

## Data Sheet

Mixing / Magnetic Stirrers



### RT 5

5-position digital magnetic hotplate stirrer, designed for synchronous heating and stirring. The magnetic coil technology provides noiseless and consistent stirring on all positions. Screenings can be performed under reproducible conditions. The surface temperature is infinitely adjustable up to 120 °C, producing a maximum medium temperature of 70 °C (depending on type of vessel). Speed remains constant, even when load changes.

- Homogeneous temperature distribution across the heating plate
- Adjustable reverse operation
- Eco-mode for a low self-warming of the surface
- Wear free magnetic coils
- Error code display
- Easy operation with touch keypad
- Suitable for continuous operation
- Adjustable speed in increments of 10 rpm

Accessories: IKAFLON® 20 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 9 Set (5 Pcs) crown PTFE-coated Magnetic stirring bars, TRIKA® 25 Set (5 Pcs) PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 10 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 15 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® glass 25 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® glass 30 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) ellipse

#### Technical Data

Number of stirring positions	5
Stirring quantity max. per stirring position (H <sub>2</sub> O) [l]	0.4
Stirring position distance [mm]	90
Speed deviation of individual stirring positions [%]	0
Stirring quantity max. (H <sub>2</sub> O) [l]	2
Speed display	LED line
Speed range [rpm]	0 - 1000
Stirring bar length min. [mm]	25
Stirring bar length max. [mm]	30
Heat output [W]	175
Heating rate (1 l H <sub>2</sub> O in H15) [K/min]	3
Heating temperature range [°C]	room temp. - 120
Temperature medium max. (dep. on vessel) [°C]	70
Heat control	LED
Heat control accuracy [±K]	1
Speed control	10 RPM Steps
Adjustable safety circuit min. [°C]	50
Adjustable safety circuit max. [°C]	150
Temperature measurement resolution [K]	1
Set-up plate material	Aluminium alloy
Set-up plate dimensions [mm]	110 x 495
Dimensions (W x H x D) [mm]	120 x 60 x 610
Weight [kg]	4
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 40
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	200

**Ident. No.** 0003690600

PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) ellipse PTFE-coated  
Magnetic stirring bars, IKAFLON® 10 Set (5 Pcs) cross PTFE-coated Magnetic stirring  
bars, BC 1000 Beaker cap, H 11 Mains cable CH plug, H 11 Mains cable USA plug, H 11  
Mains cable Euro plug, RSE Stirring bar remover, H 11 Mains cable UK plug