

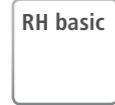
# Magnetic stirrers with heating



Adjustable safety temperature



DIN Bushing 12878 for connecting an electronic contact thermometer



RH basic



RH basic/digital with white coated heating plate!

- > Offers excellent chemical resistance
- > Easy to clean

## Technical data

Max. stirring quantity (H<sub>2</sub>O)  
Motor rating input / output  
Speed range  
Speed display  
Heat output  
Temperature range  
Max. magnetic bar (L x Ø)  
Safety circuit  
Control accuracy with sensor

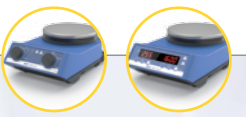
Heating plate material  
Dimensions  
Weight

## RH basic | RH basic white

15 l  
15 / 2 W  
50 – 2000 rpm  
scale  
600 W  
50 – 320 °C  
80 mm  
50 – 370 °C  
ETS-D5: ± 0.5 K  
ETS-D6: ± 0.2 K  
stainless steel 1.4301 | white ceramic  
Ø 135 mm  
2 kg  
Ident. No. 0005019700  
Ident. No. 0005029700

## RH digital | RH digital white

15 l  
15 / 2 W  
50 – 2000 rpm  
LED  
600 W  
50 – 320 °C  
80 mm  
50 – 370 °C  
ETS-D5: ± 0.5 K  
ETS-D6: ± 0.2 K  
stainless steel 1.4301 | white ceramic  
Ø 135 mm  
2 kg  
Ident. No. 0005019800  
Ident. No. 0004678000



IKA<sup>+</sup>

The convenient carrying handle and the compact design makes the unit ultra-portable and offers easy transportation



RH digital



Hot Top indicator to prevent burns



Digital display for precise monitoring of speed and temperature



DIN Bushing 12878 for connecting an electronic contact thermometer



For accessories, see pages 16-23

# Magnetic stirrers with heating

Available  
2014



RCT  
basic



Hot Top indicator  
to prevent burns



Digital display for precise  
monitoring of speed  
and temperature



USB interface to control and document  
rheological changes and other parameters  
using labworldsoft® software and for  
updating your firmware



Integrated temperature sensor  
for precise temperature control



DIN Bushing 12878 for  
connecting an electronic  
contact thermometer



RS 232 interface for  
PC connection



Integrated temperature sensor  
for precise temperature control

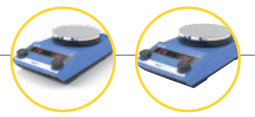


Integrated weighing function  
with max. weighing range of  
up to 2 kg



BNC socket to connect  
a pH electrode

RET  
control



Available  
2014



## RCT Synthesis Package 1 Quarter System & RCT Synthesis Package 2 Reaction Block System

- > Multiple synthesis with only one magnetic stirrer
- > Uniform mixing in every vessel
- > High-precision thermal conduction directly into the quarters

Package details on page 90

Technical data	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	16 / 9 W
Speed range	50 – 1500 rpm
Heat output	600 W
Temperature range	RT – 310 °C
Adjustable safety circuit	50 – 360 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0.5 K   ETS-D6: ± 0.2 K
Heating plate material	aluminum alloy
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2.5 kg

RCT basic safety control	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	16 / 9 W
Speed range	50 – 1500 rpm
Heat output	600 W
Temperature range	RT – 310 °C
Adjustable safety circuit	50 – 360 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0.5 K   ETS-D6: ± 0.2 K
Heating plate material	aluminum alloy
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2.5 kg

RCT basic	
replaces RCT basic safety control	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	16 / 9 W
Speed range	50 – 1500 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Adjustable safety circuit	50 – 370 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0.5 K   ETS-D6: ± 0.2 K
Heating plate material	aluminum
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	3 kg

RET basic safety control	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	16 / 9 W
Speed range	50 – 1700 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Adjustable safety circuit	50 – 360 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0.5 K   ETS-D6: ± 0.2 K
Heating plate material	aluminum
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 95 mm
Weight	2.5 kg

Technical data	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	12 / 5 W
Speed range	0 – 1200 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Adjustable safety circuit	50 – 350 °C
Control accuracy with sensor	± 0.2 K
Heating plate material	stainless steel
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 280 x 97 mm
Weight	2.8 kg

RET control/t	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	12 / 5 W
Speed range	0 – 1200 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Adjustable safety circuit	50 – 350 °C
Control accuracy with sensor	± 0.2 K
Heating plate material	stainless steel
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 280 x 97 mm
Weight	2.8 kg

RET control   RET control white	
replaces RET basic; RET control/t	
Max. stirring quantity (H <sub>2</sub> O)	20 l
Motor rating input / output	16 / 9 W
Speed range	50 – 1700 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Adjustable safety circuit	50 – 370 °C
Control accuracy with sensor	PT 100: ± 0.2 K
Heating plate material	stainless steel 1.4301   white ceramic
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	3 kg



## RET control with white coated heating plate!

- > Offers excellent chemical resistance
- > Easy to clean

\* PT 1000.60 included in delivery.

For accessories, see pages 16-23



# Magnetic stirrers with heating



-  DIN Bushing 12878 for connecting an electronic contact thermometer (Available only for C-MAG HS 7 & 10)
-  Hot Top indicator to prevent burns
-  Elevated control panel for protection against spilled liquids
-  C-MAG HS 7



### Technical data

Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	250 W
Temperature range	50 – 500 °C
Max. magnetic bar (L x Ø)	30 x 8 mm
Safety circuit	550 °C (fixed)
Control accuracy with sensor	–
Heating plate material	glass ceramic
Dimensions	100 x 100 mm
Weight	3 kg





C-MAG HS 4	
Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	250 W
Temperature range	50 – 500 °C
Max. magnetic bar (L x Ø)	30 x 8 mm
Safety circuit	550 °C (fixed)
Control accuracy with sensor	–
Heating plate material	glass ceramic
Dimensions	100 x 100 mm
Weight	3 kg
Ident. No.	0003581000

C-MAG HS 7	
Max. stirring quantity (H <sub>2</sub> O)	10 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	1000 W
Temperature range	50 – 500 °C
Max. magnetic bar (L x Ø)	80 x 10 mm
Safety circuit	550 °C (fixed)
Control accuracy with sensor	ETS-D5 / ± 0.5 K
Heating plate material	glass ceramic
Dimensions	180 x 180 mm
Weight	5 kg
Ident. No.	0003581200
C-MAG HS 7 Package	
Ident. No.	0009015900

C-MAG HS 10	
Max. stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	1500 W
Temperature range	50 – 500 °C
Max. magnetic bar (L x Ø)	80 x 10 mm
Safety circuit	550 °C (fixed)
Control accuracy with sensor	ETS-D5 / ± 0.5 K
Heating plate material	glass ceramic
Dimensions	260 x 260 mm
Weight	6 kg
Ident. No.	0003581400

Package details on page 90



-  Hot Top indicator to prevent burns
-  LCD Display for simultaneous display of target and actual temperatures
-  Elevated control panel for protection against spilled liquids
-  Integrated temperature sensor for precise temperature control

C-MAG HS 7 digital

PT 1000.60

### Technical data

Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	250 W
Temperature range	50 – 500 °C
Max. stirring bar length	30 mm
Adjustable safety circuit	550 °C (fixed)
Control accuracy with sensor	± 0.5 K
Set-up plate material	ceramic
Set-up plate dimensions	100 x 100 mm
Weight	3 kg

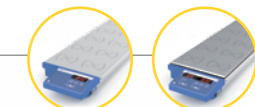
C-MAG HS 4 digital	
Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	250 W
Temperature range	50 – 500 °C
Max. stirring bar length	30 mm
Adjustable safety circuit	550 °C (fixed)
Control accuracy with sensor	± 0.5 K
Set-up plate material	ceramic
Set-up plate dimensions	100 x 100 mm
Weight	3 kg
Ident. No.	0004240200*

C-MAG HS 7 digital	
Max. stirring quantity (H <sub>2</sub> O)	10 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	1000 W
Temperature range	50 – 500 °C
Max. stirring bar length	80 mm
Adjustable safety circuit	550 °C (fixed)
Control accuracy with sensor	± 0.5 K
Set-up plate material	ceramic
Set-up plate dimensions	180 x 180 mm
Weight	5 kg
Ident. No.	0004240200*

C-MAG HS 10 digital	
Max. stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Heat output	1500 W
Temperature range	50 – 500 °C
Max. stirring bar length	80 mm
Adjustable safety circuit	550 °C (fixed)
Control accuracy with sensor	± 0.5 K
Set-up plate material	ceramic
Set-up plate dimensions	260 x 260 mm
Weight	6 kg
Ident. No.	0004240400*

\* PT 1000.60 included in delivery  
For accessories, see pages 16-23

# Multiposition stirrers with and without heating



Heating foil for homogeneous temperature distribution of the heating plate



Reverse rotation switch for better mixing results

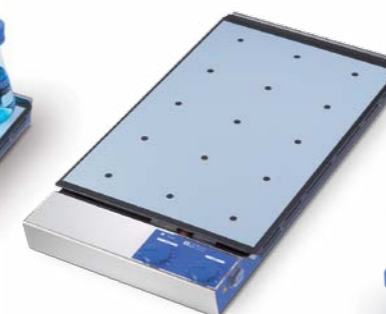


Wear-free magnetic coils for consistent and silent operation



RT 15

Available 2014



Available 2014



Available 2014



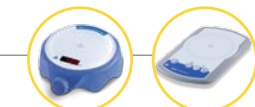
## Technical data

	RO 5	RO 10	RO 15	RT 5 power
Number of stirring positions	5	10	15	5
Max. stirring quantity (H <sub>2</sub> O)	0.4 l	0.4 l	0.4 l	0.4 l
Distance between stirring places	90 mm	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%	5%
Speed display	LED	LED	LED	scale
Speed range	0 – 1200 rpm	0 – 1200 rpm	0 – 1200 rpm	0 – 1100 rpm
Speed adjustment	10 rpm steps	10 rpm steps	10 rpm steps	scale
Max. stirring bar length	30 mm	30 mm	30 mm	30 mm
Set-up plate material	stainless steel 1.4301	stainless steel 1.4301	stainless steel 1.4301	silicone
Set-up plate dimensions	120 x 470 mm	190 x 470 mm	280 x 470 mm	120 x 450 mm
Dimensions (W x D x H)	120 x 570 x 60 mm	190 x 570 x 60 mm	280 x 570 x 60 mm	138 x 552 x 65 mm
Weight	3 kg	5 kg	7 kg	3 kg
	Ident. No. 0003690500	Ident. No. 0003691000	Ident. No. 0003692500	Ident. No. 0002930300

RT 10 power	RT 15 power	RT 5	RT 10	RT 15
10	15	replaces RT 5 power	replaces RT 10 power	replaces RT 15 power
0.4 l	0.4 l	0.4 l	0.4 l	0.4 l
90 mm	90 mm	90 mm	90 mm	90 mm
5%	5%	0%	0%	0%
scale	scale	LED	LED	LED
0 – 1100 rpm	0 – 1100 rpm	0 – 1000 rpm	0 – 1000 rpm	0 – 1000 rpm
scale	scale	10 rpm steps	10 rpm steps	10 rpm steps
30 mm	30 mm	30 mm	30 mm	30 mm
silicone	silicone	aluminum alloy	aluminum alloy	aluminum alloy
180 x 450 mm	270 x 450 mm	110 x 495 mm	180 x 495 mm	270 x 495 mm
198 x 552 x 65 mm	288 x 552 x 65 mm	120 x 610 x 60 mm	190 x 610 x 60 mm	280 x 610 x 60 mm
4.2 kg	6 kg	4 kg	7.5 kg	10.5 kg
Ident. No. 0002930500	Ident. No. 0002930700	Ident. No. 0003690600	Ident. No. 0003691100	Ident. No. 0003692600

For accessories, see pages 16-23





# Magnetic stirrers without heating



color squid

Electronically controlled, high power motor for a higher capacity and higher speed range

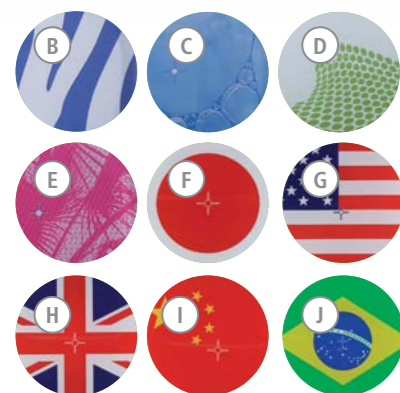
Glass plate for excellent chemical resistance to acids, bases and solvents

The digital display enables precise setting of speed

IKA+

The difference between the color squid and the big squid is the **set-up plate diameter**.

color squid: Ø 115 mm  
big squid: Ø 160 mm



## Technical data

Max. stirring quantity (H <sub>2</sub> O)	1 l
Motor rating input / output	3 / 2 W
Speed range	0 – 2500 rpm
Speed display	LED
Max. stirring bar length	30 mm
Speed adjustment	50 rpm steps
Set-up plate material	glass
Set-up plate dimensions	Ø 115 mm
Dimensions (W x D x H)	145 x 160 x 45 mm
Weight	0.54 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 54
Voltage	100 – 240 V
Frequency	50/60 Hz

## color squid

Max. stirring quantity (H <sub>2</sub> O)	1 l
Motor rating input / output	3 / 2 W
Speed range	0 – 2500 rpm
Speed display	LED
Max. stirring bar length	30 mm
Speed adjustment	50 rpm steps
Set-up plate material	glass
Set-up plate dimensions	Ø 115 mm
Dimensions (W x D x H)	145 x 160 x 45 mm
Weight	0.54 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 54
Voltage	100 – 240 V
Frequency	50/60 Hz

- A Ident. No. 0003671000 white
- B Ident. No. 0003698200 zebra
- C Ident. No. 0003698300 bubbles
- D Ident. No. 0003698400 wave
- E Ident. No. 0003698500 palm tree
- F Ident. No. 0004175300 solar sphere
- G Ident. No. 0004175100 Stars and Stripes
- H Ident. No. 0004175200 Union Jack
- I Ident. No. 0004175400 red flag
- J Ident. No. 0004175500 Seleção

## big squid

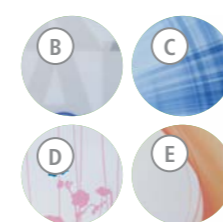
Max. stirring quantity (H <sub>2</sub> O)	1.5 l
Motor rating input / output	3 / 2 W
Speed range	0 – 2500 rpm
Speed display	LED
Max. stirring bar length	30 mm
Speed adjustment	50 rpm steps
Set-up plate material	glass
Set-up plate dimensions	Ø 160 mm
Dimensions (W x D x H)	180 x 195 x 40 mm
Weight	0.7 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 54
Voltage	100 – 240 V
Frequency	50/60 Hz

- A Ident. No. 0003672000 white
- B Ident. No. 0003857200 frozen
- C Ident. No. 0003857400 hibiscus
- D Ident. No. 0003857300 twist
- E Ident. No. 0003857100 leaves

## Mini MR standard

Max. stirring quantity (H <sub>2</sub> O)	1 l
Motor rating input / output	3 / 2 W
Speed range	0 – 2500 rpm
Speed display	–
Max. stirring bar length	30 mm
Speed adjustment	–
Set-up plate material	polyester
Set-up plate dimensions	115 x 115 mm
Dimensions (W x D x H)	114 x 127 x 37 mm
Weight	0.25 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 42
Voltage	100 – 240 V
Frequency	50/60 Hz

Ident. No. 0003674000



lab disc

Automatic reverse rotation every 30 seconds



Ultra-flat for stirring quantities of up to 800 ml (H<sub>2</sub>O)

Modern wear-free magnetic coil technology



IKA+

Portable unit with rechargeable batteries with long operating time (8-12 h)

## Technical data

Max. stirring quantity (H <sub>2</sub> O)	0.8 l
Motor rating input / output	5 / 3 W
Speed range	15 – 1500 rpm
Speed display	–
Max. stirring bar length	25 mm
Speed adjustment	stepless
Set-up plate material	polyester
Set-up plate dimensions	Ø 100 mm
Dimensions (W x D x H)	117 x 180 x 12 mm
Weight	0.3 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 65
Voltage	100 – 240 V
Frequency	50/60 Hz

## lab disc

Max. stirring quantity (H <sub>2</sub> O)	0.8 l
Motor rating input / output	5 / 3 W
Speed range	15 – 1500 rpm
Speed display	–
Max. stirring bar length	25 mm
Speed adjustment	stepless
Set-up plate material	polyester
Set-up plate dimensions	Ø 100 mm
Dimensions (W x D x H)	117 x 180 x 12 mm
Weight	0.3 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 65
Voltage	100 – 240 V
Frequency	50/60 Hz

- A Ident. No. 0003907500 white
- B Ident. No. 0003765000 pattern
- C Ident. No. 0003916100 stream
- D Ident. No. 0003920700 meadow
- E Ident. No. 0003920900 maracuja

## topolino

Max. stirring quantity (H <sub>2</sub> O)	0.25 l
Motor rating input / output	1 / 0.8 W
Speed range	300 – 1800 rpm
Speed display	–
Max. stirring bar length	30 mm
Speed adjustment	stepless
Set-up plate material	synthetic (PP)
Set-up plate dimensions	Ø 80 mm
Dimensions (W x D x H)	95 x 115 x 37 mm
Weight	0.32 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	100 – 240 V
Frequency	50/60 Hz

Ident. No. 0003368000

## topolino mobil

Max. stirring quantity (H <sub>2</sub> O)	0.25 l
Motor rating input / output	1 / 0.8 W
Speed range	300 – 1800 rpm
Speed display	–
Max. stirring bar length	30 mm
Speed adjustment	stepless
Set-up plate material	synthetic (PP)
Set-up plate dimensions	Ø 80 mm
Dimensions (W x D x H)	Ø 140 x 42 mm
Weight	0.60 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	100 – 240 V
Frequency	50/60 Hz

Ident. No. 0003381300

For accessories, see pages 16-23

# Magnetic stirrers without heating



Maxi MR 1 digital



For stirring quantities up to 150 l (H<sub>2</sub>O)



Infinitely adjustable speed with digital display



Timer or continuous operation



C-MAG MS 10



Ceramic set-up plate offers excellent chemical resistance to acid, bases and solvents



Powerful motor for stirring quantities up to 15 l (H<sub>2</sub>O)



Elevated control panel for protection against spilled liquids



## Technical data

Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	14 / 4 W
Speed range	0 – 1100 rpm
Speed display	scale
Max. stirring bar length	50 mm
Speed adjustment	stepless
Set-up plate material	stainless steel 1.4301
Set-up plate dimensions	140 x 120 mm
Dimensions (W x D x H)	140 x 200 x 75 mm
Weight	1.4 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

## KMO 2 basic

Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	14 / 4 W
Speed range	0 – 1100 rpm
Speed display	scale
Max. stirring bar length	50 mm
Speed adjustment	stepless
Set-up plate material	stainless steel 1.4301
Set-up plate dimensions	140 x 120 mm
Dimensions (W x D x H)	140 x 200 x 75 mm
Weight	1.4 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0002812000

## Midi MR 1 digital

Max. stirring quantity (H <sub>2</sub> O)	50 l
Motor rating input / output	70 / 19 W
Speed range	0 – 1000 rpm
Speed display	LCD
Max. stirring bar length	80 mm
Speed adjustment	stepless
Set-up plate material	stainless steel 1.4301
Set-up plate dimensions	350 x 350 mm
Dimensions (W x D x H)	360 x 430 x 110 mm
Weight	10.7 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0002621900

## Maxi MR 1 digital

Max. stirring quantity (H <sub>2</sub> O)	150 l
Motor rating input / output	80 / 35 W
Speed range	0 – 600 rpm
Speed display	LCD
Max. stirring bar length	155 mm
Speed adjustment	stepless
Set-up plate material	stainless steel 1.4301
Set-up plate dimensions	500 x 500 mm
Dimensions (W x D x H)	505 x 585 x 110 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0002621800

## Technical data

Max. stirring quantity (H <sub>2</sub> O)	5 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Max. stirring bar length	30 mm
Speed adjustment	scale (0 – 6)
Set-up plate material	ceramic
Set-up plate dimensions	100 x 100 mm
Dimensions (W x D x H)	150 x 260 x 105 mm
Weight	3 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0003582200

## C-MAG MS 4

Max. stirring quantity (H <sub>2</sub> O)	10 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Max. stirring bar length	80 mm
Speed adjustment	scale (0 – 6)
Set-up plate material	ceramic
Set-up plate dimensions	180 x 180 mm
Dimensions (W x D x H)	220 x 330 x 105 mm
Weight	5 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0003582400

## C-MAG MS 7

Max. stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Max. stirring bar length	80 mm
Speed adjustment	scale (0 – 6)
Set-up plate material	ceramic
Set-up plate dimensions	260 x 260 mm
Dimensions (W x D x H)	300 x 415 x 105 mm
Weight	6 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0003582600

## C-MAG MS 10

Max. stirring quantity (H <sub>2</sub> O)	15 l
Motor rating input / output	15 / 1.5 W
Speed range	100 – 1500 rpm
Speed display	scale
Max. stirring bar length	80 mm
Speed adjustment	scale (0 – 6)
Set-up plate material	ceramic
Set-up plate dimensions	260 x 260 mm
Dimensions (W x D x H)	300 x 415 x 105 mm
Weight	6 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50/60 Hz

Ident. No. 0003582600

For accessories, see pages 16-23



# Magnetic Stirrers | Accessories



## Electronic contact thermometers

- |   | Ident. No. |
|---|------------|
| 1 ETS-D5  | 0003378000 |
| Electronic contact thermometer, -50 – 450 °C, 0.1 K resolution  |            |
| 2 ETS-D6  | 0003378100 |
| Electronic contact thermometer. Similar to ETS-D5, additionally comes equipped with integrated pH measuring instrument (without pH electrode) |            |

## Temperature sensors for ETS-D5 / D6

- |  | Ident. No. |
|--|------------|
| 3 H 62.51  | 0002735451 |
| Temperature sensor, stainless steel, Ø 3 mm, 260 mm length               |            |
| 4 H 66.51  | 0002735551 |
| Temperature sensor, stainless steel, glass-coated, Ø 6 mm, 260 mm length |            |
| H 66.53  | 0004499900 |
| Temperature sensor, coated with SafeCoat, Ø 3 mm, 260 mm length          |            |

## ETS-D5 / D6 Accessories

- |                      | Ident. No. |
|----------------------|------------|
| 5 H 70               | 0002735600 |
| Extension cable, 1 m |            |

## Temperature sensors for RCT / RET basic and C-MAG HS digital series

- |  | Ident. No. |
|--|------------|
| 6 PT 1000.60   | 0003516800 |
| Temperature sensor, stainless steel, Ø 3 mm, 230 mm length                       |            |
| 7 PT 1000.70   | 0003736000 |
| Temperature sensor, stainless steel, glass-coated, Ø 7 mm, 230 mm length         |            |
| 8 PT 1000.80   | 0004443000 |
| Temperature sensor, stainless steel, Ø 3 mm, 150 mm length                       |            |
| PT 1000.90   | 0004480600 |
| Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length |            |

## Temperature sensors for RET control / t and RET control

- |  |            |
|--|------------|
| 9 PT 100.50  | 0002601900 |
| Temperature sensor, stainless steel, Ø 3 mm, 230 mm length                       |            |
| 10 PT 1000.50  | 0003367600 |
| Temperature sensor, dual stainless steel, Ø 3 mm, 230 mm length                  |            |
| 11 PT 1000.51  | 0003377700 |
| Temperature sensor, dual stainless steel, glass-coated, Ø 3 mm                   |            |
| 12 PT 100.51   | 0002600300 |
| Temperature sensor, glass-coated, Ø 8 mm, 230 mm length                          |            |
| PT 100.53  | 0004499700 |
| Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length |            |
| PT 1000.53   | 0004499800 |
| Temperature sensor, coated with SafeCoat, 230 mm length                          |            |





# Magnetic Stirrers | Accessories



## Oil bath attachments

	Ident. No.
H 29	0002829400

Oil bath attachment, 1 l, aluminum, inner Ø 136-180 mm, 81 mm height for use with oil only

H 30	0002829500
------	------------

Oil bath attachment, 1.5 l, aluminum, inner Ø 136-190 mm, 110 mm height for use with oil only

## Beakers

H 1000	0004444401
--------	------------

Beaker, stainless steel, 1 l, inner Ø 160 mm, 79 mm height

H 1500	0004444501
--------	------------

Beaker, stainless steel, 1.5 l, inner Ø 140 mm, 160 mm height

H 3000	0004444503
--------	------------

Beaker, stainless steel, 3 l, inner Ø 180 mm, 119 mm height

H 5000	0004444505
--------	------------

Beaker, stainless steel, 5 l, inner Ø 220 mm, 142 mm height

H 8000	0004444508
--------	------------

Beaker, stainless steel, 8 l, inner Ø 265 mm, 162 mm height

## Protective covers

H 102	0004281600
-------	------------

Cover for RH basic

H 103	0004299100
-------	------------

Cover for RH digital

H 100	0003661000
-------	------------

Cover for RET basic and RCT basic



10



13



11



14



12



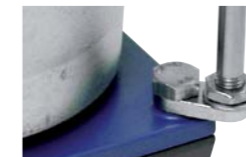
15



16



17



18



19



20



21



22

## Other accessories

16	H 11 (Euro   USA   UK   CH plug)	0001091500
		0003564500
		0002410700
		0001091600

Mains cable, spare

17	H 16 V	0001545100
	Support rod, Ø 10 mm, 450 mm length	

18	H 16.1	0005000500
	Extension for support rod	

19	H 44	0002437700
	Boss head clamp	

20	H 38	0003547700
	Holding rod	

## Stirring bars

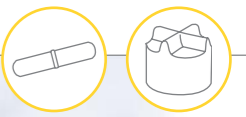
21	RS 1	0001358600
	Consisting of IKAFLON® (10 – 80 mm) and TRIKA® (25 and 40 mm) magnetic stirring bars	

	RS 2	0004499100
	Consisting of IKAFLON® 40 round, 40 glass, 30 power, 40 slide round, 40 ellipse, 40 TRIKA, 25 cross, 9 crown and 25 bone magnetic stirring bars	

22	RSE	0001293100
	Stirring bar remover	



# Magnetic Stirrers | Accessories



## Stirring bars

### IKAFLON® round

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 10 Set (5 Pcs) round PTFE-coated	10 x 6 mm	0004488600
IKAFLON® 15 Set (5 Pcs) round PTFE-coated	15 x 6 mm	0004488700
IKAFLON® 20 Set (5 Pcs) round PTFE-coated	20 x 8 mm	0004488800
IKAFLON® 25 Set (5 Pcs) round PTFE-coated	25 x 8 mm	0004488900
IKAFLON® 30 Set (5 Pcs) round PTFE-coated	30 x 8 mm	0004489000
IKAFLON® 40 Set (5 Pcs) round PTFE-coated	40 x 8 mm	0004489100
IKAFLON® 50 Set (5 Pcs) round PTFE-coated	50 x 8 mm	0004489200
IKAFLON® 80 Set (5 Pcs) round PTFE-coated	80 x 10 mm	0004489300
IKAFLON® 110 round PTFE-coated*	110 x 27 mm	0000793300
IKAFLON® 155 round PTFE-coated*	155 x 27 mm	0001129000

\* Used for large magnetic stirrers like Midi MR 1 and Maxi MR 1 digital

### IKAFLON® glass round

	Dimensions (L x Ø)	Ident. No.
IKAFLON® glass 25 Set (5 Pcs) round	25 x 8 mm	0004492200
IKAFLON® glass 30 Set (5 Pcs) round	30 x 8 mm	0004492400
IKAFLON® glass 40 Set (5 Pcs) round	40 x 8 mm	0004492600
IKAFLON® glass 50 Set (5 Pcs) round	50 x 8 mm	0004492800

### IKAFLON® power SmSo

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 15 Set (5 Pcs) power SmSo PTFE-coated	15 x 9 mm	0004493000
IKAFLON® 30 Set (5 Pcs) power SmSo PTFE-coated	30 x 12 mm	0004493200
IKAFLON® 50 Set (5 Pcs) power SmSo PTFE-coated	50 x 21 mm	0004493400

### IKAFLON® slide round

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 25 Set (5 Pcs) slide round PTFE-coated	25 x 6 mm	0004493800
IKAFLON® 30 Set (5 Pcs) slide round PTFE-coated	30 x 6 mm	0004494000
IKAFLON® 40 Set (5 Pcs) slide round PTFE-coated	40 x 8 mm	0004494200
IKAFLON® 50 Set (5 Pcs) slide round PTFE-coated	50 x 8 mm	0004494400

### IKAFLON® ellipse

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 20 Set (5 Pcs) ellipse PTFE-coated	20 x 10 mm	0004494600
IKAFLON® 25 Set (5 Pcs) ellipse PTFE-coated	25 x 12 mm	0004494800
IKAFLON® 30 Set (5 Pcs) ellipse PTFE-coated	30 x 15 mm	0004495000
IKAFLON® 35 Set (5 Pcs) ellipse PTFE-coated	35 x 15 mm	0004495200
IKAFLON® 40 Set (5 Pcs) ellipse PTFE-coated	40 x 20 mm	0004495400
IKAFLON® 50 Set (5 Pcs) ellipse PTFE-coated	50 x 20 mm	0004495600
IKAFLON® 60 Set (5 Pcs) ellipse PTFE-coated	60 x 20 mm	0004495800
IKAFLON® 70 Set (5 Pcs) ellipse PTFE-coated	70 x 20 mm	0004496000

### IKAFLON® cross

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 10 Set (5 Pcs) cross PTFE-coated	10 x 10 mm	0004496200
IKAFLON® 20 Set (5 Pcs) cross PTFE-coated	20 x 20 mm	0004496400
IKAFLON® 25 Set (5 Pcs) cross PTFE-coated	25 x 25 mm	0004496600
IKAFLON® 30 Set (5 Pcs) cross PTFE-coated	30 x 30 mm	0004496800
IKAFLON® 38 Set (5 Pcs) cross PTFE-coated	38 x 38 mm	0004497000

### IKAFLON® bone

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 37 Set (5 Pcs) bone PTFE-coated	37 x 8 x 20 mm	0004497200
IKAFLON® 54 Set (5 Pcs) bone PTFE-coated	54 x 8 x 20 mm	0004497400

### TRIKA®

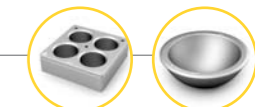
	Dimensions (L x Ø)	Ident. No.
TRIKA® 25 Set (5 Pcs) PTFE-coated	25 x 8 mm	0004499300
TRIKA® 40 Set (5 Pcs) PTFE-coated	40 x 8 mm	0004499400
TRIKA® 55 Set (5 Pcs) PTFE-coated	55 x 14 mm	0004499500
TRIKA® 80 Set (5 Pcs) PTFE-coated	80 x 18 mm	0004499600

### IKAFLON® beaker

	(Ø x Height in mm, for beaker)	Ident. No.
IKAFLON® 67 beaker PTFE-coated	67 x 21 mm with 50 x 8	0004497600
IKAFLON® 74 beaker PTFE-coated	74 x 29 mm with 60 x 9	0004497800
IKAFLON® 103 beaker PTFE-coated	103 x 32 mm with 80 x 10	0004498000
IKAFLON® 125 beaker PTFE-coated	125 x 48 mm with 106 x 25	0004498200

### IKAFLON® crown

	(Ø x Height in mm)	Ident. No.
IKAFLON® 9 Set (5 Pcs) crown PTFE-coated	9 x 6 mm	0004498400



## Synthesis blocks

### Dry heating block square series

	Hole Ø	Dimensions	Ident. No.
H 135.10 Square carrier with handle	–	160 x 160 mm	0004448200
H 135.101 Square carrier without handle	–	160 x 160 mm	0025000832
H 135.101 Block 16 x 4 ml	15.2 mm	79 x 79 mm	0025000626
H 135.102 Block 16 x 8 ml	17.5 mm	79 x 79 mm	0025000627
H 135.103 Block 9 x 16 ml	20.5 mm	79 x 79 mm	0025000628
H 135.104 Block 4 x 20 ml	28.5 mm	79 x 79 mm	0025000629
H 135.105 Block 4 x 30 ml	28.5 mm	79 x 79 mm	0025000630
H 135.106 Block 4 x 40 ml	28.5 mm	79 x 79 mm	0025000631
H 135.107 Block 100 ml	–	79 x 79 mm	0025000632
H 135.108 Block 250 ml	–	79 x 79 mm	0025000633



### 100 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.20 Flask carrier 100 ml with handle	142 mm	–	0004448300
H 135.201 Flask carrier 100 ml without handle	142 mm	–	0025000634
H 135.201 Flask inlay 10 ml	–	33.8 mm	0025000636
H 135.202 Flask inlay 25 ml	–	43.8 mm	0025000637
H 135.203 Flask inlay 50 ml	–	52.8 mm	0025000638



### 500 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.30 Flask carrier 500 ml with handle	142 mm	–	0004448400
H 135.301 Flask carrier 500 ml without handle	142 mm	–	0025000639
H 135.301 Flask inlay 100 ml	–	66.3 mm	0025000641
H 135.302 Flask inlay 250 ml	–	88 mm	0025000642



### 1000 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.40 Flask carrier 1000 ml with handle	166.3 mm	–	0004448500
H 135.401 Flask carrier 1000 ml without handle	166.3 mm	–	0025000833
H 135.401 Flask inlay 500 ml	–	108 mm	0025000644



### 2000 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.50 Flask carrier 2000 ml with handle	194.7 mm	–	0004448600
H 135.501 Flask carrier 2000 ml without handle	194.7 mm	–	0025000834
H 135.501 Flask inlay 1000 ml	–	131.8 mm	0025000645



### 3000 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.60 Flask carrier 3000 ml with handle	218.3 mm	–	0004448700
H 135.601 Flask carrier 3000 ml without handle	218.3 mm	–	0025000835
H 135.601 Flask inlay 2000 ml	–	162 mm	0025000648



### 5000 ml Flask heating block series

	Max. Outer Ø	Inner Ø	Ident. No.
H 135.70 Flask carrier 5000 ml with handle	259.7 mm	–	0004448800
H 135.701 Flask carrier 5000 ml without handle	259.7 mm	–	0025000836
H 135.701 Flask inlay 3000 ml	–	194.5 mm	0025000651

AVAILABLE 2014





# Electronic Overhead Stirrers



Clockwise and counter clockwise rotation



Wireless Controller (WiCo)  
Removable wireless controller for easy and user-friendly operation

**EUROSTAR 100 control**



Laboratory stirrer designed for highly viscous applications and intensive mixing



Extremely powerful laboratory stirrer designed with high torque



## Technical data

Stirring quantity max. (H <sub>2</sub> O)	15 l   25 l
Max. viscosity	10,000 mPas   30,000 mPas
Motor rating input / output	70 / 42 W   118 / 84 W
Permissible ON time	100 %
Speed range	0/30 – 2000 rpm
Max. torque at stirring shaft	20 Ncm   40 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40

## EUROSTAR 20 digital | 40 digital

replaces RW 14; RW 16; EUROSTAR digital	
Stirring quantity max. (H <sub>2</sub> O)	15 l   25 l
Max. viscosity	10,000 mPas   30,000 mPas
Motor rating input / output	70 / 42 W   118 / 84 W
Permissible ON time	100 %
Speed range	0/30 – 2000 rpm
Max. torque at stirring shaft	20 Ncm   40 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	86 x 208 x 248 mm
Weight	4.4 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0004442000   0004444000

## EUROSTAR 60 digital | control

replaces EUROSTAR power basic; EUROSTAR power control-visc	
Stirring quantity max. (H <sub>2</sub> O)	40 l
Max. viscosity	50,000 mPas
Motor rating input / output	176 / 126 W
Permissible ON time	100 %
Speed range	0/30 – 2000 rpm
Max. torque at stirring shaft	60 Ncm
Display	LED   TFT
Temp. sensor connection	no   PT 1000
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	86 x 208 x 248 mm   86 x 230 x 267 mm
Weight	4.4 kg   4.7 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0004446000   0004440000

## EUROSTAR 100 digital | control

replaces EUROSTAR control-visc P1	
Stirring quantity max. (H <sub>2</sub> O)	100 l
Max. viscosity	70,000 mPas
Motor rating input / output	186 / 136 W
Permissible ON time	100%
Speed range	0/30 – 1300 rpm
Max. torque at stirring shaft	100 Ncm
Display	LED   TFT
Temp. sensor connection	no   PT 1000
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	86 x 208 x 248 mm   86 x 230 x 267 mm
Weight	4.4 kg   4.7 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0004238100   0004028500

## Technical data

Stirring quantity max. (H <sub>2</sub> O)	100 l
Max. viscosity	100,000 mPas
Motor rating input/output	130 / 84 W
Permissible ON time	100%
Speed range	0/6 – 2000 rpm
Max. torque at stirring shaft	200 Ncm
Display	LED   TFT
Temp. sensor connection	no   PT 1000
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	91 x 209 x 274 mm   91 x 231 x 274 mm
Weight	4.6 kg   4.9 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40

## EUROSTAR 200 digital | control

replaces EUROSTAR control-visc P4	
Stirring quantity max. (H <sub>2</sub> O)	100 l
Max. viscosity	100,000 mPas
Motor rating input/output	130 / 84 W
Permissible ON time	100%
Speed range	0/6 – 2000 rpm
Max. torque at stirring shaft	200 Ncm
Display	LED   TFT
Temp. sensor connection	no   PT 1000
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	91 x 209 x 274 mm   91 x 231 x 274 mm
Weight	4.6 kg   4.9 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0003990000   0003992000

## EUROSTAR 200 control P4

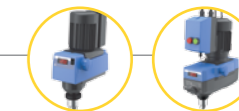
replaces EUROSTAR control-visc P7	
Stirring quantity max. (H <sub>2</sub> O)	100 l
Max. viscosity	150,000 mPas
Motor rating input/output	134 / 76 W
Permissible ON time	100%
Speed range	0/4 – 530 rpm
Max. torque at stirring shaft	660 Ncm
Display	TFT
Temp. sensor connection	PT 1000
Chuck range	0.5 – 10 mm
Hollow shaft	no
Dimensions (W x D x H)	91 x 230 x 379 mm
Weight	5.8 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0004090000

## EUROSTAR 20 high speed digital

replaces EUROSTAR power control-visc 6000	
Stirring quantity max. (H <sub>2</sub> O)	20 l
Max. viscosity	10,000 mPas
Motor rating input/output	176 / 125 W
Permissible ON time	100%
Speed range	0/150 – 6000 rpm
Max. torque at stirring shaft	20 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	fixed
Hollow shaft	no
Dimensions (W x D x H)	86 x 208 x 325 mm
Weight	5.3 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40
Ident. No.	0004028600

For accessories, see pages 28-31

# Mechanical Overhead Stirrers



Technical data	
Stirring quantity max. (H <sub>2</sub> O)	20 l
Max. viscosity	10,000 mPas
Motor rating input/output	70 / 35 W
Permissible ON time	100%
Speed range	60 – 2000 rpm (50 Hz)
Max. torque at stirring shaft	150 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	0.5 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	88 x 212 x 294 mm
Weight	3.1 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 20

RW 20 digital	
Ident. No.	0003593000

RW 28 digital



Special motor over-heating protection



Dual-speed range



Technical data	
Stirring quantity max. (H <sub>2</sub> O)	80 l
Max. viscosity	50,000 mPas
Motor rating input/output	220 / 90 W
Permissible ON time	100%
Speed range	60 – 1400 rpm (50 Hz)
Max. torque at stirring shaft	900 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	1 – 10 mm
Hollow shaft	yes
Dimensions (W x D x H)	123 x 252 x 364 mm
Weight	7.5 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 40

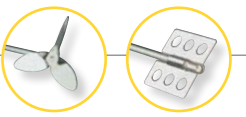
RW 28 digital	
replaces RW 28 basic	
Ident. No.	0005040000
Package Ident. No.	0009023200

RW 47 digital	
replaces RW 47 D	
Ident. No.	0004050000
Package Ident. No.	0009023300

Package details on page 90  
For accessories, see pages 28-31



# Overhead Stirrers | Accessories



## Propeller stirrer, 4-bladed

Standard stirring element for drawing the material to be mixed from the top to the bottom. It creates local shearing forces and axial flow in the vessel. This propeller stirrer is used at medium to high speeds.



## Propeller stirrer, 3-bladed

Flow-efficient design for drawing the material to be mixed from the top and the bottom while creating minimum shearing forces. This propeller stirrer is used at medium to high speeds.



## Dissolver stirrer

This stirrer provides radial flow for drawing the material to be mixed from the top and the bottom while creating high turbulence and high shearing forces for particle reduction. Medium to high speeds required.



## Turbine stirrer

This stirrer is used for drawing the material to be mixed from above while generating axial flow within the vessel. It carries a minimum level of danger of injury when contact is made with vessel. It also creates minimum shearing forces and is used at medium to high speeds.



## Centrifugal stirrer

Two-bladed stirrer whose blades open with increasing speed. Perfect for stirring in round vessels with narrow necks and the effect is similar to that of a 4-bladed propeller stirrer. Medium to high speeds required.



## Paddle stirrer

This stirrer creates tangential flow, minimum turbulence, good heat exchange and gentle treatment of the product. Low to medium speeds required.



## Anchor stirrer

This stirrer creates tangential flow, high shearing rate at the edges, minimum deposits on the vessel wall making them great for polymer reactions and even distribution of high mineral contents in liquids. Ideal for medium to highly viscous fluids. Low speeds required.

• IKA® recommendations only

	Ident. No.	Stirrer Ø	Shaft Ø	Shaft length	Max. speed	EUROSTAR 20 digital	EUROSTAR 40 digital
<b>Propeller stirrer, 4-bladed</b>							
R 1342	0000741000	50 mm	8 mm	350 mm	2000 rpm	•	•
R 1345	0000741300	100 mm	8 mm	540 mm	800 rpm		
R 2302	0000739000	150 mm	13 mm	800 mm	600 rpm		

<b>Propeller stirrer, 3-bladed</b>							
R 1381	0001296000	45 mm	8 mm	350 mm	2000 rpm	•	•
R 1382	0001295900	55 mm	8 mm	350 mm	2000 rpm	•	•
R 1385	0000477700	140 mm	10 mm	550 mm	800 rpm		
R 1388	0000477800	140 mm	10 mm	800 mm	400 rpm		
R 1389 (PTFE-coated)	0002343600	75 mm	8 mm	350 mm	800 rpm	•	•
R 1401	0001242900						
R 1405	0001289800						

<b>Dissolver stirrer</b>							
R 1300	0000513500	80 mm	8 mm	350 mm	2000 rpm		•
R 1302	0002387900	100 mm	10 mm	350 mm	1000 rpm		
R 1303	0002746700	42 mm	8 mm	350 mm	2000 rpm	•	•
R 1402	0001243300						

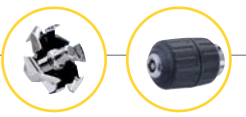
<b>Turbine stirrer</b>							
R 1311	0002332900	30 mm	8 mm	350 mm	2000 rpm	•	•
R 1312	0002333000	50 mm	8 mm	350 mm	2000 rpm	•	•
R 1313	0002333100	70 mm	10 mm	400 mm	800 rpm		

<b>Centrifugal stirrer</b>							
R 1352	0000756900	60 / 15 mm	8 mm	350 mm	2000 rpm	•	•
R 1355	0001132700	100 / 15 mm	8 mm	550 mm	800 rpm		

<b>Paddle stirrer</b>							
R 1375	0000757700	70 mm	8 mm	550 mm	800 rpm		
R 1376	0000757800	150 mm	10 mm	550 mm	800 rpm		
R 2311	0000739500	150 mm	13 mm	800 mm	600 rpm		

<b>Anchor stirrer</b>							
R 1330	0002022300	45 mm	8 mm	350 mm	1000 rpm	•	•
R 1331	0002022400	90 mm	8 mm	350 mm	1000 rpm		
R 1333	0002747400	150 mm	10 mm	550 mm	800 rpm		

EUROSTAR 60 digital	EUROSTAR 60 control	EUROSTAR 100 digital	EUROSTAR 100 control	EUROSTAR 200 digital	EUROSTAR 200 control	EUROSTAR 200 control P4	EUROSTAR 20 high speed digital	RW 20 digital	RW 28 digital	RW 47 digital
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### EUROSTAR 20 high speed digital accessories

	Ident. No.
1 R 1401 Propeller, Ø 55 mm	0001242900
2 R 1405 Propeller, Ø 45 mm	0001289800
3 R 1402 Dissolver, Ø 42 mm	0001243300

### Temperature sensors for EUROSTAR control series

	Ident. No.
4 H 62.51 Temperature sensor, stainless steel, Ø 3 mm, 260 mm length	0002735451
5 H 66.51 Temperature sensor, stainless steel, glass-coated, Ø 6 mm, 260 mm length	0002735551
H 66.53 Temperature sensor, coated with SafeCoat, Ø 3 mm, 260 mm length	0004499900
6 H 70* Extension cable, 1 m	0002735600

\* For using the temperature sensors, H 70 cable is required

### RW 47 digital accessories

7 R 302 Stirring shaft protection, macrolon	0002953800
8 SI 400 Safety switch	0003294800
9 SI 472 Fixing device for R 472 stand	0003264000
10 SI 474 Fixing device for R 474 and T 653 stand	0003264400

### RW 20 digital & EUROSTAR series accessories

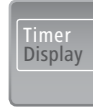
	Ident. No.
11 FK 1 Flexible coupling, clamping range 6-10 mm	0002336000
12 R 60 Keyless chuck for EUROSTAR 20 / 40 / 60 / 100 series	0003889500
13 R 301 Stirring shaft protection, plexiglass	0002603000
14 R 301.1 Support holder for R 301	0002604000





# Shakers

## Rocker 3D digital



Timer display for accurate and reproducible conditions



Three-dimensional tumbling rocking/see-saw motion



Touch keypad for easy operation



Technical data	
Type of movement	rocking
Shaking diameter	8° (angle)   2.5 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	5 – 80 rpm
Speed display	7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	280 x 330 x 150 mm
Weight	2.2 kg   2.2 kg

Rocker 2D basic   digital	
Type of movement	rocking
Shaking diameter	8° (angle)   2.5 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	5 – 80 rpm
Speed display	7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	280 x 330 x 150 mm
Weight	2.2 kg   2.2 kg

\* RD 1 Universal mat included in the delivery of all Rockers

Rocker 3D basic   digital	
Type of movement	tumbling
Shaking diameter	8° (angle)   0 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	30 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	280 x 330 x 165 mm 280 x 330 x 185 mm
Weight	2.2 kg

Ident. No. 0004000000\* | 0004001000\*

Roller 6 basic   digital	
Type of movement	rocking and rolling
Shaking diameter	24.5 mm (high)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	30 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	240 x 545 x 115 mm
Weight	4.5 kg

Ident. No. 0004010000\*\* | 0004011000\*\*

\*\* SH Shield included in the delivery of all Rollers

## Loopster digital



Choice of tube holders to hold a number of different sized tubes



90 degree adjustable mixing angle



Touch keypad for easy operation



Rotating action



Available 2014



Available 2014

Available 2014

Technical data	
Type of movement	rocking and rolling
Shaking diameter	24.5 mm (high)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	30 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	380 x 545 x 115 mm
Weight	7 kg

Roller 10 basic   digital	
Type of movement	rocking and rolling
Shaking diameter	24.5 mm (high)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	30 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	380 x 545 x 115 mm
Weight	7 kg

Ident. No. 0004012000\*\* | 0004013000\*\*

Trayster basic   digital	
Type of movement	rotating
Shaking diameter	–
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	20 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	460 x 160 x 150 mm
Weight	1.7 kg

Ident. No. 0004005000 | 0004006000




Loopster basic   digital	
Type of movement	rotating
Shaking diameter	–
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
Permissible ON time	100%
Speed range	20 rpm (fixed)   5 – 80 rpm
Speed display	none   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED
Dimensions (W x D x H)	300 x 300 x 360 mm
Weight	3 kg

Ident. No. 0004015000 | 0004016000

For accessories, see pages 38-39

# Shakers



-  Orbital action
-  Wide range of attachments
-  Continuous or touch operation
- MS 3 digital**



### Technical data




Type of movement	orbital
Shaking diameter	4.5 mm
Permissible shaking weight (incl. attachment)	0.1 kg
Motor rating input / output	1.2 / 0.8 W
Speed range	1000 – 2800 rpm
Speed display	none
Timer display	none
Operating mode	touch operation
Dimensions (W x D x H)	95 x 110 x 70 mm
Weight	0.55 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

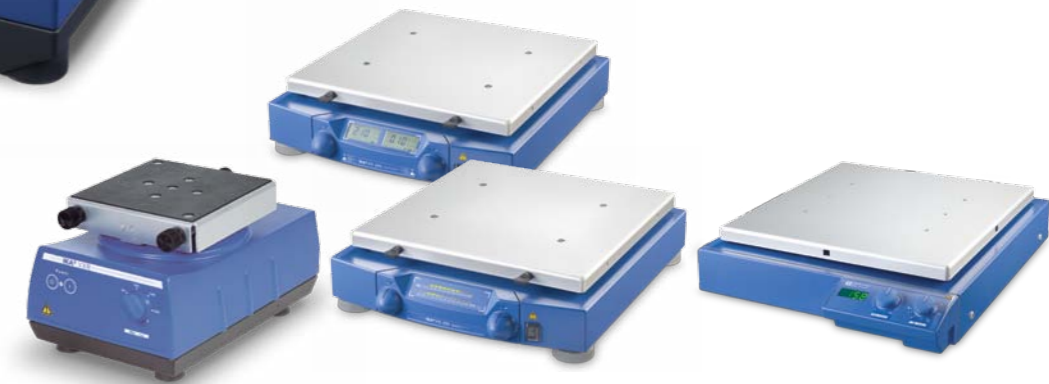
VORTEX 1
orbital
4.5 mm
0.1 kg
1.2 / 0.8 W
1000 – 2800 rpm
none
none
touch operation
95 x 110 x 70 mm
0.55 kg
5 – 40 °C
80%
Ident. No. 0004047700

lab dancer
orbital
4.5 mm
max. 50 ml (1 test tube)
1.2 / 0.8 W
2800 rpm (fixed)
none
none
touch operation
100 x 70 mm (Ø x H)
0.55 kg
5 – 40 °C
80%
Ident. No. 0003365000

MS 3 basic   digital
orbital
4.5 mm
0.5 kg
10 / 8 W
0 – 3000 rpm
scale   digital
none   digital
continuous / touch operation   timer and continuous / touch operation
148 x 205 x 63 mm
2.9 kg
5 – 40 °C
80%
Ident. No. 0003617000   0003319000



-  Orbital action
-  Wide speed range enables intensive mixing, even for small vessels
-  Different applications easily handled with interchangeable attachments and inserts
- VORTEX Genius 3**



### Technical data

Type of movement	orbital
Shaking diameter	4 mm
Permissible shaking weight (incl. attachment)	0.4 kg
Motor rating input / output	58 / 10 W
Speed range	500 – 2500 rpm
Speed display	scale (0 – 6)
Timer display	none
Operating mode	continuous / touch operation
Dimensions (W x D x H)	127 x 149 x 136 mm
Weight	4.5 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

VORTEX Genius 3
orbital
4 mm
0.4 kg
58 / 10 W
500 – 2500 rpm
scale (0 – 6)
none
continuous / touch operation
127 x 149 x 136 mm
4.5 kg
5 – 40 °C
80%
Ident. No. 0003340000

VXR basic Vibrax®
orbital
4 mm
2 kg
35 / 13.2 W
0 – 2200 rpm
scale
none
continuous operation
157 x 247 x 130 mm
6.1 kg
5 – 40 °C
80%
Ident. No. 0002819000

HS 260 basic   control
reciprocating
20 mm
7.5 kg
45 / 10 W
20 – 300 rpm   10 – 300 rpm
LED line   digital
LED line   digital
timer and continuous operation
360 x 420 x 100 mm
8.5 kg   8.8 kg
5 – 50 °C
80%
HS 260 basic Ident. No. 0003066600 HS 260 control Ident. No. 0004278600

HS 501 digital
reciprocating
30 mm
15 kg
70 / 19 W
0 – 300 rpm
digital
digital
timer and continuous operation
505 x 585 x 120 mm
26 kg
5 – 50 °C
80%
Ident. No. 0002527000

For accessories, see pages 40-43



# Shakers



Digital display allows reading of speed, timer function and operating modes



All functions can be controlled and documented with labworldsoft®



Wide range of attachment combinations

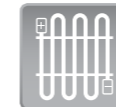


Orbital action

KS 260 control



KS 3000 ic control



Built-in cooling coil for connection to an external cooling unit (available only for KS 3000 ic control)



Orbital action



Assure highly accurate temperature control



Wide range of attachments allows using almost all shapes and sizes of vessels



## Technical data

Type of movement	orbital
Shaking diameter	3 mm
Motor rating input / output	35 / 13.2 W
Speed range	0 – 1100 rpm
Speed display	scale
Timer	∞ / 1 – 99 min
Dimensions (W x D x H)	185 x 320 x 105 mm
Weight	2.7 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

## MTS 2/4 digital Microtiter shaker

Type of movement	orbital
Shaking diameter	3 mm
Motor rating input / output	35 / 13.2 W
Speed range	0 – 1100 rpm
Speed display	scale
Timer	∞ / 1 – 99 min
Dimensions (W x D x H)	185 x 320 x 105 mm
Weight	2.7 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0003208000

## KS 130 basic KS 130 control

Type of movement	orbital
Shaking diameter	4 mm
Motor rating input / output	45 / 10 W
Speed range	80 – 800 rpm
Speed display	LED line   digital
Timer	∞ / 5 – 50 min   ∞ / 0 – 9 h 59 min
Dimensions (W x D x H)	270 x 316 x 98 mm
Weight	8.8 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80%

KS 130 basic Ident. No. 0002980000

KS 130 basic Package: Ident. No. 0009019000

KS 130 control Ident. No. 0004278200

KS 130 control Package: Ident. No. 0009025500

## KS 260 basic KS 260 control

Type of movement	orbital
Shaking diameter	10 mm
Motor rating input / output	45 / 10 W
Speed range	20 – 500 rpm   10 – 500 rpm
Speed display	LED line   digital
Timer	∞ / 5 – 50 min   ∞ / 0 – 9 h 59 min
Dimensions (W x D x H)	360 x 420 x 98 mm
Weight	8.5 kg   8.8 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80%

KS 260 basic Ident. No. 0002980200

KS 260 basic Package: Ident. No. 0009019200

KS 260 control Ident. No. 0004278400

KS 260 control Package: Ident. No. 0009025600

## Technical data

Type of movement	orbital
Shaking diameter	30 mm
Permissible shaking weight (incl. attachment)	15 kg
Motor rating input / output	70 / 19 W
Permissible ON time	100%
Speed range	0 – 300 rpm
Speed display	digital
Timer	∞ / 1 – 56 min
Timer display	digital
Operating mode	timer and continuous operation
Dimensions (W x D x H)	505 x 585 x 120 mm
Weight	26 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80%

## KS 501 digital

Type of movement	orbital
Shaking diameter	30 mm
Permissible shaking weight (incl. attachment)	15 kg
Motor rating input / output	70 / 19 W
Permissible ON time	100%
Speed range	0 – 300 rpm
Speed display	digital
Timer	∞ / 1 – 56 min
Timer display	digital
Operating mode	timer and continuous operation
Dimensions (W x D x H)	505 x 585 x 120 mm
Weight	26 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80%

Ident. No. 0002526400

## KS 3000 i control | ic control

Type of movement	orbital
Shaking diameter	20 mm
Permissible shaking weight (incl. attachment)	7.5 kg
Motor rating input / output	45 / 10 W
Permissible ON time	100%
Speed range	10 – 500 rpm
Speed display	LED
Timer	1 s – 999 h
Timer display	LED
Operating mode	timer and continuous operation
Dimensions (W x D x H)	465 x 430 x 695 mm
Weight	35 kg   37 kg
Permissible ambient temp.	15 – 32 °C
Permissible relative moisture	80%

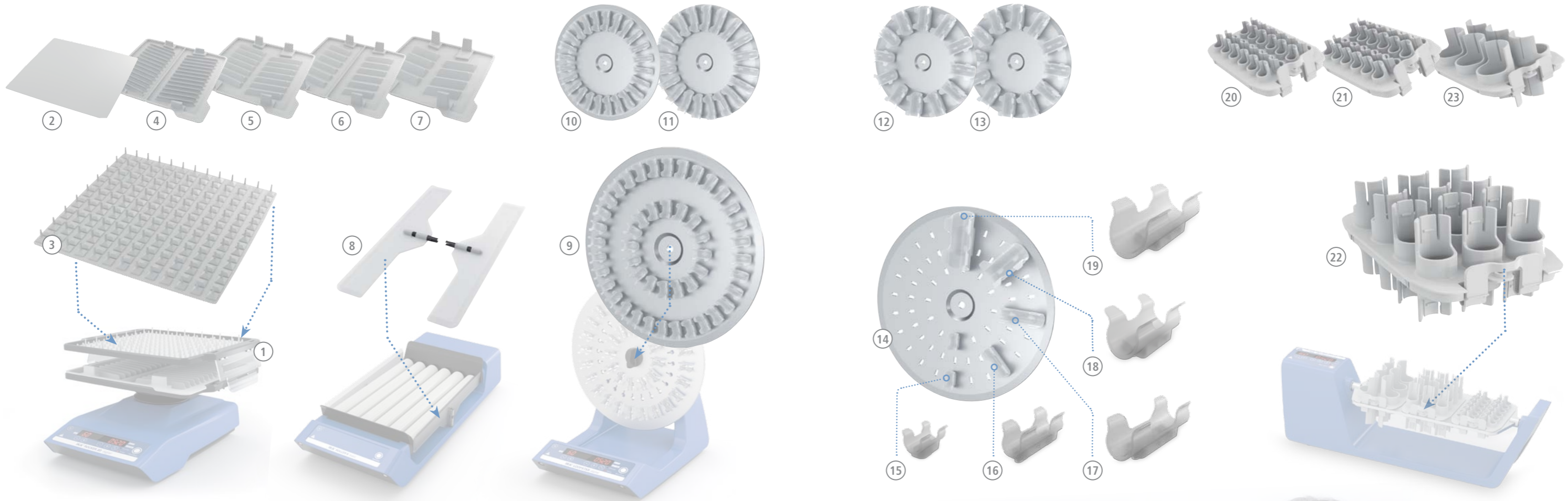
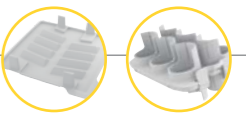
Ident. No. 0003940000 | 0003940100

## KS 4000 i control | ic control

Type of movement	orbital
Shaking diameter	20 mm
Permissible shaking weight (incl. attachment)	20 kg
Motor rating input / output	82 / 24 W
Permissible ON time	100%
Speed range	10 – 500 rpm
Speed display	LED
Timer	1 s – 999 h
Timer display	LED
Operating mode	timer and continuous operation
Dimensions (W x D x H)	580 x 525 x 750 mm
Weight	50 kg   55 kg
Permissible ambient temp.	15 – 32 °C
Permissible relative moisture	80%

Ident. No. 0003510000 | 0003510100

# Shakers | Accessories



## Rocker accessories

	Ident. No.
1 A 2	0004581700
Second level attachment	
2 RD 1*	0004532000
Universal mat	
3 RD 2	0004532100
Burled mat	
4 TB 1	0004532200
Tray, 28 x 5 ml, Ø 12 mm	
5 TB 2	0004532300
Tray, 16 x 15 ml, Ø 16 mm	
6 TB 3	0004532400
Tray, 14 x 30 ml, Ø 25 mm	
7 TB 4	0004532500
Tray, 10 x 50 ml, Ø 28 mm	

\* Included in the delivery

## Roller accessories

8 SH Shield*	0004013500
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## Loopster accessories

	Ident. No.
9 DS 1	0004524000
Tube attachment, 48 x 1.5 ml, Ø 10 mm	
10 DS 2	0004524100
Tube attachment, 24 x 5 ml, Ø 12 mm	
11 DS 3	0004524200
Tube attachment, 20 x 15 ml, Ø 16 mm	
12 DS 4	0004524300
Tube attachment, 12 x 30 ml, Ø 25 mm	
13 DS 5	0004524400
Tube attachment, 12 x 50 ml, Ø 28 mm	

14 DS 6	0004524500
Universal disc	
15 DS 6.1	0004524600
Spare clips, Ø 10 mm, 12 pcs.	
16 DS 6.2	0004524700
Spare clips, Ø 12 mm, 12 pcs.	
17 DS 6.3	0004524800
Spare clips, Ø 16 mm, 12 pcs.	
18 DS 6.4	0004524900
Spare clips, Ø 25 mm, 12 pcs.	
19 DS 6.5	0004525000
Spare clips, Ø 28 mm, 12 pcs.	

## Trayster accessories

	Ident. No.
20 TR 1	0004525100
Tube insert, 24 x 1.5 ml, Ø 10 mm	
21 TR 2	0004525200
Tube insert, 24 x 5 ml, Ø 12 mm	
22 TR 3	0004525300
Tube insert, 12 x 15 ml, Ø 16 mm	
23 TR 4	0004525400
Tube insert, 6 x 50 ml, Ø 28 mm	

AVAILABLE 2014





# Shakers | Accessories



## MS 3 basic / digital accessories

	Ident. No.
MS 3.1 Standard attachment	0003426300
MS 3.3 Universal attachment	0003426600
MS 1.21 One-hand insert	000L001540
MS 1.31 Test tube insert, 14 x Ø 10 mm	000L001840
MS 1.32 Test tube insert, 6 x Ø 12 mm	000L001850
MS 1.33 Test tube insert, 4 x Ø 16 mm	000L001860
MS 1.34 Test tube insert, without holes	000L001830
MS 3.4 Microtiter plate attachment	0003426400
MS 3.5 PCR plate attachment, 96-well	0003428000

## VORTEX Genius 3 accessories

	Ident. No.
23 VG 3.1 Standard attachment	0003341200
24 VG 3.2 One-hand attachment, 88 mm	0003342300
VG 3.21 Rubber pad, for VG 3.2 One-hand attachment	0004206500
25 VG 3.3 Universal attachment, 150 mm	0003342400
26 VG 3.31* Test tube attachment for 54 Eppendorf tubes	0003344300
27 VG 3.32* Test tube attachment, 18 x Ø 10 mm	0003343900
28 VG 3.33* Test tube attachment, 12 x Ø 12 mm	0003344000
29 VG 3.34* Test tube attachment, 8 x Ø 16 mm	0003344100
30 VG 3.35* Test tube attachment, 8 x Ø 20 mm	0003344200
31 VG 3.36* Erlenmeyer flask attachment, 100 – 250 ml	0003342100
32 VG 3.37* Microtiter plate attachment	0003344400

\* For VG 3.3 Universal attachment



## VXR basic accessories

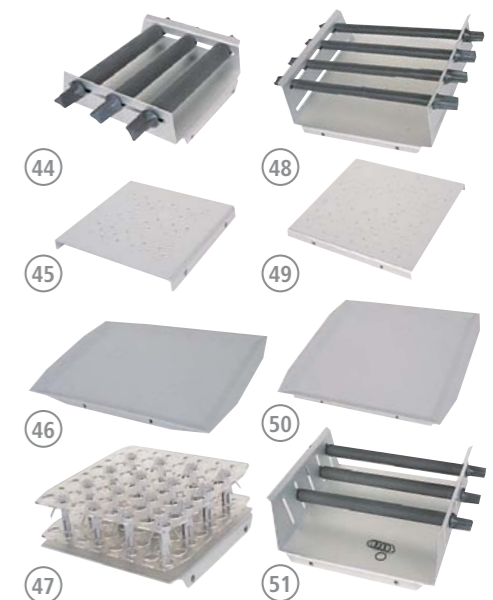
	Ident. No.		Ident. No.
33 VX 1 One-hand attachment, 1 – 250 ml	0000607200	37 VX 8 Universal attachment, 265 x 136 mm	0000910400
34 VX 2 Test tube attachment, 36 x Ø 16 mm	0000568900	38 VX 11 Basic holder	0003627700
35 VX 2E Eppendorf attachment, 64 x 1.5 ml	0001618100	39 VX 11.1 Test tube insert, 70 x Ø 10 mm	0003659000
36 VX 7 Dish attachment, 410 x 210 mm	0000953300	40 VX 11.2 Test tube insert, 41 x Ø 12 mm	0003659100
		41 VX 11.3 Test tube insert, 32 x Ø 16 mm	0003659200
		42 VX 11.4 Test tube insert, 18 x Ø 20 mm	0003659300
		43 VX 8.1 Clamping roll	0003375400

## KS 130 basic / control accessories

	Ident. No.
44 AS 130.1 Universal attachment, set-up plate 220 x 220 mm	0008017300
45 AS 130.2 Fixing clip attachment, set-up plate 230 x 230 mm	0003115000
46 AS 130.3 Dish attachment, set-up plate 220 x 340 mm	0003120000
47 AS 130.4 Test tube attachment, 64 x Ø 10-16 mm	0003120300

## KS / HS 260 basic / control and KS 3000 accessories

	Ident. No.
48 AS 260.1 Universal attachment, set-up plate 320 x 320 mm	0008017400
49 AS 260.2 Fixing clip attachment, set-up plate 330 x 330 mm	0003115500
50 AS 260.3 Dish attachment, set-up plate 320 x 320 mm	0003120600
51 AS 260.5 Separating funnel attachment	0003120900



# Shakers | Accessories

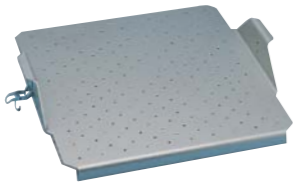


## KS / HS 501 digital accessories

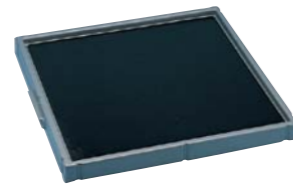
Ident. No.  
**AS 501.1** 0008000200  
 Universal attachment, set-up plate 420 x 420 mm



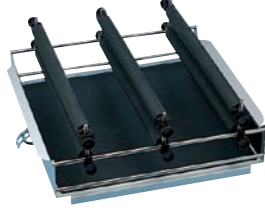
Ident. No.  
**AS 501.4** 0002341100  
 Fixing clip attachment, set-up plate 450 x 450 mm



Ident. No.  
**AS 501.5** 0002339600  
 Dish attachment, set-up plate 420 x 420 mm



Ident. No.  
**AS 501.2** 0008000300  
 Separating funnel attachment, 480 x 505 x 190 mm



Ident. No.  
**AS 501.3** 0008000400  
 Separating funnel attachment, 480 x 505 x 190 mm



Ident. No.  
**AS 501.6** 0008000500  
 Separating funnel attachment, 480 x 505 x 225 mm

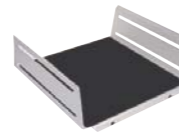


## Other accessories

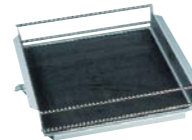
Ident. No.  
**AS 1.30** 0003148000  
 Basic holder for AS 130.1



Ident. No.  
**AS 1.60** 0003149000  
 Basic holder for AS 260.1



Ident. No.  
**AS 1.10** 0002339700  
 Basic holder for AS 501.1



Ident. No.  
**AS 1.31 | AS 1.61 | AS 1.11**  
 0003030500  
 0003030501  
 0002339800  
 Clamping roll for AS 130.1, AS 260.1, AS 501.1



Ident. No.  
**AS 1.6** 0001268400  
 Clamping device for AS 501.1



Ident. No.  
**AS 1.7** 0001269200  
 Clamping device for AS 501.1



Ident. No.  
**AS 1.8** 0001268900  
 Supporting clamping device for AS 501.1



Ident. No.  
**AS 1.12** 0002594500  
 Supporting bar for AS 1.10



Ident. No.  
**AS 1.13** 0002597000  
 Ground section holder for AS 1.10



Ident. No.  
**AS 2.1** 0001234300  
 Fixing clips, 25 ml



Ident. No.  
**AS 2.2** 0001234400  
 Fixing clips, 50 ml



Ident. No.  
**AS 2.3** 0001234500  
 Fixing clips, 100 ml



Ident. No.  
**AS 2.4** 0001234600  
 Fixing clips, 200 / 250 ml



Ident. No.  
**AS 2.5** 0001234700  
 Fixing clips, 500 ml



Ident. No.  
**AS 2.6** 0003819300  
 Fixing clips, 1000 ml



## KS 4000 accessories i / ic control accessories

Ident. No.  
**AS 4000.1** 0008022200  
 Universal attachment, set-up plate 380 x 410 mm



Ident. No.  
**AS 4000.2** 0003710100  
 Fixing clip attachment, set-up plate 430 x 430 mm



Ident. No.  
**AS 4000.3** 0003710000  
 Dish attachment, set-up plate 430 x 430 mm



Ident. No.  
**AS 1.400** 0003710200  
 Basic holder for AS 4000.1

Ident. No.  
**AS 1.401** 0003712000  
 Clamping roll for AS 4000.1

Ident. No.  
**AS 1.402** 0003712300  
 Fastening screw for AS 4000.1

## IKA+

**STICKMAX**  
 Universal adhesive mat,  
 200 x 200 mm



Ident. No. 0003920000

