

## MAGNETIC STIRRER - "with hot plate"

- Explosion proof, maintenance free brushless DC motor with low noise level offers a stirring volume up to 20 L with a smooth start and quick stop.
- Ceramic coated stainless steel top plate guarantees perfect chemical resistance specially against strong acids. Also provides impact resistant, easily cleanable, scratch proof surface with excellent heat distribution.
- Integrated design of the heater and the top plate provides excellent heat transfer rate and quick heat up capability.
- Hermetically sealed aluminium alloy housing protects all mechanical and electronic components from aggressive effects and guarantees safety with a long life time.
- Electronic speed control from 100 to 1500 rpm provides a gentle revolution and precise stirring speed even at high temperatures.
- PID temperature technology enables excellent heating control from ambient temperature to 340°C.
- Offers integrated temperature control (+/- 0,2°C accuracy) with external PT1000 temperature sensor and support rod.
- Overheat protection circuit turns off the heater if the top plate temperature reaches 360°C for any reason.
- Hot surface warning display indicates any residual heat even if switched off. LCD display will show "HOT" if hotplate temperature is over 50°C. Large LCD panel displays set or actual temperature and speed.
- Special software enables control and documentation of all values via RS232 interface.



catalogue no	613.02.001	613.02.002
dimensions / weight (mm / kg)	160 x 280 x 85 / 2,8	
top plate dimensions (mm)	Ø135	
top plate material	ceramic coated stainless steel	
motor type	brushless DC motor	
power (W)	550	
voltage (V)	220	
frequency (Hz)	50	
max. stirring capacity (L)	20	
speed range (rpm)	100 - 1500	
speed & temp. display	LCD	
heating output (W)	500	
heating range (°C)	room temp. - 340	
heating accuracy (°C)	±1 < 100; ±1 % > 100	
safety temperature (°C)	360	
heating warning (°C)	50	
permissible ambient temperature (°C)	5 - 40	
permissible relative humidity (%)	80	
remote cont. (RS232) interface	yes	
standard accessories	external temp. sensor PT 1000	
time control	N/A	1 min to 99 hr - 59 min

## heating blocks - "for magnetic stirrers"



Manufactured from aluminium alloy with perfect heat transfer. Suitable for round bottom flasks.

The hole existing on the block enables insertion of the PT1000 external temperature sensor for precise control of the block temperature.



catalogue number	flask volume	block material	pack quantity
613.02.050	50 ml	aluminium	1 piece
613.02.100	100 ml	aluminium	1 piece
613.02.250	250 ml	aluminium	1 piece
613.02.500	500 ml	aluminium	1 piece