

Лабораторные колбонагреватели с магнитной мешалкой SHM-200, SHM-200-50, MSHM-200

Технические характеристики

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Cole-Parmer® Electromantles for heating and stirring SHM-200

- Round bottom flask capacities of between 100ml to 5000ml
- “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



Heating & Stirring Electromantles SHM-200

Technical Specification

Specification	MSHM-200-100 MSHM-200-250	MSHM-200-500 MSHM-200-1000	MSHM-200-5000
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

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
Heating/Stirring Mantle, 230V, 50 60Hz, 120W, With UK and EU plugs	36013-00	SHM-200	MSHM-200-100	CMUA0100/CE
Heating/Stirring Mantle, 115V, 50 60Hz, 120W	36013-01	SHM-200	MSHM-200-100-115	CMUA0100/CEX1
Heating/Stirring Mantle, 230V, 50 60Hz, 230W, With UK and EU plugs	36013-02	SHM-200	MSHM-200-250	CMUA0250/CE
Heating/Stirring Mantle, 115V, 50 60Hz, 230W	36013-03	SHM-200	MSHM-200-250-115	CMUA0250/CEX1
Heating/Stirring Mantle, 230V, 50 60Hz, 330W, With UK and EU plugs	36013-04	SHM-200	MSHM-200-500	CMUA0500/CE
Heating/Stirring Mantle, 115V, 50 60Hz, 330W	36013-05	SHM-200	MSHM-200-500-115	CMUA0500/CEX1
Heating/Stirring Mantle, 230V, 50 60Hz, 440W, With UK and EU plugs	36013-06	SHM-200	MSHM-200-1000	CMUA1000/CE
Heating/Stirring Mantle, 115V, 50 60Hz, 440W	36013-07	SHM-200	MSHM-200-1000-115	CMUA1000/CEX1
Heating/Stirring Mantle, 230V, 50 60Hz, 880W, With UK and EU plugs	36013-12	SHM-200	MSHM-200-5000	CMUA5000/CE
Heating/Stirring Mantle, 115V, 50 60Hz, 880W	36013-13	SHM-200	MSHM-200-5000-115	CMUA5000/CEX1

Cole-Parmer® Electromantles for heating and stirring SHM-200

The Cole-Parmer® SHM-200 Electromantles share all the excellent features of the HM-200 Electromantle, but with the added functionality of magnetic stirring. For convenience and safety, the electric circuitry for stirring is built into the base of the heater, enabling powerful stirring over a wide range of solution volumes and viscosities using a magnetic stir bar.

Magnetic stirring

Stirring operation is simply achieved by placing the correct style and sized magnetic stir bar into the flask, selecting the minimum speed on the stirring dial control and then ramping up slowly to the required speed. The correct style and size of stir bar is determined according to the flask volume and the viscosity of its contents.

Stir speed is bi-directional and easily adjustable, and as an added feature, there is an auto-recapture switch fitted. Occasionally, the magnetic coupling to the stir bar may be interrupted and the stirring motion may be temporarily lost. Should there be a need to re-activate stirring, this can be quickly remedied by reducing the stir speed and then activating the auto-recapture switch; normal stirring can then be resumed at the desired speed.



Heating & Stirring Electromantles SHM-200

Cole-Parmer® SHM-200 Heating and Stirring Electromantles

- Accepts round bottom flasks from 50ml to 2 litres capacity
- Bi-directional stirring speeds up to 520rpm
- Stir bar “auto-recapture” function
- “Cool-to-touch” design
- Maximum element temperature 450°C
- Built-in energy regulator
- Replaceable insulated heater cartridge
- A chemically resistant polypropylene outer casing
- Bracket for 1.3cm support rods (but not including the support rods)



Technical Specification

Specification	SHM-200-50, SHM-200-100, SHM-200-250	SHM-200-500, SHM-200-1000	SHM-200-2000
Flask capacity	50 - 250ml	500 - 1000ml	2000ml
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 133	310 x 238 x 157	400 x 350 x 197
Shipping weight, kg	1.73	2.75	5.68

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
50ml, 230v 50 / 60Hz, 80w UK and EU plug	04641-05	SHM-200	SHM-200-50	EMA0050/CEB
50ml, 115v 50 / 60Hz, 96w	04641-00	SHM-200	SHM-200-50-115	EMA0050/CEBX1
100ml, 230v 50 / 60Hz, 80w UK and EU plug	04641-15	SHM-200	SHM-200-100	EMA0100/CEB
100ml, 115v 50 / 60Hz, 96w	04641-10	SHM-200	SHM-200-100-115	EMA0100/CEBX1
250ml, 230v 50 / 60Hz, 170w UK and EU plug	04641-25	SHM-200	SHM-200-250	EMA0250/CEB
250ml, 115v 50 / 60Hz, 210w	04641-20	SHM-200	SHM-200-250-115	EMA0250/CEBX1
500ml, 230v 50 / 60Hz, 220w UK and EU plug	04641-35	SHM-200	SHM-200-500	EMA0500/CEB
500ml, 115v 50 / 60Hz, 270w	04641-30	SHM-200	SHM-200-500-115	EMA0500/CEBX1
1000ml, 230v 50 / 60Hz, 320w UK and EU plug	04641-45	SHM-200	SHM-200-1000	EMA1000/CEB
1000ml, 115v 50 / 60Hz, 400w	04641-40	SHM-200	SHM-200-1000-115	EMA1000/CEBX1
2000ml, 230v 50 / 60Hz, 520w UK and EU plug	04641-55	SHM-200	SHM-200-2000	EMA2000/CEB
2000ml, 115v 50 / 60Hz, 595w	04641-50	SHM-200	SHM-200-2000-115	EMA2000/CEBX1

Cole-Parmer® SHM Series Heating & Stirring Electromantles - SHM-200

The Cole-Parmer® SHM-200 Electromantle shares all the features of the standard HM-200 Electromantle, but has the added functionality of magnetic stirring. The solid state stirring circuitry is built into the base of the main housing and provides powerful stirring over a range of capacities and viscosities. The stir bar is seldom lost due to our “auto-recapture” function.

Magnetic Stirring

The SHM-200 Electromantle has the added functionality of stirring which widens the range of applications. Stirring operation is simply achieved by placing the correct size stir bar into the flask, turning the stir control to the minimum speed and ramping up slowly. If the magnetic coupling to the stir bar is lost for any reason, the stir speed control should be reduced slightly and the auto-recapture switch can be activated.



Cole-Parmer® SHM-200 Heating and Stirring Electromantles

- Accepts round bottom flasks from 50ml to 2 litres capacity
- Bi-directional stirring speeds up to 520rpm
- Stir bar “auto-recapture” function
- “Cool-to-touch” design
- Maximum element temperature 450°C
- Built-in energy regulator
- Replaceable insulated heater cartridge
- A chemically resistant polypropylene outer casing
- Bracket for 1.3cm support rods (but not including the support rods)



Technical Specification

Specification	SHM-200-50, SHM-200-100, SHM-200-250	SHM-200-500, SHM-200-1000	SHM-200-2000
Flask capacity	50 - 250ml	500 - 1000ml	2000ml
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 133	310 x 238 x 157	400 x 350 x 197
Shipping weight, kg	1.73	2.75	5.68

Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
50ml, 230v 50 / 60Hz, 80w UK and EU plug	04641-05	SHM-200	SHM-200-50	EMA0050/CEB
50ml, 115v 50 / 60Hz, 96w	04641-00	SHM-200	SHM-200-50-115	EMA0050/CEBX1
100ml, 230v 50 / 60Hz, 80w UK and EU plug	04641-15	SHM-200	SHM-200-100	EMA0100/CEB
100ml, 115v 50 / 60Hz, 96w	04641-10	SHM-200	SHM-200-100-115	EMA0100/CEBX1
250ml, 230v 50 / 60Hz, 170w UK and EU plug	04641-25	SHM-200	SHM-200-250	EMA0250/CEB
250ml, 115v 50 / 60Hz, 210w	04641-20	SHM-200	SHM-200-250-115	EMA0250/CEBX1
500ml, 230v 50 / 60Hz, 220w UK and EU plug	04641-35	SHM-200	SHM-200-500	EMA0500/CEB
500ml, 115v 50 / 60Hz, 270w	04641-30	SHM-200	SHM-200-500-115	EMA0500/CEBX1
1000ml, 230v 50 / 60Hz, 320w UK and EU plug	04641-45	SHM-200	SHM-200-1000	EMA1000/CEB
1000ml, 115v 50 / 60Hz, 400w	04641-40	SHM-200	SHM-200-1000-115	EMA1000/CEBX1
2000ml, 230v 50 / 60Hz, 520w UK and EU plug	04641-55	SHM-200	SHM-200-2000	EMA2000/CEB
2000ml, 115v 50 / 60Hz, 595w	04641-50	SHM-200	SHM-200-2000-115	EMA2000/CEBX1

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