

Cole-Parmer®

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

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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.



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.