

Data Sheet

Mixing / Magnetic Stirrers



RET basic IKAMAG® safety control

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

new: Wide speed range from 50 - 1.700 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: H 135.3 Carrier plate, H 135.313 Quarter, 4 ml reaction vessel (Gold), H 135.314 Quarter, 8 ml reaction vessel (Blue), H 135.315 Quarter, 16 ml reaction vessel (Red), H 135.310 Quarter, 20 ml reaction vessel (Black), H 135.311 Quarter, 30 ml reaction vessel (Green), H 135.312 Quarter, 40 ml reaction vessel (Orange), H 135.4 Reaction block, 100 ml round flask (Black), H 135.5 Reaction block, 500 ml round flask (Purple), H 135.6 Reaction block, 1000 ml round flask (Blue), H 135.410 Insert, 10 ml round flask (Gold), H 135.411 Insert, 25 ml round flask (Blue), H 135.412 Insert, 50 ml round flask (Red), H 135.510 Insert, 200 ml round flask (Turquoise), H 135.511 Insert, 250 ml round flask (Clear), H 135.512 Insert, 300 ml round flask (Black), H 135.610 Insert, 500 ml round flask (Purple), ETS-D5, ETS-D6, IKAFLON® 10 Magnetic stirring bar, IKAFLON® 15 Magnetic stirring bar, IKAFLON® 20 Magnetic stirring bar, IKAFLON® 25 Magnetic stirring bar, IKAFLON® 30 Magnetic stirring bar, IKAFLON® 40 Magnetic stirring bar, IKAFLON® 50 Magnetic stirring bar, IKAFLON® 80 Magnetic stirring bar, TRIKA® 25 Magnetic stirring bar, TRIKA® 40 Magnetic stirring bar, RS 1 Set of magnetic stirring bars, RSE Stirring bar remover, H 16 V Support rod, H 16.1 Extension, H 38 Holding rod, H 44 Boss head clamp, R 380 Stand support, H 99 Protective cover, H 15 Bath attachment, H 28 Bath attachment, H 29 Oil bath

Technical Data

Number of stirring positions	1
Stirring quantity max. per stirring position (H ₂ O) [l]	20
Speed deviation of individual stirring positions [%]	5
Stirring quantity max. (H ₂ O) [l]	20
Motor rating input [W]	16
Motor rating output [W]	9
Speed display	LED
Speed range [1/min]	50 - 1700
Stirring bar length max. [mm]	80
Heat output [W]	600
Heating rate (1 l H ₂ O in H15) [K/min]	7
Heating temperature range [°C]	50 - 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	DIN 12 878
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
Ident. No.	3622000

attachment, H 30 Oil bath attachment, H 11 Mains cable Euro plug, H 11 Mains cable
CH plug, H 11 Mains cable UK plug, H 11 Mains cable USA plug