



## HOTPLATE MAGNETIC STIRRER BFL1BG2 (BHMS-103)

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## MAGNETIC HOTPLATE STIRRER



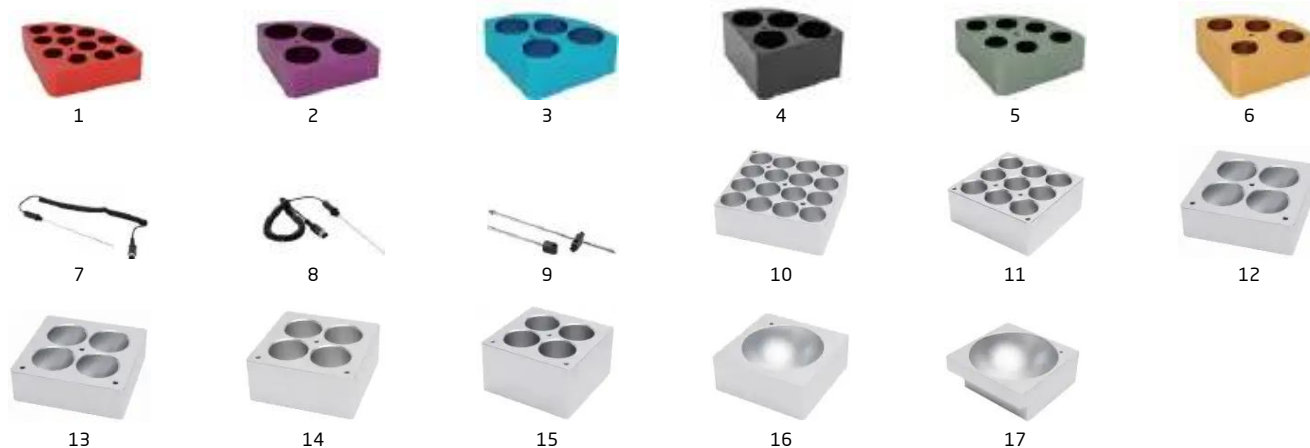
LCD displays actual temperature & speed  
Built-in PID controller ensures safe heating of the medium with overheating protection  
Maximum heating plate temperature up to 550°C  
Glass ceramic work plate is resistant to corrosion and is easy to clean  
External temperature control is possible by connecting temperature sensor (PT1000) with an accuracy of  $\pm 0.2^{\circ}\text{C}$   
Digital speed control with maximum range of 1500 rpm  
Outstanding brushless DC motor offers more stirring power  
Two knobs enable easy adjustment of speed and temperature  
"HOT" warning flashes when work plate temperature is above 50°C even when hotplate is turned off

## SPECIFICATIONS

|  |  |
|--|--|
| Model  | BFL1BG2                                      |
| Old Model                                    | BHMS-103                                     |
| Work plate Dimension [W x D]                 | 184x184mm (7 inch)                           |
| Work plate material                          | Glass ceramic                                |
| Motor type                                   | Shaded pole motor                            |
| Stirring positions                           | 1  |
| Max. stirring quantity, [H2O]                | 10L  |
| Max. magnetic bar length                     | 80mm   |
| Speed range                                  | 0-1500rpm                                    |
| Speed display                                | Scale  |
| Temperature display                          | LED  |
| Heating temperature range                    | Room Temp.-550°C, increment 5°C              |
| Temperature control accuracy                 | $\pm 10^{\circ}\text{C}$                     |
| Overheating protection                       | 580°C  |
| Temperature display accuracy                 | $\pm 1^{\circ}\text{C}$                      |
| External temperature sensor                  | PT1000 (accuracy $\pm 0.2^{\circ}\text{C}$ ) |
| "Hot" warning                                | 50°C   |
| Data connector                               | -  |
| Protection class                             | IP21   |
| Motor rating output                          | 1.5W   |
| Power  | 1030W  |
| Heating output                               | 1000W  |
| Voltage, Frequency                           | 100-120/200-240V, 50/60Hz                    |
| Dimension [WxDxH]                            | 215x360x112mm                                |
| Weight                                       | 4.5kg  |
| Timer function                               | -  |
| Permissible ambient temperature and humidity | 5-40°C, 80%RH                                |
| Alt Name                                     | LED Magnetic Hotplate Stirrer                |

## ACCESSORIES FOR PURCHASE

| No | Name               | Description   |
|----|--------------------|---|
| 1  | Red quarter pie    | 11 holes, 4mL reaction vessel, Ø15.2mm, 20mm depth  |
| 2  | Purple quarter pie | 4 holes, 20mL reaction vessel, Ø28mm, 24mm depth  |
| 3  | Orange quarter pie | 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth  |
| 4  | Black quarter pie  | 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth  |
| 5  | Green quarter pie  | 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth   |
| 6  | Golden quarter pie | 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth  |
| 7  | Temperature sensor | PT1000-A, length of 230mm   |
| 8  | Temperature sensor | PT1000-B, temperature sensor with glass coated, length 230mm                                |
| 9  | Support clamp      | Support clamp of PT1000 Vertical bar length: 45cm, stems length: 25cm, stem diameter: 10cm  |
| 10 | Square Module      | Square Module, capacity of 16 x 4mL flat bottom, hole dimensions: Ø15.2x 18.5mm             |
| 11 | Square Module      | Square Module, capacity of 16 x 8mL flat bottom, hole dimensions: Ø17.5x23.5mm              |
| 12 | Square Module      | Square Module, capacity of 9 x 16mL flat bottom, hole dimensions: Ø20.5x 28.5mm             |
| 13 | Square Module      | Square Module, capacity of 4 x 20mL flat bottom, hole dimensions: Ø28.5x23.5mm              |
| 14 | Square Module      | Square Module, capacity of 4 x 30mL flat bottom, hole dimensions: Ø28.5x33.5mm              |
| 15 | Square Module      | Square Module, capacity of 4 x 40mL flat bottom, hole dimensions: Ø28.5x43.5mm              |
| 16 | Square Module      | Ø65x25.5mm-150mL (Aperture x Hole depth - Adapted container volume) Spherical Square Module |
| 17 | Square Module      | Square Module, capacity 50mL round bottom, hole dimensions: Ø86x31.5mm                      |



## FEATURES

LCD displays actual temperature & speed

Built-in PID controller ensures safe heating of the medium with overheating protection

Maximum heating plate temperature up to 550°C

Glass ceramic work plate is resistant to corrosion and is easy to clean

External temperature control is possible by connecting temperature sensor (PT1000) with an accuracy of  $\pm 0.2^{\circ}\text{C}$

Digital speed control with maximum range of 1500 rpm

Outstanding brushless DC motor offers more stirring power

Two knobs enable easy adjustment of speed and temperature

"HOT" warning flashes when work plate temperature is above 50°C even when hotplate is turned off

Remote function provides PC control and data transmission



Overheating protection



External sensor



Chemical resistance



Wide range of accessories



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