

## Data Sheet

Mixing / Magnetic Stirrers



### RET basic IKAMAG® safety control

The classic: Now with new design, functions and features.

new: Wide speed range from 0/50 - 1700 rpm

new: Integrated temperature control

new: Incl. PT 1000 temperature sensor (PT 1000.60)

new: Exact temperature and speed setting via digital display, even when switched off

new: Set safety temperature limit displayed digitally

new: Hot Top indicator >> hot surface warning to prevent burns!

new: Digital error code display

- With adjustable safety circuit of heating plate temperature (50 - 380 °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

- Very broad temperature range (RT - 340 °C)

- Extremely fast heating times

- Electronic speed control

- High magnetic adhesion

- Incl. protection cover H 100

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® 15 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)

#### Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H <sub>2</sub> O) [l]	20
Speed deviation of individual stirring positions [%]	5
Stirring quantity max. (H <sub>2</sub> O) [l]	20
Motor rating input [W]	16
Motor rating output [W]	9
Speed display	LED
Speed range [rpm]	0/50 - 1700
Stirring bar length max. [mm]	80
Heat output [W]	600
Heating rate (1 l H <sub>2</sub> O in H15) [K/min]	7
Heating temperature range [°C]	room temp. - 340
Heat control	LED
Heat control accuracy [±K]	1
Speed control	stepless
Adjustable safety circuit min. [°C]	50
Adjustable safety circuit max. [°C]	360
Connection for ext. temperature sensor	PT1000
Control accuracy with sensor [±K]	1
Temperature constancy in medium [±K]	1
Set-up plate material	stainless steel 1.4301
Set-up plate dimensions [mm]	Ø 135
Dimensions (W x H x D) [mm]	160 x 95 x 270
Weight [kg]	2.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 42
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	630
<b>Ident. No.</b>	<b>0003622001</b>

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, TRIKA® 25 Set (5 Pcs) PTFE-coated Magnetic stirring bars, TRIKA® 40 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,  
 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, RSE Stirring bar remover, H 135.105 Block 4 x  
 30 ml, H 135.70 Flask Carrier 5000 ml without Handle, H 135.601 Flask inlay 2000 ml,  
 H 135.60 Flask Carrier 3000 ml without Handle, H 135.501 Flask inlay 1000 ml, H  
 135.50 Flask Carrier 2000 ml without Handle, H 135.401 Flask inlay 500 ml, H 135.40  
 Flask Carrier 1000 ml without Handle, H 135.302 Flask inlay 250 ml, H 135.301 Flask  
 inlay 100 ml, H 135.30 Flask Carrier 500 ml without Handle, H 135.10 Square Carrier  
 without 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 135.701 Flask inlay 3000 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 135.201 Flask inlay 10 ml, H 135.202 Flask inlay 25  
 ml, H 135.203 Flask inlay 50 ml, H 16 V Support rod, H 16.1 Extension, H 38 Holding  
 rod, H 44 Boss head clamp, H 100 Protective cover, labworldsoft®, H 11 Mains cable  
 Euro plug, H 11 Mains cable CH plug, H 11 Mains cable UK plug, H 11 Mains cable  
 USA plug, LABLIFT m



Quasar Instruments, LLC  
 4835 Centennial Blvd.  
 Colorado Springs, CO 80919

T. 877-535-8001 F. 719-574-2404 E. Sales@qi-us.com