

Electromantle Guide

The Electrothermal series of heating mantles has been specifically designed to provide a comprehensive answer to heating fluids in round bottom flasks in the modern laboratory. The original "Electromantles" revolutionised round bottom flask heating by incorporating a coiled flexible heating element, which ingeniously wraps the heater around the flask to optimise heat transfer. For maximum safety, the flask is held away from direct contact with the heating element via a grounded earth screen. This design principle has stood the test of time and has been imitated the world over. With many years of experience, Electrothermal remains at the forefront of laboratory heating and its associated controlling technology.

Polypropylene Case



Aluminium Case



Electromantle	EM	EMA	EMV	EMX Spill-proof	CMU Controlled	CMU Uncontrolled	CMUT	CMUA Controlled or Uncontrolled	CMUV	Digi-Mantles
Functions	Heating	Heating & Stirring	Heating (V-shaped for 60° funnels, round bottom & pear-shaped flasks)	Heating (V-shaped for 60° funnels, round bottom & pear-shaped flasks)	Heating	Heating	Heating Multivolume	Heating & Stirring	Heating (V-shaped for 60° funnels, round bottom & pear-shaped flasks)	Heating & Stirring
Flask Size (ml)										
10 - 50			•							
50	•	•			•	•				
100	•	•			•	•		•		
100 - 250			•							
250	•	•			•	•		•		•
500	•	•			•	•		•		•
500 - 1000			•	•			•			
1000	•	•			•	•		•		•
2000	•	•				•		•		
2000 - 5000			•	•						
3000	•					•		•		
5000	•					•		•		
10000									•	
12000									•	
20000									•	
22000									•	
Temperature range	Ambient to 450°C (element temperature)				Ambient to 450°C (element temperature)				Ambient to 450°C (element temperature) 2000rpm	
Max. Stirring Rate	520rpm				2000rpm					



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