

Data Sheet

Mixing / Magnetic Stirrers



RCT basic

The bestseller in laboratories: Strong motor for a higher range of speeds, additional temperature control mode for faster heating of medium

- Integrated temperature control
- Incl. PT 1000 temperature sensor (PT 1000.60)
- Exact temperature and speed setting via digital display, even when switched off
- Set safety temperature limit displayed digitally
- Hot Top indicator >> hot surface warning to prevent burns!
- Digital error code display
- With adjustable safety circuit of heating plate temperature (50 - 360 °C)
- Safety magnetic stirrer with heating, suitable for unsupervised operation
- Bushing according to DIN 12878 for connecting a contact thermometer, e.g. ETS-D5, enables precise temperature control
- High level of safety thanks to improved heat control technology
- Enclosed assembly (IP 42) guarantees long service life
- Aluminium heating plate for optimum heat transfer
- Improved magnetic adhesion
- Incl. protection cover H 100
- Max. stirring quantity (H₂O): 20 l
- Speed range: 50 - 1500 rpm
- Temperature range: RT - 310 °C

Accessories: ETS-D5, ETS-D6, RS 1 Set of 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® 40 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) round PTFE-coated Magnetic stirring bars, IKAFLON® 80 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® glass 40 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® glass 50 Set (5 Pcs) round Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) power SmSo PTFE-coated Magnetic stirring bars, IKAFLON® 50 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® 40 Set (5 Pcs) slide round PTFE-coated Magnetic stirring bars, IKAFLON® 50 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 PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 35 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 40 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 50 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 60 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 70 Set (5 Pcs) ellipse PTFE-coated Magnetic stirring bars, IKAFLON® 10 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 20 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 25 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 30 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 38 Set (5 Pcs) cross PTFE-coated Magnetic stirring bars, IKAFLON® 37 Set (5 Pcs) bone PTFE-coated Magnetic stirring bars, IKAFLON® 54 Set (5 Pcs) bone PTFE-coated Magnetic stirring bars, IKAFLON® 67 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 74 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 103 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 125 (1 Pc) beaker PTFE-coated Magnetic stirring bars, IKAFLON® 9 Set (5 Pcs) crown PTFE-coated Magnetic stirring bars, RS 2 Set of magnetic stirring bars, TRIKA® 25 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 35 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 55 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 80 Set (5 Pcs) PTFE-coated Magnetic stirring bars, RSE Stirring bar remover, H 135.10 Square carrier without handle, H 135.11 Square carrier with handle, H 135.101 Block 16 x 4 ml, H 135.102 Block 16 x 8 ml, H 135.103 Block 9 x 16 ml, H 135.104 Block 4 x 20 ml, H 135.105 Block 4 x 30 ml, H 135.106 Block 4 x 40 ml, H 135.107 Block 100 ml, H 135.108 Block 250 ml, H

135.20 Flask carrier 100 ml without handle, H 135.21 Flask carrier 100 ml with handle, H 135.201 Flask inlay 10 ml, H 135.202 Flask inlay 25 ml, H 135.203 Flask inlay 50 ml, H 135.25 Flask carrier 250 ml without handle, H 135.26 Flask carrier 250 ml with handle, H 135.30 Flask carrier 500 ml without handle, H 135.31 Flask carrier 500 ml with handle, H 135.301 Flask inlay 100 ml, H 135.302 Flask inlay 250 ml, H 135.40 Flask carrier 1000 ml without handle, H 135.41 Flask carrier 1000 ml with handle, H 135.401 Flask inlay 500 ml , H 135.50 Flask carrier 2000 ml without handle, H 135.51 Flask carrier 2000 ml with handle, H 135.501 Flask inlay 1000 ml , H 100 Protective cover, PT 1000.60 Temperature sensor, stainless steel, PT 1000.70 Temperature sensor, glass coated, PT 1000.90 Temperature sensor, coated, H 38 Holding rod, H 44 Boss head clamp, H 16 V Support rod, H 16.3 Extension, H 29 Oil bath attachment, H 1000, H 1500, H 3000, H 5000, H 8000, LABLIFT m, BC 1000 Beaker cap, HG 600 Heating jacket, HG 1000 Heating jacket, H 11 Mains cable Euro plug, H 11 Mains cable CH plug, H 11 Mains cable UK plug, H 11 Mains cable USA plug

Technical Data		
Number of stirring positions		1
Stirring quantity max. per stirring position (H2O) [l]		20
Motor rating output [W]		9
Direction of rotation		right
Speed display set-value		LED
Speed display actual-value		LED
Speed control		Turning knob
Speed range [rpm]		50 - 1500
Setting accuracy speed [rpm]		10
Stirring bar length min. [mm]		20
Stirring bar length max. [mm]		80
Self-heating of the hotplate by max. stirring (RT:22°C/duration:1h) [+K]		28
Heat output [W]		600
Temperature display set-value		LED
Temperature display actual-value		LED
Temperature unit		°C
Heating temperature range [°C]	Room temp. + device self heating - 310	
Heat control		Turning knob
Temperature setting range min. [°C]		0
Temperature setting range max. [°C]		310
Heating rate heating plate [K/min]		6.5
Temperature setting resolution of heating plate [K]		1
Connection for ext. temperature sensor		PT1000
Temperature setting resolution of medium [K]		1
Adjustable safety circuit min. [°C]		50
Adjustable safety circuit max. [°C]		360
Set-up plate material	Aluminium alloy	
Set-up plate dimensions [mm]		Ø 135
Automatic reverse rotation		no
Intermittend mode		no
Viscosity trend measurement		no
Break detection stirring bar		no
Timer		no
pH measurement		no
Graph function		no
Programs		no
Sensor in medium detection (Error 5)		yes
Weighing function		no
Dimensions (W x H x D) [mm]		160 x 85 x 270
Weight [kg]		2.5
Permissible ambient temperature [°C]		5 - 40
Permissible relative humidity [%]		80
Protection class according to DIN EN 60529		IP 42
RS 232 interface		no
USB interface		no
Analog output		no
Voltage [V]	220 - 230 / 115 / 100	
Frequency [Hz]		50/60
Power input [W]		610
Ident. No.		0003810001