





TEMPERATURE CONTROLLED HEATING MANTLES

First Step towards Sustainable Laboratories with Energy Efficient Operations

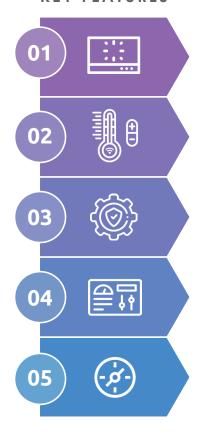




TEMPERATURE CONTROLLED HEATING MANTLES

The GMC Series Heating Mantles are CE Certified for reliable and uniform heating in boiling, distillation, evaporation, and extraction processes. Designed to fit round-bottom flasks perfectly, they ensure safe, consistent performance, ideal for precise thermal applications in modern laboratories.

KEY FEATURES



Advanced LED Display

Clear view of time, temperature, and process status for seamless monitoring.

Precise Temperature

PT 100 external probe with auto-detection and integrated PID controller for high accuracy.

Built-in Safety

Spill detection with auto shutdown and safe temperature limits for secure operation.

User-Friendly Design

Safe, simple and seamless operation with an integrated retort rod holder for compact setups.

Built-in Calibration

Easy setup and built-in calibration ensure long-term accuracy and reliability.

TECHNICAL DATA & ORDERING INFORMATION

Model Name	GMC250	GMC500	GMC010	
Flask Capacity	250 ml	500 ml	1000 ml	
Working Temperature Range	Ambient +5 °C to 350 °C			
Display Resolution	1°C			
Temperature Accuracy	1°C upto 100 °C			
Timer	upto 999 mins or continuous			
Power Requirements	1Å, 150W	1Å, 200W	1.5Å, 300W	
Display	LED Display with Temperature, Time and Process Status			
Top Plate Material	MS			
Body Construction	MS			
Product Dimensions (L × B × H) mm	265 × 330 × 135			
Stage wise Heating Modes	Yes			
External Temperature Probe	PT 100			
CE Certification	YES			
HSN Code	84198990			
Ordering Code	BLFHGMC25000000000	BLFHGMC50000000000	BLFHGMC01000000000	

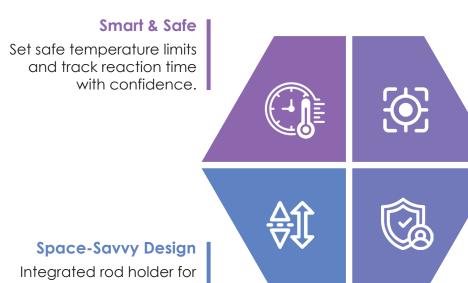
Model Name	HMC020	HMC050	HMC011		
Flask Capacity	2 L	5 L	10 L		
Working Temperature Range	Ambient +5 °C to 350 °C				
Temperature Accuracy	1° C				
Timer	upto 999 mins or continuous				
Power Requirements	2.5 Å, 450 W	3 Å, 600 W	6 Å, 1200 W		
Display	LED Display with Temperature, Time and Process Status				
Top Plate Material	22				
Body Construction	MS				
Product Dimensions (L × B × H) mm	263 × 355 × 136	339 × 430 × 170	456 × 550 × 210		
Stage wise Heating Modes	Yes				
External Temperature Probe	PT 100				
HSN Code	84198990				
Ordering Code	BLFHHMC02000000000 BLFHHMC50000000000 BLFHHMC0110000				



MULTIPOSITION MANTLES

Designed for high-throughput labs, our Multiposition Heating Mantles allow simultaneous, independent heating across multiple positions—perfect for experiments requiring varied temperature settings. With a snug fit for round-bottom flasks and consistent heat delivery, they streamline boiling, distillation, evaporation, and extraction processes without compromising control or safety.

Why Choose Multiposition Heating Mantles?



Precision, Multiplied

Auto-detecting PT 100 probe delivers consistent control across all positions.

Integrated rod holder for neat, efficient setups—even in tight lab spaces.

Built for Safety

Protective fuse and cool-touch exterior ensure user protection at every step.

TECHNICAL DATA & ORDERING INFORMATION

Model Name	MPM062	MPM065	
Heating Position	6	6	
Max Flask Capacity	250 ml	500 ml	
Power Consumption	1200 W	1450 W	
Temperature Range	Ambient +5°C to 350°C	Ambient +5°C to 350°C	
Temperature Control	PID & digital energy regulator	PID & digital energy regulator	
Temperature feedback	Yes	Yes	
Temperature Accuracy	1 °C	1 °C	
Display Timer	0 - 999 min and Infinite	0 - 999 min and Infinite	
Material of Construction	M.S Powder coated body with SS304 Top Plate SS304 Top Plate		
Unit Dimensions (L × B × H) mm	1000 × 330 × 135	1000 × 330 × 135	
HSN Code	84198990	84198990	
Ordering Code	BLFHMPM0620000000	BLFHMPM0650000000	



PRECISE HEATING AND STIRRING MANTLES

When your experiments demand both precise heat and controlled stirring, the Precision Stirring & Heating Mantle steps in as the all-in-one solution. Designed to support consistent reactions and prevent thermal inconsistencies, it ensures uniform results for complex lab processes like distillation, boiling, and extraction—without the hassle of separate equipment, all while prioritizing safety and accuracy in every experiment.



Dynamic Temperature Control

Fine-tune heating and stirring with real-time reaction tracking.



Accurate Temperature Regulation

PT 100 probe with auto-detection and integrated PID for precise control.



Smart Safety Features

Auto-spill shutdown, safe temperature limits, and protective fuse for reliable operation



Durable & Lab-Ready

Corrosion-resistant SS top, insulated cool-touch body, and grounded design.



High-Speed Stirring

Smooth mixing up to 2200 rpm—perfect for demanding reactions.



Effortless Calibration

Easy setup and built-in calibration ensure long-term accuracy and reliability.

TECHNICAL DATA & ORDERING INFORMATION

Model Name	PRM250	PRM500	PRM010	PRM020	
Flask Capacity	250 ml	500 ml	1L	2 L	
Working Temperature Range	Ambient +5 °C to 350°C				
Temperature Accuracy	1 ℃				
Timer	upto 999 mins or continuous				
Stirring Speed	300 - 2200 rpm				
Power Requirements	1Å, 150W	1Å, 200W	1Å, 300W	2.5Å, 450W	
Display	LED Display with Temperature, Time and Process Status				
Top Plate Material	SS				
Body Construction	SS				
Product Dimensions (L × B × H) mm	31 0 × 330 × 1 60	310 × 330 × 160	310 × 330 × 160	263 × 355 × 136	
Stage wise Heating Modes	Yes				
External Temperature Probe	PT 100				
HSNCode	84198990				
Ordering Code	BLFHPRM 25000000000	BLFHPRM 50000000000	BLFHPRM 01000000000	BLFHPRM 02000000000	

^{*}PRM Capacities 5L & 10 L available on request







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