG-8825 heating mantles, these tripod supports work with hemispherical housed heating mantles. They hold flasks 3L and larger and consist of a ring and three legs which are bolted to the ring. Minimal assembly required (3 bolts).

CATALOG NO.	FITS FLASK SIZE	MFG. NO.	QUANTITY / PACK	PRICE
LG-8940-104	12000mL	M-515	1	\$156.83
LG-8940-106	22000mL	M-520	1	\$210.13

## HEMISPHERICAL MANTLES

### Hemispherical Heating Mantles



Made of soft, all glass fabric that supports the bottom half of a flask, these hemispherical heating mantles allow for full view of the contents of single or multi-neck flasks. Include a separable 4' long, 2-wire cord and locking connector.

CATALOG NO.	FITS FLASK SIZE	GLAS-COL NUMBER	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8800-100	50mL	100A O394	60W	115V	1	\$162.98
LG-8800-102	100mL	100A O396	80W	115V	1	\$180.40
LG-8800-104	125mL	100A O398	80W	115V	1	\$181.43
LG-8800-106	200mL	100A O400	100W	115V	1	\$184.50
LG-8800-108	250mL	100A O402	180W	115V	1	\$199.88
LG-8800-110	300mL	100A O404	180W	115V	1	\$199.88
LG-8800-112	500mL	100A O406	270W	115V	1	\$335.18
LG-8800-114	1000mL	100A O408	380W	115V	1	\$251.13
LG-8800-116	2000mL	100A O410	500W	115V	1	\$274.70
LG-8800-118	3000mL	100A O412	500W	115V	1	\$304.43
LG-8800-120	5000mL	100A O414	600W	115V	1	\$371.05
LG-8800-122	12000mL	100A O416	2 x 650W	115V	1	\$753.38



## Hemispherical Micro Heating Mantles



These micro heating mantles are made of soft, all glass fabric and support the bottom half of glass flasks. Mantles allow for full view of the contents of single or multi-neck flasks. Include a separable 3' long, 2-wire cord and locking connector.

CATALOG NO.	FITS FLASK SIZE	GLAS-COL NUMBER	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
ML-1540-700	5mL	100A MIC5	12W	30V max	1	\$156.83
ML-1540-702	10mL	100A MIC10	20W	30V max	1	\$156.83
ML-1540-706	25mL	100A MIC25	30W	60V max	1	\$170.15
ML-1540-708	35mL	100A MIC35	35W	60V max	1	\$170.15

## Pear Shaped Micro Heating Mantles



These pear shaped micro heating mantles are all glass fabric construction and must be used with a voltage regulator (LG-8965-100). Heating circuits have two short lead-in wires connected to 2-wire cord and plug.

CATALOG NO.	FITS FLASK SIZE	MODEL	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
ML-1560-700	5mL	MIC-P-5	12W	30V max	1	\$171.18
ML-1560-702	10mL	MIC-P-10	15W	30V max	1	\$171.18
ML-1560-706	25mL	MIC-P-25	25W	60V max	1	\$192.70
ML-1560-710	50mL	MIC-P-50	35W	60V max	1	\$209.10
ML-1560-714	100mL	MIC-P-100	70W	115V max	1	\$215.25
ML-1560-716	150mL	MIC-P-150	90W	115V max	1	\$217.30
ML-1560-720	250mL	MIC-P-250	135W	115V max	1	\$252.15

## TEMPERATURE CONTROLLERS

### Minitrol Temperature Controllers



Regulating apparatus such as heating tapes and mantles that require stepless control, these temperature controllers are manually adjustable. Each position on the preset dial represents a specific cycle time where the operating voltage load ranges from 5.5 to 100%. Since there is no sensing element, the operator has control over operation. Once desired temperature is determined on initial trial, a simple dial setting controls repeat operations. Includes 6', 3-wire SJT cord, fuse and pilot light.

CATALOG NO.	GLAS-COL NUMBER	AMPS	VOLTAGE	QUANTITY / PACK	PRICE
LG-8951-100	104A PL312	12A	120V	1	\$212.18
LG-8951-102	104A PL324	10A	240V	1	\$248.05



## Minitwin Dual Temperature Controller

Regulating apparatus that requires stepless control and handling two separate circuits at one time, this twin temperature controller is manually adjustable. Each position on the preset dial represents a specific cycle time where the operating voltage load ranges from 5.5 to 100%. Since there is no sensing element, the operator has control over operation. Once desired temperature is determined on initial trial, a simple dial setting controls repeat operations. Includes a 6', 3-wire SJT cord, fuse and pilot light.

CATALOG NO.	GLAS-COL NUMBER	AMPS	VOLTAGE	QUANTITY / PACK	PRICE
LG-8952-100	104A PL3122	7.5A	120V	1	\$317.75



## Powrtrol Temperature Controller

The PowrTrol™ is a solid-state, proportional-voltage unit that provides precise manual control of heating mantles, tapes, cords and other resistive loads. The output range is adjustable from 5-100% of rated voltage. Includes lighted on-off power switch, circuit breaker protection, 3-wire load receptacle, and 3-wire line cord with molded plug.

CATALOG NO.	GLAS-COL NUMBER	AMPS	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8954-100	104A PL120	10A	1200W	120V	1	\$212.18



## Powrtwin Temperature Controller

The PowrTwin™ controls two separate circuits independently. Like the PowrTrol™ (LG-8954-100), the PowrTwin™ is a solid-state, proportional-voltage unit that allows precise manual control of laboratory heating equipment such as heating mantles, tapes and cords. It has an output range adjustable from 5-100% of rated voltage. Includes lighted on-off switch, circuit breaker protection, 3-wire load receptacle and 3-wire line cord with molded plug.

CATALOG NO.	GLAS-COL NUMBER	AMPS	WATTAGE	VOLTAGE	QUANTITY / PACK	PRICE
LG-8957-100	104A PL1202	7A	840W per circuit	120V	1	\$338.25

## HEATING BLOCKS

### Quarter System for Hot Plate



Carrier plate can be fitted with four identical or differing aluminum quarters, allowing up to 44 4 mL reaction vessels to be processed at the same time. The aluminum quarters guarantee optimal heat transfer throughout the process with no interference to the magnetic field. This ensures that all the containers are processed at the same temperature and that the contents are uniformly mixed. The different colors used for the various quarters makes them easier to distinguish.

Recommended for use with stainless steel top hot plates, which include LG-MS-H-PRO and LG-MS-H-PRO-COMP

CATALOG NO.	DESCRIPTION	DEPTH	CAPACITY	HOLDS	COLOR	QUANTITY / PACK	PRICE
LG-18900001	135mm Carrier Plate				Blue	1	\$89.19
LG-18900002	Quarter System	19mm	4mL	11 Vials	Red	1	\$68.62
LG-18900003	Quarter System	24mm	20mL	4 Vials	Purple	1	\$58.23
LG-18900004	Quarter System	30mm	30mL	4 Vials	Blue	1	\$55.93
LG-18900005	Quarter System	43mm	40mL	4 Vials	Black	1	\$63.92
LG-18900048	Quarter System	26mm	8mL	6 Vials	Green	1	\$66.30
LG-18900049	Quarter System	32mm	16mL	4 Vials	Golden	1	\$55.93

### Reaction Blocks for Hot Plate



These aluminum reaction blocks guarantee optimal heat transfer throughout the process with no interference to the magnetic field. This ensures that all the containers are processed at the same temperature and that the contents are uniformly mixed. Recommended for use with stainless steel top hot plates, which include LG-MS-H-PRO and LG-MS-H-PRO-COMP.

CATALOG NO.	DESCRIPTION	HOLDS	QUANTITY / PACK	PRICE
LG-18900080	For 50 mL Round Bottom Flask	1 Flask	1	\$140.73
LG-18900081	For 100 mL Round Bottom Flask	1 Flask	1	\$146.65
LG-18900082	For 250 mL Round Bottom Flask	1 Flask	1	\$161.44
LG-18900083	For 500 mL Round Bottom Flask	1 Flask	1	\$158.35