

Колбонагреватели регулируемые, нерегулируемые, большого объема НМ-200, НМ-100, МНМ-200-MV, МНМ-100

Технические характеристики

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Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

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эл.почта: cen@nt-rt.ru || сайт: <http://coleparmer.nt-rt.ru/>



Cole-Parmer® HM-200 V-Shaped and Spill Proof Electromantles

- Bottom opening accommodates round bottom and pear-shaped flasks and 60° funnels of various diameters
- Capacity between 10mL to 5L
- Coiled heating element, suspended within a thermal insulating cartridge, provides maximum heat transfer and support
- “Cool-to-touch” outer casing
- Maximum element temperature 450°C
- Chemically resistant polypropylene outer casing
- Bracket for 1.3cm support rods (not included)



HM-200-V
Electromantle



HM-200-SP
Electromantle

Technical Specification

Specification	HM-200-V-50	HM-200-V-250	HM-200-V-1000, HM-200-SP-1000	HM-200-V-5000, HM-200-SP-5000
Flask capacity	10 - 50mL	100 - 250mL	500 - 1000mL	2000 - 5000mL
Funnel Sizes	50 - 75mm	75 - 100mm	100 - 200mm	200 - 300mm
Max element temperature	450°C	450°C	450°C	450°C
Dimensions (d x w x h), mm	260 x 175 x 127mm	260 x 175 x 127mm	310 x 238 x 145mm	400 x 350 x 190mm
Shipping weight, kg	0.78kg	0.78kg	2.76kg	5.96kg

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
10 to 50mL, 230V 50 / 60Hz, 60w UK and EU plug	36104-05	HM-200	HM-200-V-50	EMV0050/CE
10 to 50mL, 115V 50 / 60Hz, 75w	36104-00	HM-200	HM-200-V-50-115	EMV0050/CEX1
100 to 250mL, 230V 50 / 60Hz, 150w UK and EU plug	36104-15	HM-200	HM-200-V-250	EMV0250/CE
100 to 250mL, 115V 50 / 60Hz, 150w	36104-10	HM-200	HM-200-V-250-115	EMV0250/CEX1
500 to 1000mL, 230V 50 / 60Hz, 300w UK and EU plug	36104-25	HM-200	HM-200-V-1000	EMV1000/CE
500 to 1000mL, 115V 50 / 60Hz, 300w	36104-20	HM-200	HM-200-V-1000-115	EMV1000/CEX1
2000 to 5000mL, 230V 50 / 60Hz, 800w UK and EU plug	36104-35	HM-200	HM-200-V-5000	EMV5000/CE
2000 to 5000mL, 115V 50 / 60Hz, 800w	36104-30	HM-200	HM-200-V-5000-115	EMV5000/CEX1

500 to 1000mL, 230v 50/ 60Hz, 240w UK and EU plug	36101-05	HM-200	HM-200-SP-1000	EMX1000/SCE
500 to 1000mL, 115v 50/ 60Hz, 240w	36101-00	HM-200	HM-200-SP-1000-115	EMX1000/SCEX1
2000 to 5000mL, 230v 50/ 60Hz, 600w UK and EU plug	36101-15	HM-200	HM-200-SP-5000	EMX5000/SCE
2000 to 5000mL, 115v 50/ 60Hz, 600w	36101-10	HM-200	HM-200-SP-5000-115	EMX5000/SCEX1

Cole-Parmer® HM-200 V-Shaped and Spill Proof Electromantles

The Cole-Parmer® HM-200-SP spill-proof Electromantles and HM-200 V-shaped Electromantles may accommodate 60° funnels, pear-shaped or round bottom flasks. They have been designed to accept a large range of flasks and funnel sizes for added flexibility.

The Cole-Parmer® stainless steel screen on all HM-200-V models covers the heater element to protect you from shock hazards due to spills or flask breakage. The HM-200-SP models feature a stainless steel liner over the heating element to provide additional electrical and mechanical protection against spills and ensures easier cleaning.



HM-200-V Electromantle



HM-200-SP Electromantle

Cole-Parmer® Large Volume Electromantles HM-200

- Bottom opening accommodates 60° funnels of various diameters
- Also accepts large capacity round bottom and pear-shaped flasks
- Large capacity between 10 litres to 22 litres
- Control of heating is provided by 3 separate electrical circuits/ independent top, middle and bottom heating of flasks, each controlled with its own dial switch
- Coiled heating element, suspended within a thermal insulating cartridge, provides maximum heat transfer and support
- Maximum element temperature 450°C
- “Cool-to-touch” outer casing
- Non-skid feet and 3 support rod brackets (does not include support rods)



Large Volume Electromantles HM-200

Technical Specification

Specification	MHM-200-10L, MHM-200-12L	MHM-200-20L, MHM-200-22L
No. of circuits	3 (Top, Middle & Bottom)	3 (Top, Middle & Bottom)
Flask capacity	250 - 1000ml	250 - 1000ml
Max element temperature	450°C	450°C
Dimensions (d x w x h), mm	485 x 485 x 300	485 x 485 x 300
Shipping weight, kg	6	8.5

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Heating Mantle, 10L 230V, 50 60Hz, 2350W	36013-16	HM-200	MHM-200-10L	CMUV10CL
Heating Mantle, 10L 115V, 50 60Hz, 2350W	36013-17	HM-200	MHM-200-10L-115	CMUV10CLX1
Heating Mantle, 12L 230V, 50 60Hz, 2350W	36013-18	HM-200	MHM-200-12L	CMUV12CL
Heating Mantle, 12L 115V, 50 60Hz, 2350W	36013-19	HM-200	MHM-200-12L-115	CMUV12CLX1
Heating Mantle, 20L 230V, 50 60Hz, 3600W	36013-20	HM-200	MHM-200-20L	CMUV20CL
Heating Mantle, 20L 115V, 50 60Hz, 3600W	36013-21	HM-200	MHM-200-20L-115	CMUV20CLX1
Heating Mantle, 22L 230V, 50 60Hz, 3600W	36013-22	HM-200	MHM-200-22L	CMUV22CL
Heating Mantle, 22L 115V, 50 60Hz, 3600W	36013-23	HM-200	MHM-200-22L-115	CMUV22CLX1

Cole-Parmer® Large Volume Electromantles HM-200

The Cole-Parmer® The Large Volume HM-200 Electromantles deliver the benefits of the HM-200 Electromantle, but do so for very large 60° funnels, as well as pear-shaped and round bottom flasks. This is achieved through a “V-shaped” design for the heating mantle, with funnels being accommodated through a bottom opening in the Electromantle base.

HM-200 Electromantles have built-in controls, heating control is provided by a built-in solid state Simmerstat energy regulator.



Large Volume Electromantles HM-200

Cole-Parmer® Multiple Volume Electromantles HM-200

- Multiple volume round bottom flask capacity of between 250ml to 1000ml
- Element temperatures up to 450°C
- “Cool-to-touch” outer casing
- Built-in energy regulator
- Replaceable insulated heater cartridge
- Flexible coiled heating elements absorb shock, minimising the risk of flask breakage
- Heating element is attached to a rigid thermal insulating cartridge to ensure maximum heat transfer and support
- Added safety features such as a grounded earth stainless steel screen covering the heating element and double fuses



Multiple Volume Electromantles HM-200

Technical Specification

Specification	HM-200
Case material	Powder coated aluminum
Flask capacity	250 - 1000ml
Max element temperature	450°C
Dimensions (d x w x h), mm	220 x 220 x 170
Shipping weight, kg	1.5

Cole-Parmer® Multiple Volume Electromantles HM-200

The Cole-Parmer® HM-200 is a multiple volume Electromantle, able to accommodate round bottom flasks of between 250ml to 1000ml capacity. The Cole-Parmer® HM-200 metal-cased Electromantles are used in chemistry to heat liquids in round bottom flasks. They are ideal for busy laboratories with multiple users as they are very safe to use, the metal case being designed to remain cool when in operation. Additionally, they have a stainless steel grounded earth screen covering the element and are double-fused for added safety. In the event of any liquid spillage, the heating mantles automatically cut out to protect the user from electric shocks.

The HM-200 Electromantle is used in wet chemistry to heat liquids in round bottom flasks. Its metal case is designed to remain “cool-to-the-touch” when in operation. For added safety, it has a grounded stainless steel earth screen covering the element and is double fused.

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Heating Mantle, 250 mL to 1 L; 230 VAC	36013-14	HM-200	MHM-200-MV	CMUT1000/CE
Heating Mantle, 250 mL to 1 L; 115 VAC	36013-15	HM-200	MHM-200-MV-115	CMUT1000/CEX1



Multiple Volume Electromantles HM-200



Cole-Parmer[®] Uncontrolled Electromantles HM-100

- Round bottom flask capacities of between 100ml to 1000ml
- “Cool-to-touch” outer casing
- Element temperatures up to 450°C
- Indicator lamps for power and heater operation
- Replaceable insulated heater cartridge
- Rugged, easy to clean powder coated aluminium casing
- Flexible coiled heating elements absorb shock, minimising the risk of flask breakage
- Heating element is attached to a rigid thermal insulating cartridge to ensure maximum heat transfer and support
- Safety features such as grounded earth stainless steel screen covering the heating element and double fuses



Uncontrolled Electromantles HM-100

Technical Specification

Specification	MHM-100-100, MHM-100-250-115	MHM-100-500, MHM-100-500-115	MHM-100-1000, MHM-100-1000-115
Flask capacity	100 - 250ml	500ml	1000ml
Case material	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum
Max element temperature	450°C	450°C	450°C
Dimensions (d x w x h), mm	175 x 175 x 150	220 x 220 x 170	320 x 320 x 220
Shipping weight, kg	0.75	1.5	2.75

Cole-Parmer® Uncontrolled Electromantles HM-100

The Cole-Parmer® HM-100 heating mantles are used in wet chemistry to heat liquids in round bottom flasks. The metal case is designed to remain “cool-to-the-touch” when in operation. Cole-Parmer® heating mantles have a grounded stainless steel earth screen covering the element and are double fused for added safety.

Ordering Information

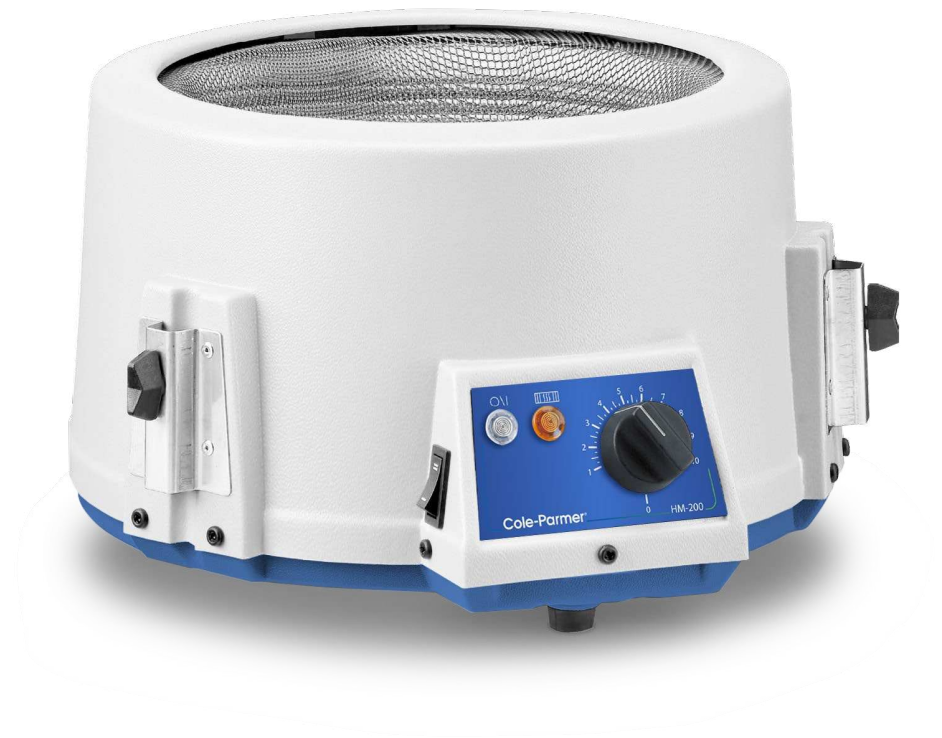
Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Uncontrolled Heating Mantle, 100 mL Capacity; 230 VAC	36003-06	HM-100	MHM-100-100	CMU0100/E
Uncontrolled Heating Mantle, 100 mL Capacity; 115 VAC	36003-04	HM-100	MHM-100-100-115	CMU0100/EX1
Uncontrolled Heating Mantle, 250 mL Capacity; 230 VAC	36103-05	HM-100	MHM-100-250	CMU0250/E
Uncontrolled Heating Mantle, 250 mL Capacity; 115 VAC	36103-04	HM-100	MHM-100-250-115	CMU0250/EX1
Uncontrolled Heating Mantle, 500 mL Capacity; 230 V	36003-14	HM-100	MHM-100-500	CMU0500/E
Uncontrolled Heating Mantle, 500 mL Capacity; 115 VAC	36003-12	HM-100	MHM-100-500-115	CMU0500/EX1
Uncontrolled Heating Mantle, 1000 mL Capacity; 230 VAC	36003-18	HM-100	MHM-100-1000	CMU1000/E
Uncontrolled Heating Mantle, 1000 mL Capacity; 115 VAC	36003-16	HM-100	MHM-100-1000-115	CMU1000/EX1



Uncontrolled Electromantles HM-100

Cole-Parmer® HM-200 Electromantles

- Chemically resistant polypropylene outer casing
- Use with round bottom flasks from 50mL to 5L
- Unique ventilation system which allows outer casing to remain safe to touch
- Maximum element temperature 450°C
- Model HM-200-5000 has 2 circuits for upper and lower level heating
- A grounded earth screen and double fuses for extra safety
- Supplied with bracket for 1.3cm diameter support rods (but not including support rods)



Technical Specification

Specification	HM-200-50, HM-200-100, HM-200-250	HM-200-500, HM-200-1000	HM-200-2000, HM-200-3000, HM-200-5000
Flask capacity	50 - 250mL	500- 1000mL	2000- 5000mL
Material	Polypropylene outer case	Polypropylene outer case	Polypropylene outer case
Max element temperature	450°C	450°C	450°C
Dimensions (d x w x h), mm	260 x 175 x 127	310 x 238 x 145	400 x 350 x 190
Shipping weight, kg	0.78	1.25	2.58

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
50mL, 230v 50 60Hz, 60w UK and EU plug	36002-02	HM-200	HM-200-50	EM0050/CE
50mL, 115v 50 60Hz, 70w	36002-00	HM-200	HM-200-50-115	EM0050/CEX1
100mL, 230v 50 60Hz, 60w UK and EU plug	36002-06	HM-200	HM-200-100	EM0100/CE
100mL, 115v 50 60Hz, 70w	36002-04	HM-200	HM-200-100-115	EM0100/CEX1
250mL, 230v 50 60Hz, 150w UK and EU plug	36002-10	HM-200	HM-200-250	EM0250/CE
250mL, 115v 50 60Hz, 150w	36002-08	HM-200	HM-200-250-115	EM0250/CEX1
500mL, 230v 50 60Hz, 200w UK and EU plug	36002-14	HM-200	HM-200-500	EM0500/CE
500mL, 115v 50 60Hz, 200w	36002-12	HM-200	HM-200-500-115	EM0500/CEX1
1000mL, 230v 50 60Hz, 300w UK and EU plug	36002-18	HM-200	HM-200-1000	EM1000/CE
1000mL, 115v 50 60Hz, 300w	36002-16	HM-200	HM-200-1000-115	EM1000/CEX1
2000mL, 230v 50 60Hz, 500w UK and EU plug	36002-22	HM-200	HM-200-2000	EM2000/CE
2000mL, 115v 50 60Hz, 500w	36002-20	HM-200	HM-200-2000-115	EM2000/CEX1
3000mL, 230v 50 60Hz, 500w UK and EU plug	36002-26	HM-200	HM-200-3000	EM3000/CE
3000mL, 115v 50 60Hz, 500w	36002-24	HM-200	HM-200-3000-115	EM3000/CEX1
5000mL, 230v 50 60Hz, 800w UK and EU plug	36002-30	HM-200	HM-200-5000	EM5000/CE
5000mL, 115v 50 60Hz, 800w	36002-28	HM-200	HM-200-5000-115	EM5000/CEX1

Cole-Parmer® - HM-200 Electromantles

The Cole-Parmer® HM-200 series Electromantles are manufactured to the highest quality in our UK manufacturing facility. Each mantle is made with extreme care and is hand sewn to assure its reliability, quality and safety. Maximum heat transfer to the sample is achieved by having excellent insulation around the cartridge and good flask coverage. All Electrothermal mantles go through the ‘burn off’ procedure at the end of the manufacturing process enabling use straight out of the box.

Designed with flexibility and ease of use in mind, the HM-200 series heating mantle is a reliable workhorse for your heating applications in the laboratory. All HM-200 Electromantles have a built-in energy regulator with indicator lamps for power and heater operation. All mantles have support rod clamps as an integral feature and incorporate a grounded earth screen and double fuses for added safety. Larger capacity products have multiple heating elements, enabling a more even and directed transfer of heat.



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Cole-Parmer[®] Controlled Electromantles HM-200

- Round bottom flask capacity of between 50ml - 1000ml
- Element temperatures up to 450°C
- Built-in energy regulator
- Indicator lamps for power and heater operation
- Replaceable insulated heater cartridge
- An easy to clean powder coated aluminium outer casing
- “Cool-to-the-touch” exterior
- Non-skid feet and support rod bracket (not including the support rods)
- Safety features, grounded earth screen and double fuses
- Uncontrolled versions are also available



Controlled Electromantles HM-200

Technical Specification

Specification	MHM-200-100, MHM-200-250	MHM-200-500, MHM-200-1000
Flask capacity	50 - 250ml	500 - 1000ml
Case material	Powder coated aluminum	Powder coated aluminum
Max element temperature	450°C	450°C
Dimensions (d x w x h), mm	175 x 175 x 150	220 x 220 x 170
Shipping weight, kg	0.75	1.5

Cole-Parmer® Controlled Electromantles HM-200

The Cole-Parmer® HM-200 metal-cased Electromantles are used in chemistry to heat liquids in round bottom flasks. They are ideal for busy laboratories with multiple users as they are very safe to use, the metal case being designed to remain cool when in operation. Additionally, they have a stainless steel grounded earth screen covering the element and are double-fused for added safety. In the event of any liquid spillage, the heating mantles automatically cut out to protect the user from electric shocks.

Cole-Parmer® Heating Mantles are manufactured to the highest quality in our UK manufacturing facility. Each mantle is made with extreme care and is hand sewn to assure its reliability, quality and safety. Maximum heat transfer to the sample is achieved by having excellent insulation around the cartridge and good flask coverage. All Cole-Parmer® mantles go through the 'burn off' procedure at the end of the manufacturing process enabling use straight out of the box.

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Controlled Heating Mantle, 100 mL 230V, 50 60Hz, 120W UK and EU plug	03012-23	HM-200	MHM-200-100	CMU0100/CE
Controlled Heating Mantle, 100 mL 120V, 50 60Hz, 120W	03012-21	HM-200	MHM-200-100-115	CMU0100/CEX1
Controlled Heating Mantle, 250 mL 220V, 50 60Hz, 230W UK and EU plug	03012-33	HM-200	MHM-200-250	CMU0250/CE
Controlled Heating Mantle, 250 mL 120V, 50 60Hz, 230W	03012-31	HM-200	MHM-200-250-115	CMU0250/CEX1
Controlled Heating Mantle, 500 mL 230V, 50 60Hz, 330W UK and EU plug	03012-43	HM-200	MHM-200-500	CMU0500/CE
Controlled Heating Mantle, 500 mL 120V, 50 60Hz, 330W	03012-41	HM-200	MHM-200-500-115	CMU0500/CEX1
Controlled Heating Mantle, 1000 mL 230V, 50 60Hz 440W, UK and EU plug	03012-53	HM-200	MHM-200-1000	CMU1000/CE
Controlled Heating Mantle, 1000 mL 120V, 50 60Hz 440W	03012-51	HM-200	MHM-200-1000-115	CMU1000/CEX1



Controlled Electromantles HM-200