

Колбонагреватели СМУА

Технические характеристики

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CMUA

Stirring Electromantles

The CMUA Stirring Electromantle shares all the excellent features of the CMU 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

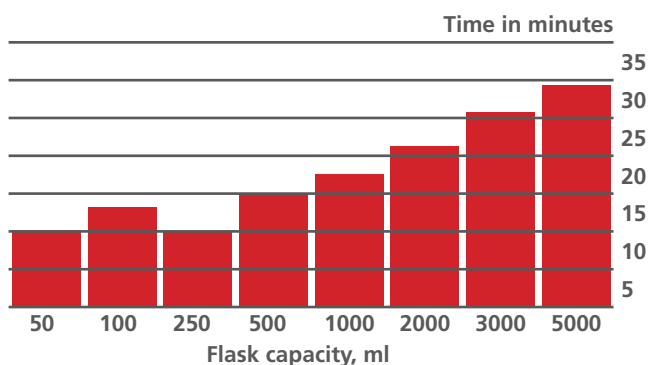
Stirring operation is simply achieved by placing the correct style and sized magnetic stir bar into the flask, selecting the minimum speed on the stirring dial control and then ramping up slowly to the required speed. The correct style and size of stir bar is determined according to the flask volume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

Time required for boiling

The bar graph illustrates the time required for a half filled flask of water to reach boiling point in each of the flask capacities. For all the boiling tests the ambient temperature was 17°C.

Maximum element temp: 450°C
Voltage: 115V or 230V AC
Wattage: Nominal wattage of each flask capacity at rated voltage



Key Features

- Round bottom flask capacity of between 50ml- 5000ml
- Stirring speed up to 2000rpm
- Auto-recapture of magnetic stir bar; simple switch to re-activate stirring
- "Cool-to-the-touch" design
- Element temperature up to 450°C
- Built-in energy regulator
- Indicator lamps for power and heater operation
- Replaceable insulated heater & stirring cartridge
- An easy to clean, powder coated aluminium outer casing
- Non-skid feet and support rod clamps
- Added safety features such as a grounded earth screen and double fuses
- Automatic cut-off if liquid is spilled to protect the user from electric shocks
- CSA approved

CMUA



50ml - 250ml Ordering Information

| | |
|----------------------------|-----------------|
| Dimensions (d x w x h), mm | 175 x 175 x 150 |
| Shipping Weight, kg | 0.75 |

| Model | Capacity | Electrical Requirements |
|----------------|----------|-------------------------|
| CMUA0050/CE | 50ml | 230V 50/60Hz, 60W |
| CMUA0050/CEX1 | 50ml | 115V 50/60Hz, 60W |
| CMUA0050/CEX6* | 50ml | 230V 50/60Hz, 60W |
| CMUA0100/CE | 100ml | 230V 50/60Hz, 75W |
| CMUA0100/CEX1 | 100ml | 115V 50/60Hz, 75W |
| CMUA0100/CEX6* | 100ml | 230V 50/60Hz, 75W |
| CMUA0250/CE | 250ml | 230V 50/60Hz, 200W |
| CMUA0250/CEX1 | 250ml | 115V 50/60Hz, 200W |
| CMUA0250/CEX6* | 250ml | 230V 50/60Hz, 200W |

CMUA

with Glassware

500ml - 1000ml Ordering Information

| | |
|----------------------------|-----------------|
| Dimensions (d x w x h), mm | 220 x 220 x 170 |
| Shipping Weight, kg | 1.5 |

| Model | Capacity | Electrical Requirements |
|----------------|----------|-------------------------|
| CMUA0500/CE | 500ml | 230V 50/60Hz, 280W |
| CMUA0500/CEX1 | 500ml | 115V 50/60Hz, 280W |
| CMUA0500/CEX6* | 500ml | 230V 50/60Hz, 280W |
| CMUA1000/CE | 1000ml | 230V 50/60Hz, 380W |
| CMUA1000/CEX1 | 1000ml | 115V 50/60Hz, 380W |
| CMUA1000/CEX6* | 1000ml | 230V 50/60Hz, 380W |

2000ml - 5000ml Ordering Information

| | |
|----------------------------|-----------------|
| Dimensions (d x w x h), mm | 320 x 320 x 220 |
| Shipping Weight, kg | 2.75 |

| Model | Capacity | Electrical Requirements |
|----------------|----------|-------------------------|
| CMUA2000/CE | 2000ml | 230V 50/60Hz, 500W |
| CMUA2000/CEX1 | 2000ml | 115V 50/60Hz, 500W |
| CMUA2000/CEX6* | 2000ml | 230V 50/60Hz, 500W |
| CMUA3000/CE | 3000ml | 230V 50/60Hz, 500W |
| CMUA3000/CEX1 | 3000ml | 115V 50/60Hz, 500W |
| CMUA3000/CEX6* | 3000ml | 230V 50/60Hz, 500W |
| CMUA5000/CE | 5000ml | 230V 50/60Hz, 800W |
| CMUA5000/CEX1 | 5000ml | 115V 50/60Hz, 800W |
| CMUA5000/CEX6* | 5000ml | 230V 50/60Hz, 800W |

*NOTE: Codes ending with the suffix CEX6 come with EU Plug fitting



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