

# Digital Magnetic Stirrer Heating



- With constant stirring and intermittent stirring functions, circulation period and interruption time-period can be set
- Two versions of hotplate, one version comes with a stainless steel hotplate, the other is porcelain enamel surface with excellent chemical resistance
- Stirrer automatically adjusts for displacement of stirring bar.
- Single temperature sensor, protection temperature can be set
- Warning display indicating presence of any residual heat when the unit is switched off
- Easy-to-read backlit LCD display
- Fuzzy control and microprocessor technology guarantee maximum control accuracy
- PC control via RS232 interface, software is available to control and document all measuring values via PC. Parameter can be set to carry out safety monitoring

## Main Data Description:

| Model  | MG-H 1500/500 rs                   | MG-H 1500/500 rs 2             |
|--|------------------------------------|--------------------------------|
| Voltage [VAC]                                    | 110/220                            | 110/220                        |
| Frequency [Hz]                                   | 50/60                              | 50/60                          |
| Power [W]  | 550                                | 50                             |
| Stirring point position quantity                 | 1                                  | 1                              |
| Max. stirring quantity (H <sub>2</sub> O) [l]    | 20                                 | 20                             |
| Max. magnetic bar [mm]                           | 80                                 | 80                             |
| Motor type                                       | Exterior rotor brushless motor     | Exterior rotor brushless motor |
| Motor rating input [W]                           | 18                                 | 18                             |
| Motor rating output [W]                          | 10                                 | 10                             |
| Speed range [rpm]                                | 100-1500                           | 100-1500                       |
| Speed display                                    | LCD                                | LCD                            |
| Speed display accuracy [rpm]                     | 1                                  | 1                              |
| Material   | Stainless steel (porcelain enamel) | Stainless steel                |
| Dimension of heating plate [mm]                  | φ135                               | φ135                           |
| Heat output [W]                                  | 500                                | --                             |
| Heating rate (1L water) [K/min]                  | 6                                  | --                             |
| Temperature range [°C]                           | RT -340                            | --                             |
| Temperature display                              | LCD                                | --                             |
| Temperature display accuracy [°C]                | 0.1                                | --                             |
| Control accuracy of heating temperature [°C]     | 1                                  | --                             |
| Adjustable safety circuit (heating plate) [°C]   | 100-350                            | --                             |
| Adjustable safety circuit (reaction liquid) [°C] | 0.2                                | --                             |
| Temperature sensor of extraposition              | PT1000                             | --                             |
| Dimension (D×W×H[z1] ) [mm]                      | 280×160×85                         | 280×160×85                     |
| Weight [kg]                                      | 2.8                                | 2.8                            |
| Permissible ambient temperature [°C]             | 5-40                               | 5-40                           |
| Permissible relative humidity                    | 80%                                | 80%                            |
| Protection class acc. to DIN EN60529             | IP42                               | IP42                           |
| RS232 interfaces                                 | Yes                                | Yes                            |

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