

Heating/Heating mantles



1 Standard heating mantles series KM-G

LabHEAT®-Heating mantles for flasks, round bottom. Flexible glass yarn heating element, outer jacket in glass silk, with diam. 60 mm bottom out-let from 500 ml, max. heating element temperature 450 °C, 1.5 m power supply (earthed) cable with heating-zone switch and RCD (residual current detection), nominal voltage 230 V AC.

SAF Wärmetechnik

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
25	41	65	1	1	9.642 401
50	51	75	1	1	9.642 402
100	64	120	1	1	9.642 403
250	85	180	2	1	9.642 404
500	105	250	2	1	9.642 405
1000	131	450	2	1	9.642 406
2000	166	600	2	1	9.642 407
3000	185	800	2	1	9.642 408
4000	207	900	2*	1	9.642 409
5000	223	1200	2*	1	9.642 410
6000	236	1400	2*	1	9.642 411
10000	279	2000	2*	1	9.642 412
20000	345	2200	2*	1	9.642 413

Heating mantles with other specifications available on request.

*with 4 heating zones available on request



2 Standard heating mantles series KM-GH

LabHEAT®-Heating mantles for flasks, round bottom. Designed identical to series KM-G, but the heating element is made of heat-resistant quartz yarn and permits a maximum temperature up to 900 °C; 1.5 m power supply (earthed) cable with heating-zone switch and RCD (residual current detection); nominal voltage 230 V AC.

SAF Wärmetechnik

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
100	64	200	1	1	9.642 440
250	85	300	2	1	9.642 441
500	105	500	2	1	9.642 442
1000	131	750	2	1	9.642 443
2000	166	1200	2	1	9.642 444
4000	207	1800	2	1	9.642 445
6000	236	2500	2	1	9.642 446

Heating mantles with other specifications available on request.



3 4 Accessories for Standard heating mantles

LabHEAT® - Accessories made of stainless steel (1.4301) for higher stability or to integrate within support wall. The heating mantles are able to be suspended on its four clips.

SAF Wärmetechnik

For mantle	Description	PK	Cat. No.
ml			
100	Tripod	1	9.642 600
250	Tripod	1	9.642 601
500	Tripod	1	9.642 602
1000	Tripod	1	9.642 603
2000	Tripod	1	9.642 604
3000	Tripod	1	9.642 605
4000	Tripod	1	9.642 606
5000	Tripod	1	9.642 607
6000	Tripod	1	9.642 608
10000	Tripod	1	9.642 609
20000	Tripod	1	9.642 610
25	Support ring	1	9.642 620
50	Support ring	1	9.642 621
100	Support ring	1	9.642 622
250	Support ring	1	9.642 623
500	Support ring	1	9.642 624
1000	Support ring	1	9.642 625
2000	Support ring	1	9.642 626
3000	Support ring	1	9.642 627
4000	Support ring	1	9.642 628



1 Metal-cased heating mantles series KM-M, without controller

LabHEAT® - Heating mantles for flasks, round bottom. Flexible glass yarn heating element in plastic coated, chemical-resistant metal housing with built-in power-on and heating zone switch; max. heating element temperature 450 °C; 1.5 m power supply (earthed) cable and RCD (residual current detection); nominal voltage 230 V AC.

SAF Wärmetechnik

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
50	51	55	1	1	9.642 500
100	64	100	1	1	9.642 501
250	85	150	2	1	9.642 502
500	105	200	2	1	9.642 503
1000	131	300	2	1	9.642 504
2000	166	500	2	1	9.642 505
3000	185	600	2	1	9.642 506
4000	207	750	2	1	9.642 507
5000	223	860	2	1	9.642 508
6000	236	1000	2	1	9.642 509
10000	279	1400	2	1	9.642 510
20000	345	2000	2	1	9.642 511

Serial heating units and Heating mantles with other specifications available on request.

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2 Metal-cased heating mantles series KM-ME, with controller

LabHEAT® - Heating mantles for flasks, round bottom. Flexible glass yarn heating element in plastic coated, chemical-resistant metal housing with built-in power-on and heating zone switch, **in addition equipped with a controller** which allows a continuous adjustment of the heater power; max. heating element temperature 450 °C; 1.5 m power supply (earthed) cable and RCD (residual current detection); nominal voltage 230 V AC.

SAF Wärmetechnik

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
50	51	55	1	1	9.642 520
100	64	100	1	1	9.642 521
250	85	150	2	1	9.642 522
500	105	200	2	1	9.642 523
1000	131	300	2	1	9.642 524
2000	166	500	2	1	9.642 525
3000	185	600	2	1	9.642 526
4000	207	750	2	1	9.642 527
5000	223	860	2	1	9.642 528
6000	236	1000	2	1	9.642 529
10000	279	1400	2	1	9.642 530
20000	345	2000	2	1	9.642 531

Heating mantles with other specifications available on request.

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3 Electronic heating mantles, EM series

Polypropylene outer case is resilient and chemically resistant. Highly efficient in heating up to a maximum element temperature of 450 °C. The flexible heating element is suspended in a thermal insulating cartridge to provide maximum heat transfer with minimum risk of flask breakage. Even at full power output, the exterior remains "cool-to-touch" due to good heating element insulation. All heating mantles have support clamp for rods of up to 12 mm diameter, and are double fused, with earth (ground) screen to protect the user from electric shocks. Available as 220-240 V 50/60 Hz models; spare heater cartridges are available on request.

Electrothermal

For flasks	Width	Depth	Height	Power	PK	Cat. No.
ml	mm	mm	mm	W		
100	175	260	127	60	1	9.643 033
250	175	260	127	150	1	9.643 034
500	238	310	145	200	1	9.643 035
1000	238	310	145	300	1	9.643 036
2000	350	400	190	500	1	9.643 037
3000	350	400	190	500	1	9.643 038
5000	350	400	190	800	1	9.643 039

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Heating/Heating mantles

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1

Multi-size Heating Mantles, series KM-MPE for different sized round bottom flasks

LabHEAT®-Heating mantles for flasks, round bottom. Designed and technically identical to series KM-ME, but can be used **for round flasks of three different sizes**, max. heating element temperature 450 °C; 1.5 m power supply (earthed) cable and RCD (residual current detection); nominal voltage 230V AC also equipped with a controller which allows a continuous adjustment of power.

SAF Wärmetechnik

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
50 to 250	51 to 85	160	3	1	9.642 540
250 to 1000	85 to 131	350	3	1	9.642 541
1000 to 3000	131 to 185	700	3	1	9.642 542

Serial Heating Units and Heating Mantles with other specifications available on request.

2

2

Metal-cased heating mantles, series KM-MEB

With corrosion-resistant stainless steel heating bowl to protect against leaking liquid resulting of a broken flask.

SAF Wärmetechnik

- increased working safety in the lab
- plastic-coated, chemically resistant metal housing
- predrilled threaded hole on rear allows to fix the stativ clamp
- 2 heating zones
- with built-in controller allows a continuous adjustment of power outlet
- thermally insulated and earthed
- with built-in heating zone switch and residual current detection (RCD)

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.
ml	mm	W			
250	85	150	2	1	6.310 317
500	105	200	2	1	6.310 318
1000	131	300	2	1	6.310 319
2000	166	500	2	1	6.310 320

3

3

Electronic multi-size heating mantles, spill-proof, EMX series

Solid stainless steel liner, which protects against fluid spills and is easy to clean, with central aperture to accommodate round-bottom and pear-shaped flask and 60° funnels. Polypropylene outer case is resilient and chemically-resistant. Highly efficient in heating up to an element temperature of 450 °C. Even at full power output, the exterior remains "cool-to-touch" due to good heating element insulation. All heating mantles have support clamp for rods of up to 12 mm diameter, and are double fused, with earth (ground) screen to protect the user from electric shocks. Available as 220-240 V 50/60 Hz models; spare heater cartridges are available on request.

Electrothermal

For round bottom flasks, pear-shaped flasks and 60° funnels (Mantle is open at the bottom).

For flasks	Width	Depth	Height	Power	PK	Cat. No.
ml	mm	mm	mm	W		
500 - 1000	238	310	145	240	1	9.643 081
2000 - 5000	350	400	190	600	1	9.643 083

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4

Electronic multi-size heating mantles, V-shaped, EMV series

Solid, with mesh stainless steel liner, which protects against fluid spills, with central aperture to accommodate round-bottom and pear-shaped flask and 60° funnels. Polypropylene outer case is resilient and chemically-resistant. Highly efficient in heating up to a maximum element temperature of 450°C. Even at full power output, the exterior remains "cool-to-touch" due to good heating element insulation. All heating mantles have support clamp for rods of up to 12 mm diameter, and are double fused, with earth (ground) screen to protect the user from electric shocks. Available as 220-240 V 50/60 Hz models; spare heater cartridges are available on request.

Electrothermal

For round bottom flasks, pear-shaped flasks and 60° funnels (Mantle is open at the bottom).

For flasks	For funnel diam.	Dimensions (W x D x H)	Power	PK	Cat. No.
ml	mm	mm	W		
10 to 50	50 to 100	175 x 260 x 127	60	1	9.643 072
100 to 250	75 to 100	175 x 260 x 127	150	1	9.643 073
500 to 1000	100 to 200	238 x 310 x 145	300	1	9.643 074
2000 to 5000 *	200 to 300	350 x 400 x 190	800	1	9.643 075

* With 2 circuits, 1 x 300, 1 x 500 W.

1 Heating mantles Electrothermal® CMUV NEW

Heating mantle has a "V"-shaped design for large, pear-shaped and round-bottom flasks. *Electrothermal*
 The bottom opening allows 60° funnels of various diameters to be accommodated.
 Coiled heating element provides optimal heat transfer. Control heat throughout the mantle using three separate electrical circuits (top, middle, and bottom), each controlled with its own dial switch.

- Cool-to-the-touch design with powder-coated aluminium casing
- Indicator lamps for "power on" and "heat on" operation

Scope of supply: Heating mantle, three sets of integrated support rod clamps, power cords with UK and EU plugs

Specifications

Max. working temperature: 450 °C
 Dimensions (W x D x H): 485 x 485 x 300 mm
 Power supply: 230 V, 50/60 Hz

Type	For flasks ml	PK	Cat. No.
CMUV10/CL	10000	1	6.282 660
CMUV20/CL	20000	1	4.672 211
CMUV22/CL	22000	1	4.011 144



2 Stirring heating mantles LabHEAT® KM-MER series

LabHEAT® - Heating mantles for flasks, round bottom. Designed and technical identical to series KM-ME, but **in addition equipped with a magnetic stirrer**; rotational frequency up to 1600 rpm max. heating element temperature 450 °C, 1.5 m power supply (earthed) cable and RCD (residual current detection); nominal voltage 230 V AC. *SAF Wärmetechnik*

Capacity ml	Flask diam. mm	Rating W	Heating zones	PK	Cat. No.
100	64	100	1	1	9.642 545
250	85	150	2	1	9.642 546
500	105	200	2	1	9.642 547
1000	131	300	2	1	9.642 548

Serial heating units and Heating mantles with other specifications available on request.



3 Electronic stirrer mantles, EMA series

Built-in adjustable heater control up to an element temperature of 450 °C and magnetic stirring control up to approx. 520 rpm with auto-reverse facility and automatic stirrer bar trap; the stirrer unit has an independent power supply. Polypropylene outer case is resilient and chemically-resistant. Even at full power output, the exterior remains "cool-to-touch" due to good heating element insulation. All heating mantles have support clamp for rods of up to 12 mm diameter, and are double fused, with earth (ground) screen to protect the user from electric shocks. Available as 220-240 V 50/60 Hz models; spare heater cartridges are available on request. *Electrothermal*

For flasks ml	Width mm	Depth mm	Height mm	Power W	PK	Cat. No.
50	175	260	133	80	1	9.643 122
100	175	260	133	80	1	9.643 123
250	175	260	133	170	1	9.643 124
500	238	310	157	220	1	9.643 125
1000	238	310	157	320	1	9.643 126
2000	350	400	197	520	1	9.643 127



4 Support clamp KM-SK

LabHEAT®-Accessories for metal-cased heating mantles and serial heating unit to fix support rods up to diameter 12 mm or to integrate the metal-cased heating mantles within support wall. *SAF Wärmetechnik*

Type	PK	Cat. No.
KM-SK	1	9.642 630

