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CMU Controlled Electromantles

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CMU 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-to-the-touch" 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.

Key features

- Round bottom flask capacity of between 50ml - 5000ml
- 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 clamps (but not including the support rods)
- Added safety features such as a gatorrounded earth screen and double fuses
- Uncontrolled versions are also available (recommended controller, MC5)

Warranty: One year parts and labour
 Certifications: CE; CSA for 115V models

Technical Specification

CMU model	CMU0050, CMU0100, CMU0250	CMU0500, CMU1000	CMU2000, CMU3000, CMU5000
Flask capacity	50 - 250ml	500 - 1000ml	2000 - 5000ml
Case material	Powder-coated aluminium	Powder-coated aluminium	Powder-coated aluminium
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

Model	Capacity	Electrical Requirements
CMU0050/CE	50ml	230v 50/ 60Hz, 75w UK and EU plug
CMU0050/CEX1	50ml	230v 50/ 60Hz, 75w
CMU0100/CE	100ml	230v50/ 60Hz, 100w UK and EU plug
CMU0100/CEX1	100ml	115v 50/ 60Hz, 100w
CMU0250/CE	250ml	230v 50/ 60Hz, 200w UK and EU plug
CMU0250/CEX1	250ml	115v 50/ 60Hz, 200w
CMU0500/CE	500ml	230v 50/ 60Hz, 280w UK and EU plug
CMU0500/CEX1	500ml	115v 50/ 60Hz, 280w
CMU1000/CE	1000ml	230v 50/ 60Hz 380w, UK and EU plug
CMU1000/CEX1	1000ml	115v 50/ 60Hz, 380w
CMU2000/CE	2000ml	230v 50/ 60Hz, 500w UK and EU plug
CMU2000/CEX1	2000ml	115v 50/ 60Hz, 500w
CMU3000/CE	3000ml	230v 50/ 60Hz, 500w UK and EU plug
CMU3000/CEX1	3000ml	115v 50/ 60Hz, 500w
CMU5000/CE	5000ml	230v 50/ 60Hz, 800w UK and EU plug
CMU5000/CEX1	5000ml	115v 50/ 60Hz, 800w

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Downloads

- [CMU Electromantles Brochure](#)
- [CMU Electromantle Instructions](#)
- [2nd edition Electrothermal catalogue](#)
- [CMU Catalogue Chapter](#)
- [CSA Certificate of Approval](#)

Further Information

- [Guide to Electromantle Selection](#)
- [CMU in use: Phenyl Grignard Part 1](#)
- [CMU in use: Simple refluxing](#)

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