



Product Overview 2013/1



designed
to work perfectly

IKA®-Werke GmbH & Co. KG in Staufen, Germany can now look back on a century of history.

The company, which was founded in 1910 as a distributor for pharmacies and hospitals, relocated from bombed-out Cologne to Staufen in 1942. There it quickly became the global market leader for laboratory technology as well as dispersing, stirring, and kneading instruments. Today, IKA® employs over 800 people at eight different locations on four continents.

IKA® laboratory technology offers a vast spectrum of innovative devices for numerous applications in research and development. For mixing, tempering, distilling or crushing, market leaders in varying fields of application rely on IKA®'s innovative and proven technology.

For more information, please visit:
www.ika.com



www.facebook.com/IKAworldwide

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Calorimeters | Page 76



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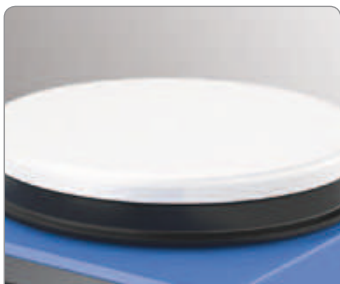
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Magnetic stirrers with heating



RH basic/digital
with white coated
heating plate!

- > Offers excellent
chemical resistance
- > Easy to clean

Available
06.2013



Adjustable safety
temperature



DIN Bushing 12878 for
connecting an electronic
contact thermometer

RH basic



Technical data

Max. stirring quantity (H ₂ O)	10 l
Motor rating input / output	15 W
Speed range	100 – 2000 rpm
Speed display	scale (0 – 6)
Heat output	400 W
Temperature range	RT – 320 °C
Max. magnetic bar (L x Ø)	–
Safety circuit	400 °C
Control accuracy with sensor	–
Heating plate material	stainless steel (AISI 304)
Dimensions	Ø 125 mm
Weight	2.4 kg

RH basic 2

Max. stirring quantity (H ₂ O)	10 l
Motor rating input / output	15 W
Speed range	100 – 2000 rpm
Speed display	scale (0 – 6)
Heat output	400 W
Temperature range	RT – 320 °C
Max. magnetic bar (L x Ø)	–
Safety circuit	400 °C
Control accuracy with sensor	–
Heating plate material	stainless steel (AISI 304)
Dimensions	Ø 125 mm
Weight	2.4 kg

Ident. No. 0003339000

RH basic | RH basic white

Max. stirring quantity (H ₂ O)	15 l
Motor rating input / output	15 / 2 W
Speed range	50 – 2000 rpm
Speed display	scale
Heat output	600 W
Temperature range	50 – 320 °C
Max. magnetic bar (L x Ø)	80 mm
Safety circuit	50 – 370 °C
Control accuracy with sensor	ETS-D5: ± 0.5 K ETS-D6: ± 0.2 K
Heating plate material	stainless steel 1.4301
Dimensions	Ø 135 mm
Weight	2 kg

Ident. No. 0005019700
Ident. No. 0005029700

RH digital | RH digital white

Max. stirring quantity (H ₂ O)	15 l
Motor rating input / output	15 / 2 W
Speed range	50 – 2000 rpm
Speed display	LED
Heat output	600 W
Temperature range	50 – 320 °C
Max. magnetic bar (L x Ø)	80 mm
Safety circuit	50 – 370 °C
Control accuracy with sensor	ETS-D5: ± 0.5 K ETS-D6: ± 0.2 K
Heating plate material	stainless steel 1.4301
Dimensions	Ø 135 mm
Weight	2 kg

Ident. No. 0005019800
Ident. No. 0005029800



IKA®+

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



Available
06.2013

RH
digital



Hot Top indicator
to prevent burns

Digital
Display

Digital display for
precise monitoring of
speed and temperature



Magnetic stirrers with heating



RCT Synthesis Package 1 Quarter System

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

Technical data	
Max. stirring quantity (H ₂ 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
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 ₂ 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
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 IKAMAG® Ident. No. 0003810000 RCT Synthesis Package 1: Ident. No. 0008025100 08 0008039600 RCT Synthesis Package 2: Ident. No. 0008025200 08 0008039700	

RCT basic	
Max. stirring quantity (H ₂ 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
Ident. No. 0005019900	

RET basic safety control	
Max. stirring quantity (H ₂ 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
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
Ident. No. 0003622000	

Technical data	
Max. stirring quantity (H ₂ 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 ₂ 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
Ident. No. 0003964000	

RET control RET control white	
Max. stirring quantity (H ₂ 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
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	3 kg
Ident. No. 0005020000 Ident. No. 0005030000	

RET control with white coated heating plate!

- > Offers excellent chemical resistance
- > Easy to clean

Available
08.2013



RCT
basic



Hot Top indicator
to prevent burns



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



Digital display for precise
monitoring of speed
and temperature

Magnetic stirrers with heating



C-MAG
HS 7
Package

Technical data

Max. stirring quantity (H ₂ 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 ₂ 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. 0003581000

C-MAG HS 7 C-MAG HS 7 Package

Max. stirring quantity (H ₂ 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. 0003581200 | 0009015900

C-MAG HS 10

Max. stirring quantity (H ₂ 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 x 10 mm
Adjustable safety circuit	550 °C (fixed)
Control accuracy with sensor	ETS-D5 / ± 0.5 K
Set-up plate material	glass ceramic
Set-up plate dimensions	260 x 260 mm
Weight	6 kg

Ident. No. 0003581400



LCD display for simultaneous display of target and actual temperatures



Integrated temperature sensor for precise temperature control



C-MAG
HS 7
digital



Hot Top indicator to prevent burns



Elevated control panel for protection against spilled liquids



Technical data

Max. stirring quantity (H ₂ 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 ₂ 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 7 digital

Max. stirring quantity (H ₂ 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. 0003487000

C-MAG HS 10 digital

Max. stirring quantity (H ₂ 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

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



Available
2014



Technical data

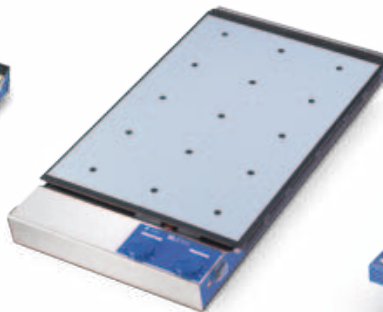
	RO 5	RO 10	RO 15	RT 5 power
Number of stirring positions	5	10	15	5
Max. stirring quantity (H ₂ O)	0.4 l	0.4 l	0.4 l	0.4 l
Distance between stirring places	90 mm	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%	5%
Speed display	LED	LED	LED	scale (1 – 10)
Speed range	0 – 1200 rpm	0 – 1200 rpm	0 – 1200 rpm	0 – 1100 rpm
Speed adjustment	10 rpm steps	10 rpm steps	10 rpm steps	–
Max. stirring bar length	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



Available
2014



Available
2014



RT 10 power	RT 15 power	RT 5	RT 10	RT 15
10	15	5	10	15
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 (1 – 10)	scale (1 – 10)	LED	LED	LED
0 – 1100 rpm	0 – 1100 rpm	0 – 1000 rpm	0 – 1000 rpm	0 – 1000 rpm
–	–	–	–	–
–	–	–	–	–
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

Magnetic stirrers without heating



big
squid



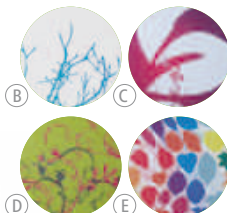
Electronically controlled,
high power motor for a higher
capacity and higher speed range



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



The digital display enables
precise setting of speed



Technical data

Max. stirring quantity (H ₂ 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

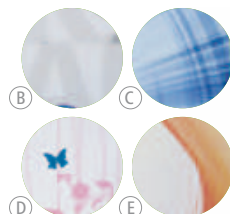
1.5 l
3 / 2 W
0 – 2500 rpm
LED
30 mm
50 rpm steps
glass
Ø 160 mm
180 x 195 x 40 mm
0.7 kg
5 – 40 °C
80%
IP 54
100 – 240 V
50/60 Hz

- (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

1 l
3 / 2 W
0 – 2500 rpm
–
30 mm
–
polyester
115 x 115 mm
114 x 127 x 37 mm
0.25 kg
5 – 40 °C
80%
IP 42
100 – 240 V
50/60 Hz

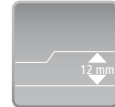
Ident. No. 0003674000



lab disc



Automatic reverse rotation
every 30 seconds



Ultra-flat for stirring quantities
of up to 800 ml (H₂O)



Modern wear-free magnetic
coil technology



Technical data

Max. stirring quantity (H ₂ 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

lab disc

0.8 l
5 / 3 W
15 – 1500 rpm
–
25 mm
stepless
polyester
Ø 100 mm
117 x 180 x 12 mm
0.3 kg
5 – 40 °C
80%
IP 65
100 – 240 V
50/60 Hz

topolino

0.25 l
1 / 0.8 W
300 – 1800 rpm
–
30 mm
stepless
synthetic (PP)
Ø 80 mm
95 x 115 x 37 mm
0.32 kg
5 – 40 °C
80%
IP 21
100 – 240 V
50/60 Hz

Ident. No. 0003368000

topolino mobil

0.25 l
1 / 0.8 W
300 – 1800 rpm
–
30 mm
stepless
synthetic (PP)
Ø 80 mm
Ø 140 x 42 mm
0.60 kg
5 – 40 °C
80%
IP 21
100 – 240 V
50/60 Hz

Ident. No. 0003381300

Magnetic stirrers without heating

Maxi MR 1
digital



For stirring quantities up to
150 l (H₂O)



Infinitely adjustable speed
with digital display



Timer or continuous operation



Technical data

Max. stirring quantity (H ₂ 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 ₂ 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 ₂ 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

C-MAG
MS 10



Ceramic heating plate offers excellent
chemical resistance to acid, bases
and solvents



Powerful motor for stirring
quantities up to 15 l (H₂O)



Elevated control panel for
protection against spilled liquids



Technical data

Max. stirring quantity (H ₂ 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 ₂ 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 ₂ 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 ₂ 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

Magnetic Stirrers | Accessories

Electronic Contact Thermometer ETS-D 5

For all magnetic stirrers with contact thermometer bushing according to DIN 12878, class 2.

Ident. No. 0003378000

Electronic Contact Thermometer ETS-D 6

Similar to ETS-D5, additionally:
- with integrated measuring instrument (without pH electrode)
- large, graphic LCD display with multi-lingual user guide

Ident. No. 0003378100

H 62.51 Stainless steel sensor

Spare sensor for use with ETS-D5 / ETS-D6.

Ident. No. 0002735451

H 66.51 Stainless steel sensor, glass-coated

For use with ETS-D5 / ETS-D6, for work with aggressive media such as acid and alkaline solutions.

Ident. No. 0002735551

H 66.53 Temperature sensor, coated

For use with ETS-D5 or ETS-D6.

Ident. No. 0004499900

H 70 Extension cable

To separate the casing from the sensor (for use with ETS-D5).

Ident. No. 0002735600

PT 1000.60 Temperature sensor

Made of stainless steel, for use with RCT basic.

Ident. No. 0003516800

PT 1000.70 Temperature sensor, glass-coated

For use with RCT basic.

Ident. No. 0003736000

PT 100.50 Temperature sensor

For use with RET control.

Ident. No. 0002601900

PT 1000.50 Temperature sensor, double stainless steel

For use with RET control.

Ident. No. 0003367600

PT 1000.51 Temperature sensor, double stainless steel, glass-coated

For use with RET control.

Ident. No. 0003377700

PT 1000.80 Temperature sensor

For use with RET control.

Ident. No. 0004443000

PT 100.51 Temperature sensor

For use with RET control, glass coated.

Ident. No. 0002600300

H 44 Boss head clamp

For fastening the H 38 holding rod to the H 16 V support rod.

Ident. No. 0002437700

H 16 V Support rod

Stainless steel support rod for all magnetic stirrers with M 10 threaded bushing.

Ident. No. 0001545100

H 16.1 Extension

For work with bath attachment over 180 mm Ø.

Ident. No. 0005000500

RSE Stirring bar remover

For all stirring bars up to 80 mm in length, PTFE-coated.

Ident. No. 0001293100

RS 1 Set of magnetic stirring bars

Consisting of the IKAFLON® and TRIKA® Magnetic stirring bars.

Ident. No. 0001358600

H 38 Holding rod

For fastening ETS-D5 and PT 1000 with H 44 to the H 16 V support rod.

Ident. No. 0003547700

H 11 Mains cable

Spare Euro plug | USA plug | UK plug | CH plug

Ident. No. 0001091500 | 3564500 | 2410700 | 1091600

RS 2 Set of magnetic stirring bars

Ident. No. 0004499100

H 29 Oil bath attachment 1.0 l

Ident. No. 0002829400

H 30 Oil bath attachment 1.5 l

Ident. No. 0002829500

H 1000 Aluminium pot, 1.0 l

Ident. No. 0004444401

H 3000 Stainless steel pot, 3 l

Ident. No. 0004444503

H 5000 Stainless steel pot, 5 l

Ident. No. 0004444505

H 8000 Stainless steel pot, 8 l

Ident. No. 0004444508

PT 1000.90 Temperature sensor, coated

Ident. No. 0004480600

PT 100.53 Temperature sensor, coated

Ident. No. 0004499700

PT 1000.53 Temperature sensor, coated

Ident. No. 0004499800

H 102 Protective cover

For use with RH basic.

Ident. No. 0004281600

H 103 Protective cover

For use with RH digital.

Ident. No. 0004299100

H 104 Protective cover

For use with RET basic, RET control and RCT basic.

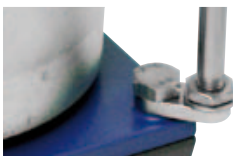
Ident. No. 0004209500

IKAFLON® 110 Magnetic stirring bar (110 x 27 mm)

Ident. No. 0000793300

IKAFLON® 155 Magnetic stirring bar (155 x 27 mm)

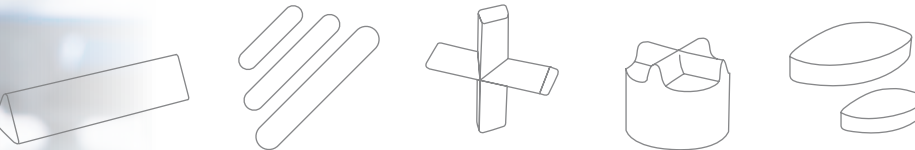
Ident. No. 0001129000



Magnetic Stirrers | Accessories

Packages

	Dimensions (L x Ø)	Ident. No.
IKAFLON® 10 Set (5 Pcs) round PTFE-coated	10 x 6 mm	Ident. No. 0004488600
IKAFLON® 15 Set (5 Pcs) round PTFE-coated	15 x 6 mm	Ident. No. 0004488700
IKAFLON® 20 Set (5 Pcs) round PTFE-coated	20 x 8 mm	Ident. No. 0004488800
IKAFLON® 25 Set (5 Pcs) round PTFE-coated	25 x 8 mm	Ident. No. 0004488900
IKAFLON® 30 Set (5 Pcs) round PTFE-coated	30 x 8 mm	Ident. No. 0004489000
IKAFLON® 40 Set (5 Pcs) round PTFE-coated	40 x 8 mm	Ident. No. 0004489100
IKAFLON® 50 Set (5 Pcs) round PTFE-coated	50 x 8 mm	Ident. No. 0004489200
IKAFLON® 80 Set (5 Pcs) round PTFE-coated	80 x 10 mm	Ident. No. 0004489300
IKAFLON® glass 25 Set (5 Pcs) round	25 x 8 mm	Ident. No. 0004492200
IKAFLON® glass 30 Set (5 Pcs) round	30 x 8 mm	Ident. No. 0004492400
IKAFLON® glass 40 Set (5 Pcs) round	40 x 8 mm	Ident. No. 0004492600
IKAFLON® glass 50 Set (5 Pcs) round	50 x 8 mm	Ident. No. 0004492800
IKAFLON® 15 Set (5 Pcs) power SmSo PTFE-coated	15 x 9 mm	Ident. No. 0004493000
IKAFLON® 30 Set (5 Pcs) power SmSo PTFE-coated	30 x 12 mm	Ident. No. 0004493200
IKAFLON® 50 Set (5 Pcs) power SmSo PTFE-coated	50 x 21 mm	Ident. No. 0004493400
IKAFLON® 25 Set (5 Pcs) slide round PTFE-coated	25 x 6 mm	Ident. No. 0004493800
IKAFLON® 30 Set (5 Pcs) slide round PTFE-coated	30 x 6 mm	Ident. No. 0004494000
IKAFLON® 40 Set (5 Pcs) slide round PTFE-coated	40 x 8 mm	Ident. No. 0004494200
IKAFLON® 50 Set (5 Pcs) slide round PTFE-coated	50 x 8 mm	Ident. No. 0004494400
IKAFLON® 20 Set (5 Pcs) ellipse PTFE-coated	20 x 10 mm	Ident. No. 0004494600
IKAFLON® 25 Set (5 Pcs) ellipse PTFE-coated	25 x 12 mm	Ident. No. 0004494800
IKAFLON® 30 Set (5 Pcs) ellipse PTFE-coated	30 x 15 mm	Ident. No. 0004495000
IKAFLON® 35 Set (5 Pcs) ellipse PTFE-coated	35 x 15 mm	Ident. No. 0004495200
IKAFLON® 40 Set (5 Pcs) ellipse PTFE-coated	40 x 20 mm	Ident. No. 0004495400
IKAFLON® 50 Set (5 Pcs) ellipse PTFE-coated	50 x 20 mm	Ident. No. 0004495600
IKAFLON® 60 Set (5 Pcs) ellipse PTFE-coated	60 x 20 mm	Ident. No. 0004495800
IKAFLON® 70 Set (5 Pcs) ellipse PTFE-coated	70 x 20 mm	Ident. No. 0004496000
IKAFLON® 10 Set (5 Pcs) cross PTFE-coated	10 x 10 mm	Ident. No. 0004496200
IKAFLON® 20 Set (5 Pcs) cross PTFE-coated	20 x 20 mm	Ident. No. 0004496400
IKAFLON® 25 Set (5 Pcs) cross PTFE-coated	25 x 25 mm	Ident. No. 0004496600
IKAFLON® 30 Set (5 Pcs) cross PTFE-coated	30 x 30 mm	Ident. No. 0004496800
IKAFLON® 38 Set (5 Pcs) cross PTFE-coated	38 x 38 mm	Ident. No. 0004497000



	(length x Rod Ø x Disc Ø)	
IKAFLON® 37 Set (5 Pcs) bone PTFE-coated	37 x 8 x 20 mm	Ident. No. 0004497200
IKAFLON® 54 Set (5 Pcs) bone PTFE-coated	54 x 8 x 20 mm	Ident. No. 0004497400
TRIKA® 25 Set (5 Pcs) PTFE-coated	25 x 8 mm	Ident. No. 0004499300
TRIKA® 40 Set (5 Pcs) PTFE-coated	40 x 8 mm	Ident. No. 0004499400
TRIKA® 55 Set (5 Pcs) PTFE-coated	55 x 14 mm	Ident. No. 0004499500
TRIKA® 80 Set (5 Pcs) PTFE-coated	80 x 18 mm	Ident. No. 0004499600
	(Ø x Height in mm, for beaker)	
IKAFLON® 67 beaker PTFE-coated	67 x 21 mm with 50 x 8	Ident. No. 0004497600
IKAFLON® 74 beaker PTFE-coated	74 x 29 mm with 60 x 9	Ident. No. 0004497800
IKAFLON® 103 beaker PTFE-coated	103 x 32 mm with 80 x 10	Ident. No. 0004498000
IKAFLON® 125 beaker PTFE-coated	125 x 48 mm with 106 x 25	Ident. No. 0004498200
	(Ø x Height in mm)	
IKAFLON® 9 Set (5 Pcs) crown PTFE-coated	9 x 6 mm	Ident. No. 0004498400



100 ml Flask Heating Block Series

	Ident. No.
06 H 135.20 Flask Carrier 100 ml without Handle	0004491900
H 135.201 Flask inlay 10 ml	0004041800
H 135.202 Flask inlay 25 ml	0004041900
H 135.203 Flask inlay 50 ml	0004043600

1000 ml Flask Heating Block Series

	Ident. No.
06 H 135.40 Flask Carrier 1000 ml without Handle	0004491700
H 135.401 Flask inlay 500 ml	0004042500

Dry Heating Block Square Series

	Ident. No.
06 H 135.10 Square Carrier without Handle	0004492000
H 135.101 Block 16 x 4 ml	0004046000
H 135.102 Block 16 x 8 ml	0004046100
H 135.103 Block 9 x 16 ml	0004046200
H 135.104 Block 4 x 20 ml	0004045700
H 135.105 Block 4 x 30 ml	0004045800
H 135.106 Block 4 x 40 ml	0004045900
H 135.107 Block 100 ml	0004044000
H 135.108 Block 250 ml	0004044500

2000 ml Flask Heating Block Series

	Ident. No.
06 H 135.50 Flask Carrier 2000 ml without Handle	0004491600
H 135.501 Flask inlay 1000 ml	0004042100

3000 ml Flask Heating Block Series

	Ident. No.
06 H 135.60 Flask Carrier 3000 ml without Handle	0004491500
H 135.601 Flask inlay 2000 ml	0004045500

5000 ml Flask Heating Block Series

	Ident. No.
06 H 135.70 Flask Carrier 5000 ml without Handle	0004491400
H 135.701 Flask inlay 3000 ml	0004044800

500 ml Flask Heating Block Series

	Ident. No.
06 H 135.30 Flask Carrier 500 ml without Handle	0004491800
H 135.301 Flask inlay 100 ml	0004042200
H 135.302 Flask inlay 250 ml	0004042000



Electronic Overhead Stirrers



Clockwise and counter clockwise rotation



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



Laboratory stirrer designed for highly viscous applications and intensive mixing



Extremely powerful laboratory stirrer designed with high torque



Technical data

Stirring quantity max. (H ₂ O)	15 l 25 l
Max. viscosity	10,000 mPas 30,000 mPas
Motor rating input / output	56 / 44 W 112 / 87 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
Ident. No. 0004444000

EUROSTAR 20 digital | 40 digital

EUROSTAR 60 digital | control

Stirring quantity max. (H ₂ O)	40 l
Max. viscosity	50,000 mPas
Motor rating input / output	168 / 131 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
Ident. No. 0004440000

EUROSTAR 100 digital | control

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	70,000 mPas
Motor rating input/output	174 / 142 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
Ident. No. 0004028500

Technical data

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	100,000 mPas
Motor rating input/output	121 / 99 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

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	100,000 mPas
Motor rating input/output	121 / 99 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
Ident. No. 0003992000

EUROSTAR 200 control P4

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	150,000 mPas
Motor rating input/output	121 / 99 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

Stirring quantity max. (H ₂ O)	20 l
Max. viscosity	10,000 mPas
Motor rating input/output	171 / 133 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



Mechanical Overhead Stirrers



Special motor over-heating protection



Dual-speed range

RW 28 digital

Available
05.2013



Technical data

Stirring quantity max. (H ₂ 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

Ident. No. 0003593000

RW 28 basic | RW 28 basic Package

80 l
50,000 mPas
220 / 90 W
100%
60 – 1400 rpm (50 Hz)
900 Ncm
scale
no
1 – 10 mm
yes
123 x 252 x 364 mm
7.4 kg
5 – 40 °C
80%
IP 42

RW 28 basic Ident. No. 0002760000

RW 28 basic Package Ident. No. 0009019400

RW 28 digital | RW 28 digital Package

80 l
50,000 mPas
220 / 90 W
100%
60 – 1400 rpm (50 Hz)
900 Ncm
LED
no
1 – 10 mm
yes
123 x 252 x 364 mm
7.5 kg
5 – 40 °C
80%
IP 40

05 RW 28 digital Ident. No. 0005040000

05 RW 28 digital Package Ident. No. 0009023200

Available
06.2013



RW 47 digital | RW 47 digital Package

200 l
100,000 mPas
513 / 370 W
100%
57 – 1300 rpm (50 Hz)
3000 Ncm
LED
no
3 – 16 mm
no
145 x 358 x 465 mm
16 kg
5 – 40 °C
80%
IP 54

06 RW 47 digital Ident. No. 0004050000

06 RW 47 digital Package Ident. No. 0009023300

RW 47 D | RW 47 D Package

200 l
100,000 mPas
513 / 370 W
100%
57 – 1300 rpm
3000 Ncm
scale
no
3 – 16 mm
no
145 x 340 x 445 mm
15 kg
5 – 40 °C
80%
IP 54

RW 47 D Ident. No. 0001602000

RW 47 D Package Ident. No. 0009019500

Stirring elements | Accessories



A 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.

	R 1342	R 1345	R 2302
Ident. No.	0000741000	0000741300	0000739000

B 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.

	R 1381	R 1382
Ident. No.	0001296000	0001295900

C 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.

	R 1385	R 1388	R 1389 (PTFFE-coated)
Ident. No.	0000477700	0000477800	0002343600

D 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.

	R 1300	R 1302	R 1303
Ident. No.	0000513500	0002387900	0002746700

E 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.

	R 1311	R 1312	R 1313
Ident. No.	0002332900	0002333000	0002333100

F Centrifugal stirrer

Two-bladed stirrer who's 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.

	R 1352	R 1355
Ident. No.	0000756900	0001132700

G Paddle stirrer

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

	R 1375	R 1376	R 2311
Ident. No.	0000757700	0000757800	0000739500

H 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.

	R 1330	R 1331	R 1333
Ident. No.	0002022300	0002022400	0002747400

R 1401 Propeller | R 1405 Propeller R 1402 Dissolver

For use with EUROSTAR power control-visc and EUROSTAR 20 high speed digital.

Ident. No.	0001242900 0001289800 0001243300
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H 62.51 Stainless steel sensor H 66.51 Stainless steel sensor, glass-coated

Spare sensor for temperature measurement.
* Option available only for control units.

Ident. No.	0002735451 0002735551
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H 70 Extension cable

To separate the casing from the sensor.
* Option available only for control units.

Ident. No.	0002735600
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FK 1 Flexible coupling

Required for stirring tasks using glass stirring rods. The flexible coupling compensates for any structural variances.

Ident. No.	0002336000
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R 60 Keyless chuck

Available for EUROSTAR 20 / 40 / 60 / 100 series. It allows you to quickly and easily remove the stirring elements without any tools.

Ident. No.	0003889500
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R 301 Stirring shaft protection

Prevents potential injuries at the rotating shafts and stirring elements.

Ident. No.	0002603000
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R 301.1 Support holder

For fixing the stirring shaft protection R 301 to the stand.

Ident. No.	0002604000
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R 302 Stirring shaft protection

Prevents potential injuries due to the rotating shafts and stirring elements.

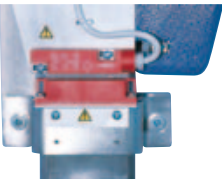
Ident. No.	0002953800
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SI 400 Safety switch

Consists of an end switch and a magnetic switch contact which is mounted on the floor stand R 472 with the fixing device SI 472 and on the telescopic stand R 474 with the fixing device SI 474. The stirring unit RW 47 can only be switched through the SI 400, when the agitator is adjusted in the mixing vessel to the user designated height.

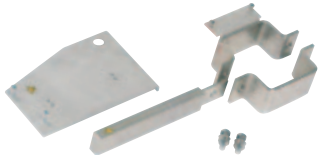
Ident. No.	0003294800
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SI 472 Fixing device

To attach the safety switch SI 400 to the floor stand R 472.

Ident. No.	0003264000
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SI 474 Fixing device

To attach the safety switch SI 400 to the telescopic stand R 474 and to the telescopic stand T 653.

Ident. No.	0003264400
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H 66.53 Temperature sensor, coated

Chemical resistant coated sensor.

Ident. No.	0004499900
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Shakers

Rocker
3D
digital

Timer
Display



Timer display for accurate and reproducible conditions

Three-dimensional tumbling rocking/see-saw motion

Touch keypad for easy operation

Available
06.2013



Available
06.2013



Available
06.2013



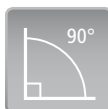
Available
06.2013



Loopster
digital



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



90 degree adjustable mixing angle



Touch keypad for easy operation

Available
10.2013



Available
06.2013



Available
10.2013



Available
10.2013



Technical data

Type of movement	rocking
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	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) 0 – 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

Ident. No. 0004002000 | 0004003000

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

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

Shakers



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
Permissible ON time	100%
Speed range	1000 – 2800 rpm
Speed display	none
Timer	no
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

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
Permissible ON time	100%
Speed range	1000 – 2800 rpm
Speed display	none
Timer	no
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%

Ident. No. 0004047700

VORTEX 4 basic | digital

Type of movement	orbital
Shaking diameter	4.5 mm
Permissible shaking weight (incl. attachment)	0.5 kg
Motor rating input / output	10 / 8 W
Permissible ON time	100%
Speed range	0 – 3000 rpm
Speed display	scale digital
Timer	no ∞ / 1 s – 999 min
Timer display	no digital
Operating mode	continuous / touch operation timer and continuous / touch operation
Dimensions (W x D x H)	176 x 190 x 63 mm
Weight	3 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0004049600 | 0004050100

MS 3 basic | digital

Type of movement	orbital
Shaking diameter	4.5 mm
Permissible shaking weight (incl. attachment)	0.5 kg
Motor rating input / output	10 / 8 W
Permissible ON time	100%
Speed range	0 – 3000 rpm
Speed display	scale digital
Timer	no ∞ / 1 s – 999 min
Timer display	none digital
Operating mode	continuous / touch operation timer and continuous / touch operation
Dimensions (W x D x H)	148 x 205 x 63 mm
Weight	2.9 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0003617000 | 0003319000

lab dancer

Type of movement	orbital
Shaking diameter	4.5 mm
Permissible shaking weight (incl. attachment)	max. 50 ml (1 test tube)
Motor rating input / output	1.2 / 0.8 W
Permissible ON time	100%
Speed range	2800 rpm (fixed)
Speed display	none
Timer	no
Timer display	none
Operating mode	touch operation
Dimensions (W x D x H)	100 x 70 mm (Ø x H)
Weight	0.55 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0003365000



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
Permissible ON time	100%
Speed range	500 – 2500 rpm
Speed display	scale (0 – 6)
Timer	no
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

Type of movement	orbital
Shaking diameter	4 mm
Permissible shaking weight (incl. attachment)	0.4 kg
Motor rating input / output	58 / 10 W
Permissible ON time	100%
Speed range	500 – 2500 rpm
Speed display	scale (0 – 6)
Timer	no
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%

Ident. No. 0003340000

VXR basic Vibrax®

Type of movement	orbital
Shaking diameter	4 mm
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	35 / 13.2 W
Permissible ON time	100%
Speed range	0 – 2200 rpm
Speed display	scale
Timer	no
Timer display	none
Operating mode	continuous operation
Dimensions (W x D x H)	157 x 247 x 130 mm
Weight	6.1 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0002819000

HS 260 basic | control

Type of movement	reciprocating
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	20 – 300 rpm 10 – 300 rpm
Speed display	LED line digital
Timer	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min
Timer display	LED line digital
Operating mode	timer and continuous operation
Dimensions (W x D x H)	360 x 420 x 100 mm
Weight	8.5 kg 8.8 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80%

HS 260 basic Ident. No. 0003066600
HS 260 control Ident. No. 0004278600
HS 260 control Ident. No. 0003066700

HS 501 digital

Type of movement	reciprocating
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. 0002527000

Shakers



Digital display allows for reading the speed, timer function and operating modes



Wide range of attachment combinations



All functions can be controlled and documented with labworldsoft®



KS 130 control



Technical data

Type of movement	orbital
Shaking diameter	3 mm
Permissible shaking weight (incl. attachment)	2 or 4 microtiter plates
Motor rating input / output	35 / 13.2 W
Permissible ON time	100%
Speed range	0 – 1100 rpm
Speed display	scale
Timer	∞ / 1 – 99 min
Timer display	digital
Operating mode	timer and continuous operation
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
Permissible shaking weight (incl. attachment)	2 or 4 microtiter plates
Motor rating input / output	35 / 13.2 W
Permissible ON time	100%
Speed range	0 – 1100 rpm
Speed display	scale
Timer	∞ / 1 – 99 min
Timer display	digital
Operating mode	timer and continuous operation
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 basic Package KS 130 control | KS 130 control Package

Type of movement	orbital
Shaking diameter	4 mm
Permissible shaking weight	2 kg
Motor rating input / output	45 / 10 W
Permissible ON time	100%
Speed range	80 – 800 rpm
Speed display	LED line digital
Timer	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min
Timer display	LED line digital
Operating mode	timer and continuous operation
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 | 0002980100
KS 130 control Package: Ident. No. 0009025500

KS 260 basic | KS 260 basic Package KS 260 control | KS 260 control Package

Type of movement	orbital
Shaking diameter	10 mm
Permissible shaking weight	7.5 kg
Motor rating input / output	45 / 10 W
Permissible ON time	100%
Speed range	20 – 500 rpm 10 – 500 rpm
Speed display	LED line digital
Timer	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min
Timer display	LED line digital
Operating mode	timer and continuous operation
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 | 0002980300
KS 260 control Package: Ident. No. 0009025600



KS 3000 ic control



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



Assure highly accurate temperature control



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



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	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 695 x 430 mm
Weight	35 kg 37 kg
Permissible ambient temp.	15 – 32 °C
Permissible relative moisture	80%

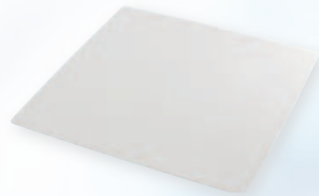
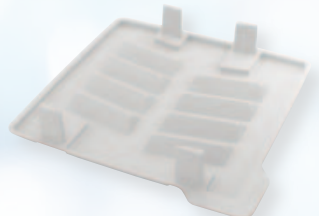
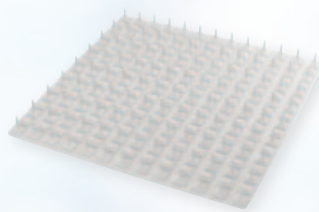
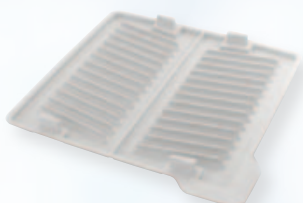
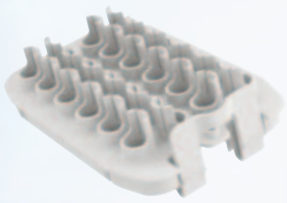
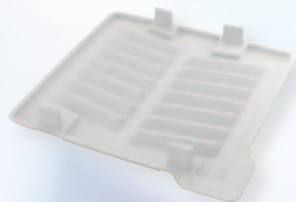
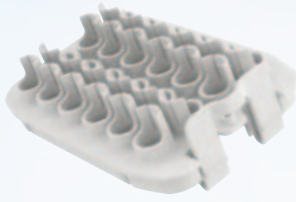
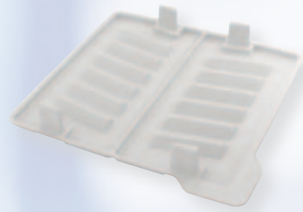
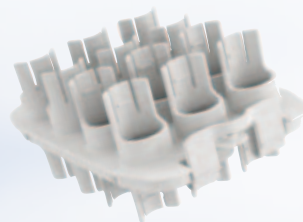
KS 3000 i control: Ident. No. 0003940000
KS 3000 ic control: Ident. No. 0003940100

KS 4000 i control | ic control

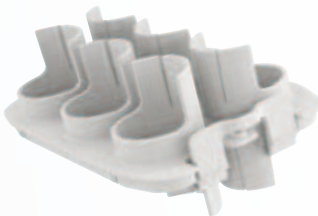
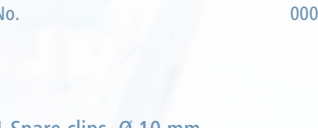
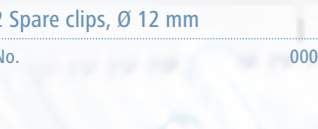
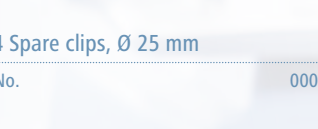
Type of movement	orbital
Shaking diameter	20 mm
Permissible shaking weight	20 kg
Motor rating input / output	82 / 24 W
Permissible ON time	100%
Speed range	10 – 500 rpm
Speed display	LED
Timer	1 s – 999 h
Timer display	LED
Operating mode	timer and continuous operation
Dimensions (W x D x H)	580 x 525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

KS 4000 i control: Ident. No. 0003510000
KS 4000 ic control: Ident. No. 0003510100

Accessories | Rocker / Loopster

06 RD 1 Universal mat For use with Rocker 2D, 3D basic and digital. Ident. No.0004532000 	06 TB 4 Tray 10 x for tubes 30 ml, Ø 28 mm "standard 50 ml tubes" Ident. No.0004532500 	10 DS 5 Tube attachment 12 x 50 ml centrifuge tubes, Ø 28 mm Ident. No.0004524400 
06 RD 2 Burled mat For use with Rocker 2D, 3D basic and digital. Ident. No.0004532100 	10 DS 1 Tube attachment 48 x 1.5 ml microcentrifuge tubes; Ø 10 mm Ident. No.0004524000 	10 DS 6 Universal disc For holding five different kinds of tubes for greater versatility. Ident. No.0004524500 
06 TB 1 Tray 28 x for tubes 5 ml, Ø 12 mm Ident. No.0004532200 	10 DS 2 Tube attachment 24 x 5 ml tubes, Ø 12 mm Ident. No.0004524100 	10 TR 1 Tube insert 24 x 1.5 ml microcentrifuge tubes, Ø 10 mm Ident. No.0004525100 
06 TB 2 Tray 16 x for tubes 15 ml, Ø 16 mm "standard 15 ml tubes" Ident. No.0004532300 	10 DS 3 Tube attachment 20 x 15 ml centrifuge tubes, Ø 16 mm Ident. No.0004524200 	10 TR 2 Tube insert 24 x 5 ml tubes, Ø 12 mm Ident. No.0004525200 
06 TB 3 Tray 14 x for tubes 30 ml, Ø 25 mm "standard 30 ml tubes" Ident. No.0004532400 	10 DS 4 Tube attachment 12 x 30 ml, Ø 25 mm Ident. No.0004524300 	10 TR 3 Tube insert 12 x 15 ml centrifuge tubes, Ø 16 mm Ident. No.0004525300 

Accessories | Trayster / MS 3 / VORTEX Genius 3

10 TR 4 Tube insert 6 x 50 ml centrifuge tubes, Ø 28 mm Ident. No.0004525400 	MS 3.3 Universal attachment For various foam inserts, included with the minishakers MS 3 basic and MS 3 digital. Ident. No.0003426600 	MS 1.34 Test tube insert For inserting into the universal attachment, for any number of bore holes. Material: ethylvinyl-acetate. Ident. No.000L001830 
06 A 2 second level attachment For use with Rocker 2D, 3D basic and digital. Ident. No.0004581700 	MS 1.21 One-hand insert For inserting into the universal attachment, included with the minishakers MS 3 basic and MS 3 digital. Ident. No.000L001540 	MS 3.4 Microtiter plate attachment For use with a microtiter plate, included with the minishaker MS 3 digital. Ident. No.0003426400 
10 DS 6.1 Spare clips, Ø 10 mm Ident. No.0004524600 	MS 1.31 Test tube insert For inserting into universal attachment, for 14 test tubes Ø 10 mm. Material: ethylvinyl-acetate. Ident. No.000L001840 	MS 3.5 PCR plate attachment For holding PCR plates, 96-well. Includes holder and insert. Ident. No.0003428000 
DS 6.2 Spare clips, Ø 12 mm Ident. No.0004524700 	MS 1.32 Test tube insert For inserting into the universal attachment, for 6 test tubes Ø 12 mm. Material: ethylvinyl-acetate. Included with the minishakers MS 3 digital. Ident. No.000L001850 	VG 3.1 Standard attachment Standard attachment for reagent glasses / small vessels (continuous / touch operation), included with delivery. Ident. No.0003341200 
DS 6.3 Spare clips, Ø 16 mm Ident. No.0004524800 	MS 3.1 Standard attachment For test tubes and small vessels up to Ø 50 mm, included with the minishakers MS 3 basic and MS 3 digital. Ident. No.0003426300 	VG 3.2 One-hand attachment One-hand attachment, 88 mm, round, with rubber insert (continuous / touch operation). Ident. No.0003342300 
DS 6.4 Spare clips, Ø 25 mm Ident. No.0004524900 	MS 1.33 Test tube insert For inserting into the universal attachment, for 4 test tubes Ø 16 mm. Material: ethylvinyl-acetate. Ident. No.000L001860 	
DS 6.5 Spare clips, Ø 28 mm Ident. No.0004525000 		

Accessories | VORTEX Genius 3 / VXR

VG 3.3 Universal attachment

Universal attachment, 150 mm, with rubber insert (continuous operation).

Ident. No. 0003342400



VG 3.31 Test tube attachment*

For 54 Eppendorf tubes (continuous operation).

Ident. No. 0003344300



VG 3.32 Test tube attachment*

For 18 reagent glasses, 10 mm (continuous operation).

Ident. No. 0003343900



VG 3.33 Test tube attachment*

For 12 reagent glasses, 12 mm (continuous operation).

Ident. No. 0003344000



VG 3.34 Test tube attachment*

For 8 reagent glasses, 16 mm (continuous operation).

Ident. No. 0003344100



VG 3.35 Test tube attachment*

For 8 reagent glasses, 20 mm (continuous operation).

Ident. No. 0003344200



VG 3.36 Erlenmeyer flask attachment*

For 1 Erlenmeyer / round flask from 100 to 250 ml (continuous operation).

Ident. No. 0003342100



VG 3.37 Microtiter attachment*

For 1 standard microtiter plate (continuous operation).

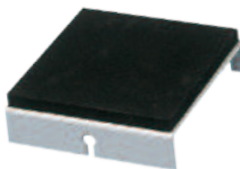
Ident. No. 0003344400



VX 1 One-hand attachment

For shaking single, non-fixed vessels of 1 – 250 ml.

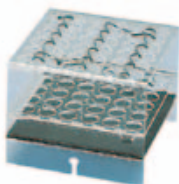
Ident. No. 0000607200



VX 2 Test tube attachment

For up to 36 test tubes or centrifugal tubes with a diameter of 16 mm.

Ident. No. 0000568900



VX 2E "Eppendorf" attachment

For intensive mixing of up to 64 "microcentrifuge" tubes (1.5 ml).

Ident. No. 0001618100



VX 7 Dish attachment

For careful mixing of culture bottles, Petri dishes, etc.

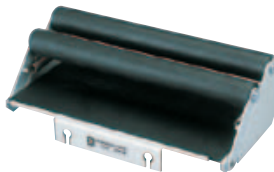
Ident. No. 0000953300



VX 8 Universal attachment

For rapid and secure clamping, e.g. 2 Erlenmeyer flasks up to 500 ml.

Ident. No. 0000910400



VX 8.1 Clamping roll

Spare for use with VX 8 universal attachment.

Ident. No. 0003375400



VX 11 Basic holder

Attachment for test tube inserts.

Ident. No. 0003627700



Accessories | VXR / KS 130 / HS 260

VX 11.1 Test tube insert

For 70 test tubes, 10 mm.

Ident. No. 0003659000



VX 11.2 Test tube insert

For 41 test tubes, 12 mm.

Ident. No. 0003659100



VX 11.3 Test tube insert

For 32 test tubes, 16 mm.

Ident. No. 0003659200



VX 11.4 Test tube insert

For 18 test tubes, 20 mm.

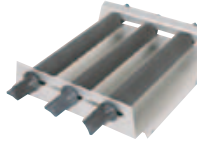
Ident. No. 0003659300



AS 130.1 Universal attachment

For use with various types of vessels by means of universal, infinitely variable clamping rolls.

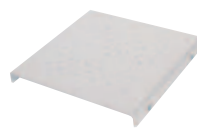
Ident. No. 0008017300



AS 130.2 Fixing clip attachment

For processing round flasks, measuring flasks and Erlenmeyer flasks. Please order fixing clips separately.

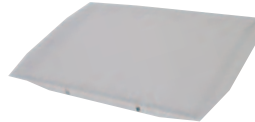
Ident. No. 0003115000



AS 130.3 Dish attachment

For smooth shaking operations in the low viscosity range, e.g. Petri dishes or culture bottles. With integrated slip-resistant foil (PP).

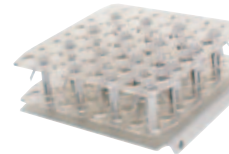
Ident. No. 0003120000



AS 130.4 Test tube attachment

For intensive shaking, e.g. small tubes, test tubes, cuvettes, centrifuge tubes.

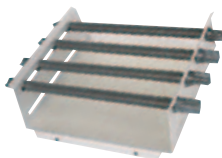
Ident. No. 0003120300



AS 260.1 Universal attachment

For various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.

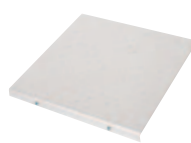
Ident. No. 0008017400



AS 260.2 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and bottles with a round cross-section (without fixing clips).

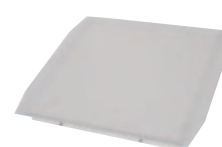
Ident. No. 0003115500



AS 260.3 Dish attachment

For smooth movement for cell cultures, nutrient media in Petri dishes, culture bottles and vessels with a low center of gravity. With integrated slip-resistant foil (PP).

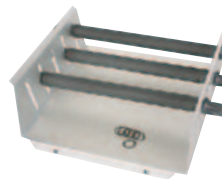
Ident. No. 0003120600



AS 260.5 Separating funnel attachment

For shaking out, salting out, extracting, eluting and enriching. The 3 clamping rolls (included in delivery) are height-adjustable for adaption to different separating funnel sizes. The separating funnels are secured with O-rings (6 O-rings included).

Ident. No. 0003120900



* For VG 3.3 Universal attachment

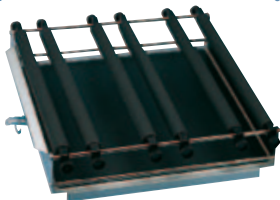


Accessories | HS 501

AS 501.1 Universal attachment

For various types of vessels with a minimum volume of 50 ml. Ideally more than 250 ml. The clamping rolls may be adjusted to two levels.

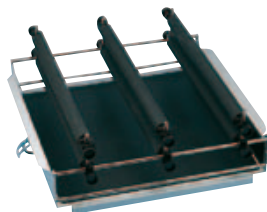
Ident. No. 0008000200



AS 501.2 Separating funnel attachment

For shaking out, eluting, extracting, gassing out, dissolving, enriching, etc. Adjustment for the clamping rolls is infinitely variable, the set-up height can be changed by means of clamping devices.

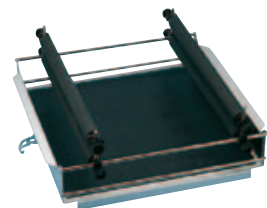
Ident. No. 0008000300



AS 501.3 Separating funnel attachment

Same features as AS 501.2.

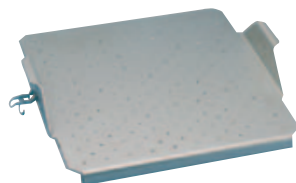
Ident. No. 0008000400



AS 501.4 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and pear-shaped flasks (without fixing clips).

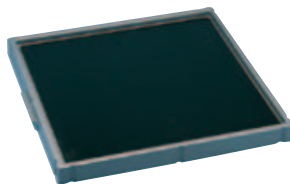
Ident. No. 0002341100



AS 501.5 Dish attachment

For smoothly shaking dishes, but also for smooth mixing in vessels with a large, flat bottom (wide-necked Erlenmeyer flasks and beakers).

Ident. No. 0002339600



AS 501.6 Separating funnel attachment

Same features as AS 501.2. This attachment will hold 4 x 1000 ml separating funnels.

Ident. No. 0008000500



Clamping roll

For basic holder.

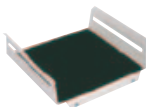
	Ident. No.
AS 1.31	0003030500
AS 1.61	0003030501
AS 1.11	0002339800



AS 1.30 Basic holder

For use with universal attachment AS 130.1.

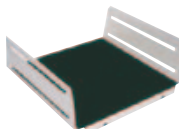
Ident. No. 0003148000



AS 1.60 Basic holder

For use with universal attachment AS 260.1.

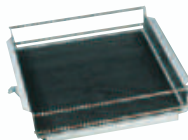
Ident. No. 0003149000



AS 1.10 Basic holder

For use with universal attachment AS 501.1 and separating funnel attachments AS 501.2, AS 501.3 and AS 501.6.

Ident. No. 0002339700



Accessories | HS 501 / KS 4000

AS 1.5 Fastening screw

Fastening screw for the universal attachments AS 130.1, AS 260.1 and the separating funnel attachment AS 260.5.

Ident. No. 0002979400



AS 1.6 Fastening screw

Two AS 1.6 clamping devices are required for fastening a clamping roll to the corresponding basic holder (for basic holder AS 1.10 only).

Ident. No. 0001268400



AS 1.7 Clamping device

Required for fastening two clamping rolls one above the other.

Ident. No. 0001269200



AS 1.8 Support clamping device

Required for fastening two clamping rolls one above the other.

Ident. No. 0001268900



AS 1.12 Supporting bar

For attaching two AS 1.13 ground section holders for fixing 1000 ml separating funnels.

Ident. No. 0002594500



AS 1.401 Clamping roll

Spare for use with universal attachment AS 4000.1.

Ident. No. 0003712000



AS 1.13 Ground section holder

For attaching separate funnels with ground opening NS 29.

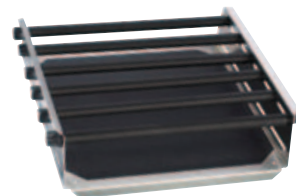
Ident. No. 0002597000



AS 4000.1 Universal attachment

For use with various types of vessels. Infinitely variable clamping rolls allow universal adaptation to the vessels.

Ident. No. 0008022200



AS 4000.2 Fixing clip attachment

For shaking flasks, Erlenmeyer flasks and bottles with a round cross section (without fixing clips).

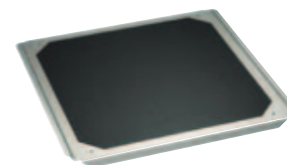
Ident. No. 0003710100



AS 4000.3 Dish attachment

For smooth shaking operations in the low viscosity range. With integrated slip-resistant foil (PP).

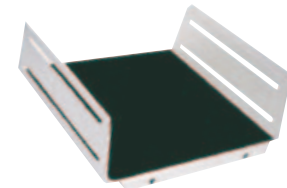
Ident. No. 0003710000



AS 1.400 Basic holder

Spare for use with universal attachment AS 4000.1.

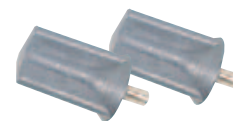
Ident. No. 0003710200



AS 1.402 Fastening screw

Spare for use with universal attachment AS 4000.1. Two AS 1.402 fastening screws are required for fastening a clamping roll onto the corresponding basic holder.

Ident. No. 0003712300



STICKMAX

New universal adhesive mat for the fixing clip attachments of KS 130, KS/HS 260, KS/HS 501 and KS 4000 i shakers.

Ident. No. 0003920000



Fixing clip

Ident. No.

AS 2.1 (25 ml) 0001234300

AS 2.2 (50 ml) 0001234400

AS 2.3 (100 ml) 0001234500

AS 2.4 (200/250 ml) 0001234600

AS 2.5 (500 ml) 0001234700

AS 2.6 (1000 ml) 0003819300



Dispersers



Turbo function for short time intensive mixing, homogenizing or grinding



Built-in program library for tests to be repeated under identical conditions



Reverse rotation switch to optimize mixing and crushing performance



reddot design award
winner 2012



Multilingual OLED display for simple and precise menu navigation



USB interface to control and document all the parameters using labworldsoft® software and for updating your firmware



Technical data

Motor rating input / output	20 / 17 W
Speed range / Turbo speed	400 – 6000 rpm / 8000 rpm
Display	OLED
Speed display	digital
Timer	10 s – 30 min (infinitely adjustable)
Reverse rotation interval	10 – 60 s
Dimensions (W x D x H)	122 x 178 x 48 mm
Weight	1.0 kg
Protection class DIN EN 60529	IP 20
Interface	yes
Voltage	100 – 240 V
Frequency	50/60 Hz

Ident. No. 0004135300

ULTRA-TURRAX® Tube Drive control

Included with delivery

ULTRA-TURRAX® Tube Drive	–
ULTRA-TURRAX® Tube Drive control	1
ST-20 Tube with stirring device	1
DT-20 Tube with rotor-stator element	1
BMT-20 G / S Tube for grinding with glass (G) or stainless steel balls (S)	1
Removal hook for removal of rotor-stator	1
Power supply	1

ULTRA-TURRAX® Tube Drive control Workstation

–	–
1	1
1	1
1	1
1	1
1	1

Ident. No. 0003827500

ULTRA-TURRAX® Tube Drive control | Accessories



ST Tube with stirring devices

	Ident. No.
ST-20 (pack of 25)	0003703000
ST-20-M-gamma (pack of 20)	0003700500
ST-50 (pack of 10)	0003699500
ST-50-M (pack of 10)	0003629500
ST-50-M-gamma (pack of 10)	0003701500

DT Tube with rotor-stator element

	Ident. No.
DT-20 (pack of 25)	0003703100
DT-20-M-gamma (pack of 20)	0003700600
DT-50 (pack of 10)	0003699600
DT-50-M (pack of 10)	0003629600
DT-50-M-gamma (pack of 10)	0003701600

BMT-S/G Tube for grinding with stainless steel (S) or glass (G) balls

	Ident. No.
BMT-20-S (pack of 25)	0003703200
BMT-20-G (pack of 25)	0003703300
BMT-20-S-M-gamma (pack of 20)	0003700700
BMT-50-S (pack of 10)	0003699700
BMT-50-G (pack of 10)	0003699800
BMT-50-S-M (pack of 10)	0003629700
BMT-50-G-M (pack of 10)	0003629800
BMT-50-S-M-gamma (pack of 10)	0003701700

Cover for BMT tube

	Ident. No.
TC-50; for 50 ml tubes (10 pcs.)	0003749800
TC-20-M; with pierceable membrane for 20 ml tubes (25 pcs.)	0003749900
TC-50-M; with pierceable membrane for 20 ml tubes (10 pcs.)	0003750000

Balls for BMT tube

	Ident. No.
Glass balls Ø 6 mm (250 g)	0003599200
Stainless steel balls Ø 5 mm (250 g)	0003599300

T-series ULTRA-TURRAX® Dispersers



Dispersing tools are not included in delivery

Technical data

Motor rating input / output	125 / 75 W
Volume range (H ₂ O)	0.5 – 100 ml
Viscosity max.	5000 mPas
Speed range	8000 – 30,000 rpm
Speed display	scale
Speed control	stepless
Noise without element	65 dB(A)
Extension arm diameter	8 mm
Extension arm length	130 mm
Process type	batch
Dimensions (W x D x H)	56 x 66 x 178 mm
Weight	0.5 kg
Perm. ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protect. class DIN EN 60529	IP 30
Interface	no
Voltage	230 V
Frequency	50/60 Hz

T 10 basic T 10 standard PCR kit
125 / 75 W
0.5 – 100 ml
5000 mPas
8000 – 30,000 rpm
scale
stepless
65 dB(A)
8 mm
130 mm
batch
56 x 66 x 178 mm
0.5 kg
5 – 40 °C
80 %
IP 30
no
230 V
50/60 Hz
T 10 basic Ident. No. 0003737000 T 10 PCR kit Ident. No. 0004095500

T 18 digital T 18 digital Package
500 / 300 W
1 – 1500 ml
5000 mPas
3000 – 25,000 rpm
LED
stepless
75 dB(A)
13 mm
160 mm
batch
87 x 106 x 271 mm
2.5 kg
5 – 40 °C
80 %
IP 20
no
200 – 240 V
50/60 Hz
T 18 digital Ident. No. 0003720000 Package Ident. No. 0009022800

T 25 digital
800 / 500 W
1 – 2000 ml
5000 mPas
3000 – 25,000 rpm
LED
stepless
75 dB(A)
13 mm
160 mm
batch
87 x 106 x 271 mm
2.5 kg
5 – 40 °C
80 %
IP 20
no
200 – 240 V
50/60 Hz
Ident. No. 0003725000

T 50 digital
1100 / 700 W
0.25 – 30 l
5000 mPas
500 – 10,000 rpm
LED
stepless
72 dB(A)
16 mm
220 mm
batch
115 x 139 x 355 mm
5.76 kg
5 – 40 °C
80 %
IP 20
no
200 – 240 V
50/60 Hz
Ident. No. 0003787000

Dispersing tools are not included in delivery

Technical data

Motor rating input / output	1800 / 1500 W
Volume range (H ₂ O)	2 – 50 l
Viscosity max.	5000 mPas
Speed range	7200 rpm (fixed)
Speed display	–
Speed control	fixed
Noise without element	75 dB(A)
Extension arm diameter	–
Extension arm length	–
Process type	batch
Dimensions (W x D x H)	190 x 580 x 380 mm
Weight	28 kg
Perm. ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protect. class DIN EN 60529	IP 54
Interface	no
Voltage	3 x 400 V
Frequency	50 Hz

T 65 D T 65 D Package
1800 / 1500 W
2 – 50 l
5000 mPas
7200 rpm (fixed)
–
fixed
75 dB(A)
–
–
batch
190 x 580 x 380 mm
28 kg
5 – 40 °C
80 %
IP 54
no
3 x 400 V
50 Hz
T 65 D Ident. No. 0001602800 T 65 D Package Ident. No. 0009019600

T 65 basic T 65 basic Package
1800 / 1500 W
2 – 50 l
5000 mPas
7200 rpm (fixed)
–
fixed
75 dB(A)
flange
flange
batch
185 x 400 x 450 mm
26 kg
5 – 40 °C
80 %
IP 54
no
3 x 400 V
50 Hz
T 65 basic Ident. No. 0004023500 T 65 basic Package Ident. No. 0009019600 0009023400

T 65 digital T 65 digital Package
2600 / 2200 W
2 – 50 l
5000 mPas
1000 – 9500 rpm
LED
stepless
75 dB(A)
flange
flange
batch
300 x 400 x 390 mm
29 kg
5 – 40 °C
80 %
IP 54
no
3 x 400 V
50/60 Hz
T 65 digital Ident. No. 0004234500 T 65 digital Package Ident. No. 0009023500

Available
06.2013

Available
08.2013

Dispersing tools | T 10 basic | T 18 digital



Dispersing element	T 10 basic	
	S 10 N – 8 G – ST	S 10 N – 10 G – ST
Ident. No.	0004446500	0004446700
Working range	1 – 50 ml	1 – 100 ml
Stator diameter	8 mm	10 mm
Rotor diameter	6.1 mm	7.6 mm
Gap between rotor and stator	0.25 mm	0.2 mm
Min. / max. immersion depth	20 / 95 mm	20 / 100 mm
Shaft length	115 mm	115 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L

1

Dispersing element	T 10 basic				
	S 10 N – 5 G	S 10 N – 8 G	S 10 N – 10 G	S 10 D – 7 G – KS – 65	S 10 D – 7 G – KS – 110
Ident. No.	0003304000	0003305500	0003370100	0003433225 (25 pcs.)	0003433325 (25 pcs.)
Working range	0.5 – 10 ml	1 – 50 ml	1 – 100 ml	1 – 20 ml	1 – 40 ml
Stator diameter	5 mm	8 mm	10 mm	7 mm	7 mm
Rotor diameter	3.8 mm	6.1 mm	7.6 mm	4.8 mm	4.8 mm
Gap between rotor and stator	0.1 mm	0.25 mm	0.2 mm	0.3 mm	0.3 mm
Min. / max. immersion depth	20 / 75 mm	20 / 95 mm	20 / 100 mm	20 / 50 mm	20 / 90 mm
Shaft length	92 mm	115 mm	115 mm	65 mm	110 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L	Polycarbonate (PC) Polysulfon (PSU)	Polycarbonate (PC) Polysulfon (PSU)
pH range	2 – 13	2 – 13	2 – 13	–	–
Suitable for solvents	yes	yes	yes	–	–
Max. temperature	180 °C	180 °C	180 °C	100 °C	100 °C
Sterilization methods	all methods	all methods	all methods	yes, autoclavable	yes, autoclavable

2

3

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6

Dispersing element	T 18 digital			
	S 18 N – 10 G	S 18 N – 19 G	S 18 D – 10 G – KS	S 18 D – 14 G – KS
Ident. No.	000L004639	000L004640	0003452400 (10 pcs.)	0003452300 (10 pcs.)
Working range	1 – 100 ml	10 – 1500 ml	10 – 100 ml	10 – 500 ml
Stator diameter	10 mm	19 mm	10 mm	14 mm
Rotor diameter	7.5 mm	12.7 mm	6.75 mm	9.5 mm
Gap between rotor and stator	0.35 mm	0.4 mm	0.25 mm	0.35 mm
Min. / max. immersion depth	25 / 70 mm	35 / 170 mm	15 / 85 mm	15 / 85 mm
Shaft length	108 mm	204 mm	150 mm	150 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	Polycarbonate (PC) Polyetheretherketon (PEEK)	Polycarbonate (PC) Polyetheretherketon (PEEK)
pH range	2 – 13	2 – 13	–	–
Suitable for solvents	yes	yes	–	–
Max. temperature	180 °C	180 °C	100 °C	100 °C
Sterilization methods	all methods	all methods	yes, autoclavable	yes, autoclavable

7

8

9

10



Disposable tube
S 18 / 25-ET50
For attaching onto plastic
tools from S 18 D and S 25
D series.

Ident. No. 0003452500
Material PP

Dispersing tools | T 25 digital



IKA®+

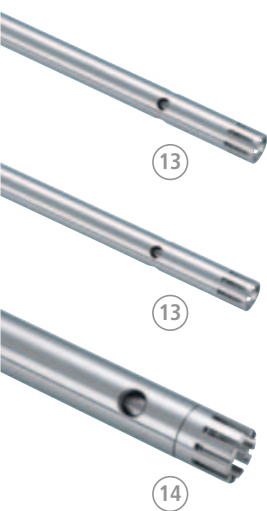
Saw Tooth (ST)
dispersing tools

- > ST tools are recommended for use with tissue and other fibrous materials
- > Saw tooth design creates a cutting and tearing action for shredding fibrous materials
- > Made of high quality stainless steel

Dispersing element	T 25 digital			
	S 25 N – 8 G – ST	S 25 N – 10 G – ST	S 25 N – 18 G – ST	S 25 N – 25 G – ST
Ident. No.	0004446900	0004447100	0004447300	0004447500
Working range	1 – 50 ml	1 – 100 ml	10 – 1500 ml	50 – 2000 ml
Stator diameter	8 mm	10 mm	18 mm	25 mm
Rotor diameter	6.1 mm	7.5 mm	12.7 mm	17 mm
Gap between rotor and stator	0.25 mm	0.35 mm	0.3 mm	0.5 mm
Min. / max. immersion depth	27 / 85 mm	22 / 85 mm	40 / 165 mm	40 / 165 mm
Shaft length	108 mm	105 mm	194 mm	194 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L

11

12



Dispersing element	T 25 digital				
	S 25 N – 8 G	S 25 N – 10 G	S 25 N – 18 G	S 25 KV – 18 G	S 25 NK – 19 G
Ident. No.	0001024200	0000594000	0000593400	0002348000	0002494700
Working range	1 – 50 ml	1 – 100 ml	10 – 1500 ml	10 – 1500 ml	25 – 1500 ml
Stator diameter	8 mm	10 mm	18 mm	18 mm	19 mm
Rotor diameter	6.1 mm	7.5 mm	12.7 mm	12.7 mm	12.7 mm
Gap between rotor and stator	0.25 mm	0.35 mm	0.3 mm	0.3 mm	0.3 mm
Min. / max. immersion depth	27 / 85 mm	22 / 85 mm	40 / 165 mm	40 / 225	40 / 165 mm
Shaft length	108 mm	105 mm	194 mm	270 mm	194 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L	FFPM / SIC, AISI 316L	PTFE, AISI 316L
pH range	2 – 13	2 – 13	2 – 13	2 – 13	2 – 13
Suitable for solvents	yes	yes	yes	yes	yes
Max. temperature	180 °C	180 °C	180 °C	220 °C	120 °C
Sterilization methods	all methods	all methods	all methods	wet chemical	wet chemical
Min. vacuum	–	–	–	1 mbar	–
Max. pressure	–	–	–	6 bar	–

13

13

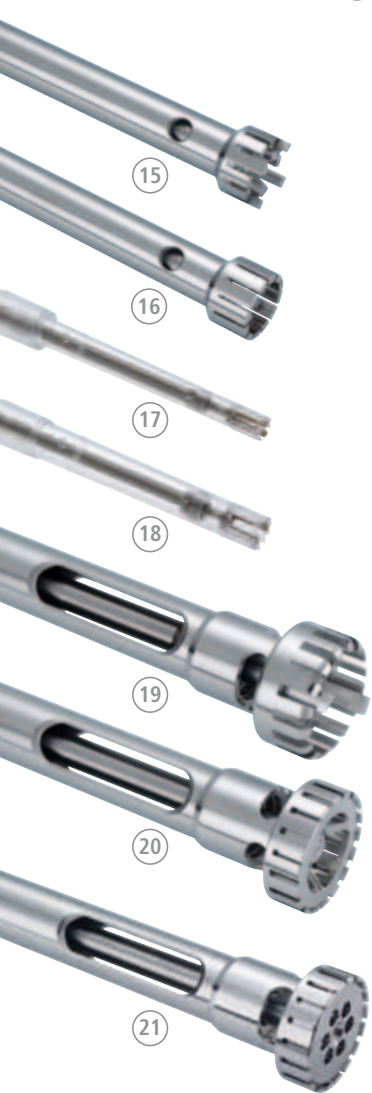
14

14

14

Dispersing tools | T 25 digital | T 50 digital

T 25 digital						
Dispersing element	S 25 N – 25 G	S 25 KV – 25 G	S 25 N – 25 F	S 25 KV – 25 F	S 25 D – 10 G – KS	S 25 D – 14 G – KS
Ident. No.	0001713300	0002466900	0001713800	0002404000	0003452200 (10 pcs.)	0003452100 (10 pcs.)
Working range	50 – 2000 ml	50 – 2000 ml	100 – 2000 ml	100 – 2000 ml	10 – 100 ml	10 – 500 ml
Stator diameter	25 mm	25 mm	25 mm	25 mm	10 mm	14 mm
Rotor diameter	17 mm	17 mm	18 mm	18 mm	6.75 mm	9.5 mm
Gap between rotor and stator	0.5 mm	0.5 mm	0.5 mm	0.5 mm	0.25 mm	0.35 mm
Min. / max. immersion depth	40 / 165 mm	40 / 225 mm	40 / 165 mm	40 / 225 mm	15 / 85 mm	15 / 85 mm
Shaft length	194 mm	270 mm	194 mm	270 mm	150 mm	150 mm
Materials in contact with medium	PTFE, AISI 316L	FFPM / SIC, AISI 316L	PTFE, AISI 316L	FFPM / SIC, AISI 316L	Polycarbonate (PC)	Polycarbonate (PC)
					Polyetheretherketon (PEEK)	Polyetheretherketon (PEEK)
pH range	2 – 13	2 – 13	2 – 13	2 – 13	–	–
Suitable for solvents	yes	yes	yes	yes	–	–
Max. temperature	180 °C	220 °C	180 °C	180 °C	100 °C	100 °C
Sterilization methods	all methods	wet chemical	all methods	all methods	yes, autoclavable	yes, autoclavable
Min. vacuum	–	1 mbar	–	–	–	–
Max. pressure	–	6 bar	–	–	–	–
	15		16		17	18



T 50 digital				
Dispersing element	S 50 N – G 45 G	S 50 N – G 45 M	S 50 N – G 45 F	S 50 N – G 45 G – ST
Ident. No.	0008003000	0008003300	0008003900	0008039500
Working range	0.5 – 20 l	0.5 – 15 l	0.25 – 10 l	0.5 – 20 l
Stator diameter	45 mm	45 mm	45 mm	45 mm
Rotor diameter	36 mm	40.5 mm	40 mm	36 mm
Gap between rotor and stator	0.5 mm	0.25 mm	0.5 mm	0.5 mm
Min. / max. immersion depth	70 / 250 mm	70 / 250 mm	70 / 250 mm	70 / 250 mm
Shaft length	300 mm	290 mm	290 mm	300 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L
pH range	2 – 13	2 – 13	2 – 13	–
Suitable for solvents	yes	yes	yes	–
Max. temperature	180 °C	180 °C	180 °C	–
Sterilization methods	all methods	all methods	all methods	–
	19	20	21	

Dispersing element

S 50 KG – HH – G 45 G

S 50 KG – HH – G 45 M

S 50 KG – HH – G 45 F

Ident. No. 0008003200

Ident. No. 0008003500

Ident. No. 0008004100

Disposable tube

S 18 / 25-ET50

For attaching onto plastic tools from S 18 D and S 25 D series.

Ident. No. 0003452500

Material PP



Dispersing tools | T 50 digital | T 65 basic & digital

T 50 digital			
Dispersing element	R 50 "high speed" stirring shaft	S 50 N – W 65 SK Cutting head	S 50 N – W 80 SMK Jet mixer head
Ident. No.	0001689300	0008005100	0008006300
Working range	0.25 – 30 l	1 – 10 l	1 – 50 l
Max. circumferential speed	15.7 – 23 m/s	–	–
Max. permissible rotor diameter	50 mm	–	–
Material	Stainless steel (AISI 316L)	–	–
Generator diameter	–	65 mm	80 mm
Min. / max. immersion depth	–	80 / 350 mm	140 / 350 mm
Available seals	–	S 50 N	S 50 N
	22 23	24	25

T 65 basic I digital			
Dispersing element	S 65 KG – HH – G 65 G	S 65 KG – HH – G 65 M	S 65 KG – HH – G 65 F
Ident. No.	0008005500	0008005700	0008005900
Working range	2 – 50 l	2 – 40 l	2 – 30 l
Stator diameter	65 mm	65 mm	65 mm
Rotor diameter	58 mm	58 mm	58 mm
Gap between rotor and stator	0.5 mm	0.5 mm	0.5 mm
Min. / max. immersion depth	90 / 450 mm	80 / 450 mm	80 / 450 mm
Shaft length	520 mm	510 mm	500 mm
Materials in contact with medium	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
pH range	2 – 13	2 – 13	2 – 13
Suitable for solvents	yes	yes	yes
Max. temperature	180 °C	180 °C	180 °C
Sterilization methods	wet chemical	wet chemical	wet chemical
Min. vacuum	1 mbar	1 mbar	1 mbar
Max. pressure	6 bar	6 bar	6 bar
	26	27	28



Mills

World's first

reddot design award
winner 2013

Patent
pending

Tube Mill
control



Clearly arranged,
multi-lingual OLED display,
Error code display



Quiet operation



Dust-proof sealed
housing High level
of user safety



Available
05.2013

Technical data	
Motor rating input / output	100 / 80 W
Speed range	5000 – 25,000 rpm
Speed display	digital
Useful volume	40 ml
Duty cycle (ON / OFF)	5 s – 3 min (timer)
Overload protection	yes
Circumferential speed	65 m/s
Max. feed hardness	5 Mohs
Max. feed grain size	10 mm
Grinding chamber material	Transparent plastic (PP)
Dimensions (W x D x H)	180 x 300 x 170 mm
Weight	2.7 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 30

Tube Mill control	
Ident. No.	0004180000

A 11 basic	
Ident. No.	0002900000



05 MT 40 Disposable grinding chamber
Ident. No. 0004425000

Analytical batch mill | Accessories

A 11.1 Spare beater

For pulverizing substances with a Mohs hardness up to 6.
Included with the analytical mill A 11 basic.

Ident. No. 0002904600



A 11.2 Cutting blade

For pulverizing soft, fibrous grinding materials.

Ident. No. 0002905200



A 11.3 Beater

For pulverizing substances with a Mohs hardness up to 9,
coated with chromium carbide.

Ident. No. 0002983000



A 11.4 Grinding chamber

Made of polycarbonate with stainless steel inlet. Not suitable for
cooling with N2, only applicable with double beater A 11.6.

Ident. No. 0002904100



A 11.5 Spare grinding chamber

Made of Tefcel (ETFE, glass fibre-reinforced) with stainless steel inlet.

Ident. No. 0002983100



A 11.6 Double beater

For use up to Mohs hardness 3. Only applicable with grinding chamber.

Ident. No. 0003302900



AS 11.7 Funnel

Prevents splashing of liquid nitrogen when pouring into the
grinding chamber A 11.5.

Ident. No. 0003048700



A 14 Spare cutter

Suitable for crushing materials up to Mohs hardness 5. Included
with A 10.

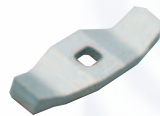
Ident. No. 0001059300



A 15 Hard metal cutter

Made of tungsten carbide for hard materials up to Mohs
hardness 9. Not included with A 10.

Ident. No. 0001059100



A 17 Star-shaped cutter

Used to crush fibrous substances such as paper and vegetation,
but also for plastics and material with a low specific weight. Not
included with A 10.

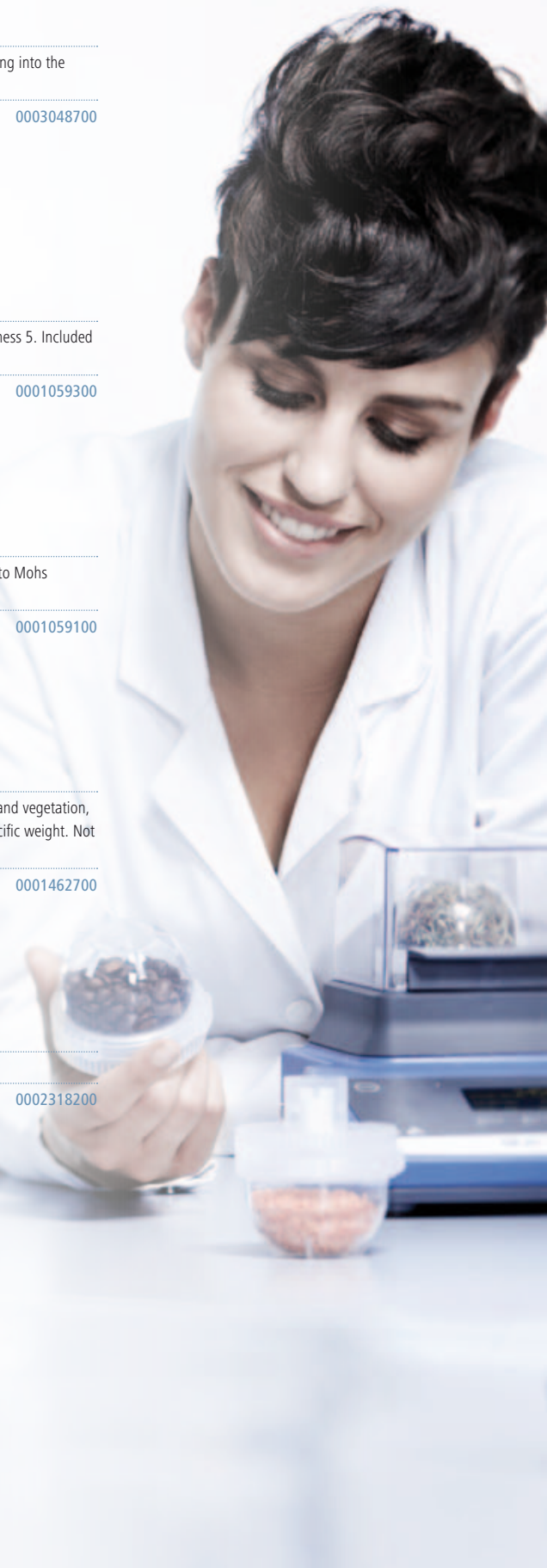
Ident. No. 0001462700



A 18 Grinding chamber reduction

Included with A 10.

Ident. No. 0002318200



Universal mill | Microfine grinder



MF 10
basic



Powerful drive



Easy to clean working surface
made of stainless steel

2+1
Year warranty*

2+1 years after registering at
www.ika.com/register



Easily interchangeable heads

Technical data

Motor rating input/output	620 / 260 W
Speed range	20,000 rpm (fixed)
Speed display	no
Useful volume	250 ml
Duty cycle (ON / OFF)	7 / 10 min
Overload protection	yes
Circumferential speed	72 m/s
Max. feed hardness	9 Mohs
Max. feed grain size	7 mm
Grinding chamber material	stainless steel (AISI 316L)
Dimensions (W x D x H)	170 x 170 x 350 mm
Weight	6.6 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21

M 20 Universal mill

Motor rating input/output	620 / 260 W
Speed range	20,000 rpm (fixed)
Speed display	no
Useful volume	250 ml
Duty cycle (ON / OFF)	7 / 10 min
Overload protection	yes
Circumferential speed	72 m/s
Max. feed hardness	9 Mohs
Max. feed grain size	7 mm
Grinding chamber material	stainless steel (AISI 316L)
Dimensions (W x D x H)	170 x 170 x 350 mm
Weight	6.6 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 21

Ident. No. 0001603600

MF 10 basic

Motor rating input/output	1000 / 500 W
Speed range	3000 – 6500 rpm
Speed display	no
Useful volume	max. 5 kg/h
Duty cycle (ON / OFF)	120 / 30 min
Overload protection	yes
Circumferential speed	22.5 m/s
Max. feed hardness	3 Mohs
Max. feed grain size	15 mm
Grinding chamber material	stainless steel (AISI 304)
Dimensions (W x D x H)	320 x 300 x 560 mm
Weight	11.9 kg (incl. MF 10 basic)
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 22

Ident. No. 0002836000

Technical data

Circumferential speed	22.5 m/s / 31.4 m/s
Max. granularity of task	max. 15 mm / max. 10 mm
Dimensions including MF 10 basic	320 x 300 x 560 mm 320 x 300 x 450 mm
Weight including MF 10 basic	11.9 kg / 12.4 kg
Materials in contact with medium	stainless steel

MF 10.1 Cutting-grinding head
MF 10.2 Impact-grinding head

Circumferential speed	22.5 m/s / 31.4 m/s
Max. granularity of task	max. 15 mm / max. 10 mm
Dimensions including MF 10 basic	320 x 300 x 560 mm 320 x 300 x 450 mm
Weight including MF 10 basic	11.9 kg / 12.4 kg
Materials in contact with medium	stainless steel

MF 10.1 Cutting-grinding head
Ident. No. 0002870900
MF 10.2 Impact-grinding head
Ident. No. 0002871000

Universal mill | Microfine grinder | Accessories



M 21 Spare cutter

Suitable for crushing materials up to Mohs hardness 5.
Included with M 20.

Ident. No. 0000328200



M 22 Hard metal cutter

Made of tungsten carbide for hard materials up to Mohs hardness 9.

Ident. No. 0000521800



M 23 Star-shaped cutter

Used to crush fibrous substances such as paper and vegetation, but also for plastics and material with a low specific weight.

Ident. No. 0001443400



MF 10.1 Cutting-grinding head

For crushing fibrous substances such as paper and vegetation, but also for plastics and material with a low volume weight. Before being discharged, the ground material passes through a sieve. This sieve is interchangeable and available in different hole sizes (not incl. with delivery). The ground material can then be collected using an NS 29 standard ground vessel.

Ident. No. 0002870900



M 20.1 Grinding chamber

A second grinding chamber ensures effective processing. The grinding chambers can be placed on the drive alternately.

Ident. No. 0008006200



MF 10.2 Impact grinding head

Used for crushing brittle, hard materials such as minerals, building materials up to Mohs 6.

Ident. No. 0002871000



MF Sieve

Interchangeable sieves for insertion into the grinding heads ensure maximum particle size filtering.

	MF 0.25	MF 0.5	MF 1.0
Ident. No.	0002938900	0002939000	0002939200

	MF 2.0	MF 3.0	MF 4.0
Ident. No.	0002939400	0002939500	0002939600



Dry Block Heaters



Dry Block Heater 3



Temperature display for the actual/set-point temperatures, up/down arrows for set-point control



A wide range of interchangeable heating blocks to fit any sample tube or plate



External probe for accurate temperature control



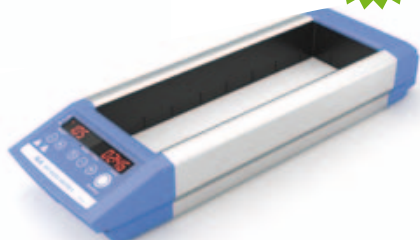
Timer display for accurate and reproducible conditions, up/down arrows for set-point control



Available 06.2013



Available 06.2013



Available 06.2013

Technical data

	Dry Block Heater 1	Dry Block Heater 2	Dry Block Heater 3	Dry Block Heater 4
Number of blocks	1	2	3	4
Heat output	165 W	250 W	330 W	412 W
Heating temperature range	RT +5 °C to 120 °C	RT +5 °C to 120 °C	RT +5 °C to 120 °C	RT +5 °C to 120 °C
Heat control	LED	LED	LED	LED
Heat control accuracy	± 1 K	± 1 K	± 1 K	± 1 K
Connection for ext. temperature sensor	DIN 12878	DIN 12878	DIN 12878	DIN 12878
Control accuracy with sensor	± 1 K	± 1 K	± 1 K	± 1 K
Material of the blocks	aluminum alloy	aluminum alloy	aluminum alloy	aluminum alloy
Timer	1 min to 99h 59min	1 min to 99h 59min	1 min to 99h 59min	1 min to 99h 59min
Dimensions (W x D x H)	151 x 228 x 73 mm	151 x 304 x 73 mm	151 x 380 x 73 mm	151 x 456 x 73 mm
	Ident. No. 0004025100	Ident. No. 0004025200	Ident. No. 0004025300	Ident. No. 0004025400

Dry Block Heaters | Accessories

PT 1000.60 Temperature sensor

For precise temperature control.

Ident. No. 0003516800



PT 1000.90 Temperature sensor, coated

For precise temperature control.

Ident. No. 0004480600



Micro centrifuge tubes

DB 1.1 Single block

Ident. No. 0004467600

DB 1.2 Single block

Ident. No. 0004467700

DB 1.3 Single block

Ident. No. 0004467800

DB 1.4 Single block

Ident. No. 0004467900

DB 1.5 Single block

Ident. No. 0004468000



Conical bottom centrifuge tubes

DB 2.1 Single block

Ident. No. 0004468100

DB 2.2 Single block

Ident. No. 0004468200

Combination blocks

DB 3.1 Single block

Ident. No. 0004468300

DB 3.2 Single block

Ident. No. 0004468400

DB 3.3 Single block

Ident. No. 0004468500

Standard test tubes

DB 4.1 Single block

Ident. No. 0004468600

DB 4.2 Single block

Ident. No. 0004468700

DB 4.3 Single block

Ident. No. 0004468800

DB 4.4 Single block

Ident. No. 0004468900

DB 4.5 Single block

Ident. No. 0004469000

DB 4.6 Single block

Ident. No. 0004469100

DB 4.7 Single block

Ident. No. 0004469200

DB 4.8 Single block

Ident. No. 0004469300

DB 4.9 Single block

Ident. No. 0004469400

PCR - plates, tubes, strips

DB 6.1 Single block

Ident. No. 0004470400

DB 6.2 Single block

Ident. No. 0004470500

DB 6.3 Double block

Ident. No. 0004470600

Vials

DB 5.1 Single block

Ident. No. 0004469500

DB 5.2 Single block

Ident. No. 0004469600

DB 5.3 Single block

Ident. No. 0004469700

DB 5.4 Single block

Ident. No. 0004469800

DB 5.5 Single block

Ident. No. 0004469900

DB 5.6 Single block

Ident. No. 0004470000

DB 5.7 Single block

Ident. No. 0004470100

DB 5.8 Single block

Ident. No. 0004470200

DB 5.9 Single block

Ident. No. 0004470300

Cuvettes

DB 8.1 Single block

Ident. No. 0004470700

Microtiter plates

DB 7.1 Double block

Ident. No. 0004470800

Hotplates

Heating baths | Accessories



C-MAG
HP 7



Elevated control panel for protection against spilled liquids



Hot Top indicator to prevent burns



LED Digital display for precise temperature setting

Technical data	
Temperature display	digital
Heat output	250 W
Heating rate	2.5 K/min
Temperature range	50 – 500 °C
Setting accuracy	± 10 K
Safety circuit fixed	550 °C
Control accuracy with sensor	–
Heating plate material	glass ceramic
Weight	3 kg
Dimensions (W x D x H)	150 x 260 x 105 mm

C-MAG HP 4	
Temperature display	digital
Heat output	250 W
Heating rate	2.5 K/min
Temperature range	50 – 500 °C
Setting accuracy	± 10 K
Safety circuit fixed	550 °C
Control accuracy with sensor	–
Heating plate material	glass ceramic
Weight	3 kg
Dimensions (W x D x H)	150 x 260 x 105 mm
Ident. No. 0003581600	

C-MAG HP 7	
Temperature display	digital
Heat output	1000 W
Heating rate	5 K/min
Temperature range	50 – 500 °C
Setting accuracy	± 10 K
Safety circuit fixed	550 °C
Control accuracy with sensor	ETS-D5 / ± 0.5 K
Heating plate material	glass ceramic
Weight	5 kg
Dimensions (W x D x H)	220 x 330 x 105 mm
Ident. No. 0003581800	

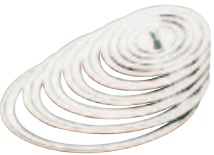
C-MAG HP 10	
Temperature display	digital
Heat output	1500 W
Heating rate	5 K/min
Temperature range	50 – 500 °C
Setting accuracy	± 10 K
Safety circuit fixed	550 °C
Control accuracy with sensor	ETS-D5 / ± 0.5 K
Heating plate material	glass ceramic
Weight	6 kg
Dimensions (W x D x H)	300 x 415 x 105 mm
Ident. No. 0003582000	



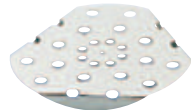
HB 10 HB 10 control HB 10 digital	
Temperature display	digital
Heat output	250 W
Heating rate	2.5 K/min
Temperature range	50 – 500 °C
Setting accuracy	± 10 K
Safety circuit fixed	550 °C
Control accuracy with sensor	–
Material	stainless steel
Weight	3 kg
Dimensions (W x D x H)	150 x 260 x 105 mm
Ident. No. 0004068000 Ident. No. 0003740000 Ident. No. 0003642000	

HBR 4 digital	
Temperature display	digital
Heat output	1000 W
Heating rate	–
Temperature range	RT – 200 °C
Setting accuracy	± 1 K
Safety circuit fixed	–
Control accuracy with sensor	–
Material	–
Weight	4.4 kg
Dimensions (W x D x H)	–
Ident. No. 000260300	

H 240 Ring set
To cover the heating bath HBR 4 digital.
Ident. No. 0002858700



H 159 Intermediate bottom
Allows vessels to be inserted in the heating bath HBR 4 digital without obstructing movement of the rotating magnetic bars.
Ident. No. 0001809700



Thermostats | Packages

Thermostats | Packages



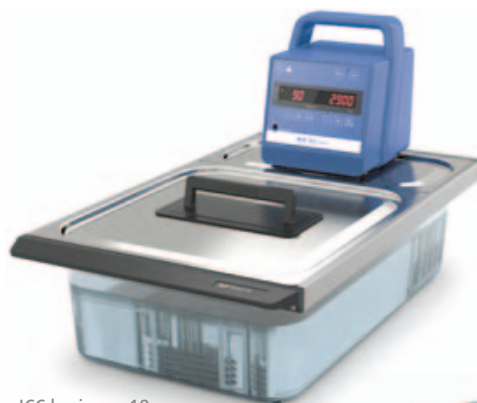
ICC basic eco 8



ICC control pro 9



IC basic pro 20 c



ICC basic eco 18 c



ICC control pro 20 c



IC control pro 20 c

Technical data

Appliance type	compact immersion circulator
Cooling capacity at 20 °C	—
Heat output	2000 / 1000 W
Temperature range	RT – 100 °C RT – 150 °C (20 °C with cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.03 K ± 0.01 K
Bath volume range	depends on used bath
Max. flow rate (at 0 bar)	20 l/min
Max. pump pressure	0.2 bar
Min. suction	0.18 bar
Dimensions (W x D x H)	147 x 158 x 340 mm
USB interface	yes

* Lower working temperatures possible with connection to a chiller

ICC basic | control

Appliance type	compact immersion circulator
Cooling capacity at 20 °C	—
Heat output	2000 / 1000 W
Temperature range	RT – 100 °C RT – 150 °C (20 °C with cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.03 K ± 0.01 K
Bath volume range	depends on used bath
Max. flow rate (at 0 bar)	20 l/min
Max. pump pressure	0.2 bar
Min. suction	0.18 bar
Dimensions (W x D x H)	147 x 158 x 340 mm
USB interface	yes

Ident. No. 0004134400 | 0004136600

IC basic | control

Appliance type	immersion circulator
Cooling capacity at 20 °C	—
Heat output	2500 / 1200 W
Temperature range	RT – 200 °C RT – 250 °C (20 °C with cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.02 K ± 0.01 K
Bath volume range	depends on used bath
Max. flow rate (at 0 bar)	20 l/min 26 l/min
Max. pump pressure	0.5 bar 0.7 bar
Min. suction	0.3 bar 0.4 bar
Dimensions (W x D x H)	245 x 260 x 300 mm
USB interface	yes

Ident. No. 0003861000 | 0003863000

Description

Open heating bath circulator

2014 Package name

ICC basic eco 8
ICC basic eco 18
ICC basic pro 9
ICC basic pro 20
Ident. No. 0008034900
Ident. No. 0008035000
Ident. No. 0008035100
Ident. No. 0008035200

Description

Open heating bath circulator

2014 Package name

ICC control eco 8
ICC control eco 18
ICC control pro 9
ICCcontrol pro 20
Ident. No. 0008035300
Ident. No. 0008035400
Ident. No. 0008035500
Ident. No. 0008035600

Description

Covered heating bath circulator

2014 Package name

ICC basic eco 8 c
ICC basic eco 18 c
ICC basic pro 9 c
ICC basic pro 20 c

Ident. No. 0008035700 | 0008035800
0008035900 | 0008036000

2014 Package name

ICC control eco 8 c
ICC control eco 18 c
ICC control pro 9 c
ICC control pro 20 c

Ident. No. 0008036100 | 0008036200
0008036300 | 0008036400

07 Package name

IC basic eco 8 c
IC basic eco 18 c
IC basic pro 9 c
IC basic pro 12 c
IC basic pro 20 c

Ident. No. 0008036500 | 0008036600
0008036700 | 0008039900 |
0008036800

07 Package name

IC control eco 8 c
IC control eco 18 c
IC control pro 9 c
IC control pro 12 c
IC control pro 20 c

Ident. No. 0008036900 | 0008037000
0008037100 | 0008040000 |
0008037200

Thermostats

Thermostats | Accessories

Available
09.2013

Available
09.2013

Available
2014

EH 4 basic Immersion thermostat
EH 4.1 Bath vessel 5 l
EH 4.2 Bath vessel 11 l
EH 4.3 Bath vessel 18 l

Technical data	
Appliance type	heating bath circulator
Safety class	III (FL)
Cooling capacity at 20°C	—
Heat output	2500 / 1200 W
Temperature range	20 – 200 °C 20 – 250 °C (with integrated cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.02 K ± 0.01 K
Bath volume range	5 – 7 l
Max. flow rate (at 0 bar)	20 l/min 26 l/min
Max. pump pressure	0.5 bar 0.7 bar
Min. suction	0.3 bar 0.4 bar
Dimensions (W x D x H)	275 x 500 x 405 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
USB interface	yes
RS 232 interface	yes

* Lower working temperatures possible with connection to a chiller

HBC 5 basic control	
Appliance type	heating bath circulator
Safety class	III (FL)
Cooling capacity at 20°C	—
Heat output	2500 / 1200 W
Temperature range	20 – 200 °C 20 – 250 °C (with integrated cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.02 K ± 0.01 K
Bath volume range	5 – 7 l
Max. flow rate (at 0 bar)	20 l/min 26 l/min
Max. pump pressure	0.5 bar 0.7 bar
Min. suction	0.3 bar 0.4 bar
Dimensions (W x D x H)	275 x 500 x 405 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
USB interface	yes
RS 232 interface	yes

Ident. No. 0004125000 | 0004127000

HBC 10 basic control	
Appliance type	heating bath circulator
Safety class	III (FL)
Cooling capacity at 20°C	—
Heat output	2500 / 1200 W
Temperature range	20 – 200 °C 20 – 250 °C (with integrated cooling coil*)
Temperature display	LED TFT
Temperature stability DIN 12876	± 0.02 K ± 0.01 K
Bath volume range	8 – 13 l
Max. flow rate (at 0 bar)	20 l/min 26 l/min
Max. pump pressure	0.5 bar 0.7 bar
Min. suction	0.3 bar 0.4 bar
Dimensions (W x D x H)	275 x 510 x 455 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
USB interface	yes
RS 232 interface	yes

Ident. No. 0004135000 | 0004137000

RC 2 basic	
Appliance type	refrigerated circulator
Safety class	—
Cooling capacity at 20°C	350 W
Heat output	—
Temperature range	-20 – 40 °C
Temperature display	LED
Temperature stability DIN 12876	± 0.5 K
Bath volume range	1.4 – 4 l
Max. flow rate (at 0 bar)	20 l/min
Max. pump pressure	0.2 bar
Min. suction	0.18 bar
Dimensions (W x D x H)	220 x 450 x 478 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 21
USB interface	yes
RS 232 interface	yes

Ident. No. 0004171000

07 Thermal bath fluids

EG 100 frost protection	SI.N20.220.10L silicone oil cool
Ident. No.	0004569600
Ident. No.	0004568200
SI.P20.280.10L silicone oil cool	M.P20.180.10L mineral oil
Ident. No.	0004568300
Ident. No.	0004568400

07 Covers

For 8 l / 9 l bath vessels CS.IC cover small for IC	For 8 l / 9 l bath vessels CS.ICC cover small for ICC
Ident. No.	0004471700
Ident. No.	0004471500
For 18 l / 20 l bath vessels CL.IC cover large for IC	For 18 l / 20 l bath vessels CL.ICC cover large for ICC
Ident. No.	0004471800
Ident. No.	0004471600

07 IB pro 20 stainless steel bath 20 l Bath vessel

Ident. No.	0004248600
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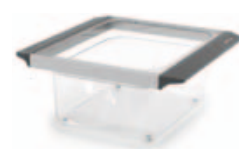


07 Water bath protective media

AQ.1 Aquacide 1 protection against algae growth	
.....	
Ident. No.	0004568700

07 IB eco 8 transparent bath 8 l Bath vessel

Ident. No.	0004248100
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LT 5.20 Hose

Ident. No.	0002606700
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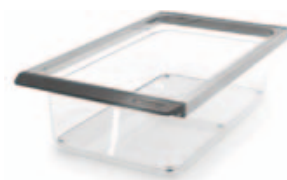


07 Tubing and hoses

H.PVC.8 hose PVC nominal width 8	H.PVC.12 hose PVC nominal width 12	H.SI.8 hose silicone nominal width 8
Ident. No.	0004568800	0004568900
Ident. No.	0004569000	0004569000
H.SI.12 hose silicone nominal width 12	H.PTFE.8 hose PTFE nominal width 8	H.PTFE.12 hose PTFE nominal width 12
Ident. No.	0004569100	0004569200
Ident. No.	0004569300	0004569300

07 IB eco 18 transparent bath 18 l Bath vessel

Ident. No.	0004248200
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LT 5.24 Hose adapter

Ident. No.	0002578100
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Additional accessories

07 PT 100.30 Temperature sensor

Ident. No.	0004284700
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2014 PCS.ICC pump connection set (for ICC)

Ident. No.	0004471900
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07 IB pro 9 stainless steel bath 9 l Bath vessel

Ident. No.	0004248500
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07 CC 1 Cooling Coil (for ICC / IC)

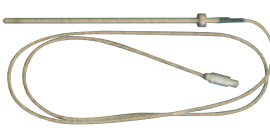
Ident. No.	0004365600
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07 CM.IC Cover

Ident. No.	0004577600
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07 IB pro 12 stainless steel bath 12 l Bath vessel

Ident. No.	0004577500
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07 MV 1 Solenoid valve for cooling water control

Ident. No.	0004577800
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07 CO V 1 Shut-off valve for external temperature

Ident. No.	0004577900
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PC 2.3 Cable

Ident. No.	0003036200
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PT 100.5 Temperature sensor

Ident. No.	0002506800
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07 Tubing insulations

ISO. 8 insulation 8 mm	ISO.12 insulation 12 mm
Ident. No.	0004569400
Ident. No.	0004569500

07 Bridges

For 8 l / 9 l bath vessels BS.IC bridge small for IC	For 8 l / 9 l bath vessels BS.ICC bridge small for ICC
Ident. No.	0004472800
Ident. No.	0004472200
For 18 l / 20 l bath vessels BL.ICC bridge large for ICC	
Ident. No.	0004472300

Centrifuge



mini G



Adjustable digital timer



Quiet operation



Special safety features



Technical data

Capacity	8 x 2.0 ml
Permitted density	1.2 kg / dm³
Centrifugal acceleration	2000 G
Max. kinetic energy	20 Nm
Motor rating input / output	12 / 8 W
Fixed speed	6000 rpm
Reversible direction of rotation	no
Dimensions (W x D x H)	155 x 175 x 105 mm
Weight	1.4 kg

mini G

Capacity	8 x 2.0 ml
Permitted density	1.2 kg / dm³
Centrifugal acceleration	2000 G
Max. kinetic energy	20 Nm
Motor rating input / output	12 / 8 W
Fixed speed	6000 rpm
Reversible direction of rotation	no
Dimensions (W x D x H)	155 x 175 x 105 mm
Weight	1.4 kg

Ident. No. 0003958000

Rotary Evaporators



Compatible with the complete range of IKA® glassware



Can be moved by 130 mm to accommodate different flasks

RV 8



Heating bath can be used as a stand-alone unit and has integrated ergonomic carrying handles



Adjustable immersion angle and height



RV 8

Drive

Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	5 – 300 rpm
Speed display	digital
Clockwise and counter-clockwise	no
Soft start	yes
Head angle adjustable	0 to 45°
Stroke displacement	130 mm, manual
Setting of lower end stop	no
Vacuum controller	optional

General data

Dimensions (W x D x H)	510 x 345 x 490 mm
Weight of the drive incl. heating bath without glass parts	17.2 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 20
Voltage / Frequency	220 – 240 V / 50/60 Hz

RV 8 V Ident. No. 0008033800
RV 8 V-C Ident. No. 0008034200
RV 8 FLEX Ident. No. 0008033400

RV 10 basic

Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	20 – 280 rpm
Speed display	digital
Clockwise and counter-clockwise	yes
Soft start	yes
Head angle adjustable	0 to 45°
Stroke displacement	140 mm, motorized
Setting of lower end stop	60 mm, contact free
Vacuum controller	optional

Dimensions (W x D x H)	530 x 410 x 430 mm
Weight	20 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 20
Voltage / Frequency	220 – 240 V / 50/60 Hz

RV 10 basic V Ident. No. 0008040600
RV 10 basic V-C Ident. No. 0008040700

Rotary Evaporators



Drive	
Motor type	
Motor rating input	
Speed range	
Speed display	
Clockwise and counter-clockwise	
Soft start	
Head angle adjustable	
Stroke displacement	
Setting of lower end stop	
Vacuum controller	
General data	
Dimensions (W x D x H)	
Weight of the drive incl. heating bath without glass parts	
Permissible ambient temperature	
Permissible relative moisture	
Protection class according to DIN EN 60529	
Voltage / Frequency	

RV 10 digital	
brushless DC drive motor	
50 W	
20 – 280 rpm	
digital	
yes	
yes	
0 to 45°	
140 mm, motorized	
60 mm, contact free	
optional	

RV 10 digital V Ident. No. 0008040300
RV 10 digital V-C Ident. No. 0008040400
RV 10 digital FLEX Ident. No. 0008040500

RV 10 control	
brushless DC drive motor	
50 W	
20 – 280 rpm	
digital	
yes	
yes	
0 to 45°	
140 mm, motorized	
60 mm, contact free	
integrated	

RV 10 control V Ident. No. 0008037700
RV 10 control V-C Ident. No. 0008037900
RV 10 control FLEX Ident. No. 0008038100
RV 10 control V auto Ident. No. 0008037800
RV 10 control V-C auto Ident. No. 0008038000
RV 10 control FLEX auto Ident. No. 0008038200

Rotary Evaporators | Accessories

RV 10.1 Set of glassware, vertical

RV 10.10 Set of glassware, vertical-coated

Compact vertical condenser for all standard distillations.
● Glassware included in all packages except FLEX.

RV 10.1 Ident. No.	0003655300
RV 10.10 Ident. No.	0003755400



RV 10.2 Set of glassware, diagonal

RV 10.20 Set of glassware, diagonal-coated

Diagonal condenser for all standard distillations.

RV 10.2 Ident. No.	0003755300
RV 10.20 Ident. No.	0003755500



RV 10.3 Vertical-intensive condenser with manifold

RV 10.30 Vertical-intensive condenser with manifold, coated

Vertical-intensive condenser with double jacket and manifold for particularly efficient condensation.

RV 10.3 Ident. No.	0003741000
RV 10.30 Ident. No.	0003741100



RV 10.4 Dry ice condenser

RV 10.40 Dry ice condenser, coated

Dry ice condenser for distilling low-boiling point solvents.
● Not possible with auto distillation mode on RV 10 control.

RV 10.4 Ident. No.	0003742000
RV 10.40 Ident. No.	0003742100



RV 10.5 Vertical condenser with manifold and cut-off valve for reflux distillation

RV 10.50 Vertical condenser with manifold and cut-off valve for reflux distillation, coated

The solvent to be distilled can be continuously fed in through the PTFE inlet tube.
● Requires RV 10.74 Vapor tube short.

RV 10.5 Ident. No.	0003743000
RV 10.50 Ident. No.	0003743100



RV 10.6 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation

RV 10.60 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation, coated

The manifold features a condensate cover and an outlet channel which prevents the condensate from coming into contact with the seal.

● Requires RV 10.74 Vapor tube short.

RV 10.6 Ident. No.	0003744000
RV 10.60 Ident. No.	0003744100



Evaporation flask NS 29/32

	Ident. No.
RV 10.80, 50 ml	0003740100
RV 10.81, 100 ml	0003740200
RV 10.82, 250 ml	0003740300
RV 10.83, 500 ml	0003740400
RV 10.84, 1000 ml	0003740500
RV 10.85, 2000 ml	0003740600
RV 10.86, 3000 ml	0003740700



Receiving flask KS 35/20

	Ident. No.
RV 10.100, 100 ml	0003742200
RV 10.101, 250 ml	0003742300
RV 10.102, 500 ml	0003742400
RV 10.103, 1000 ml	0003742500
RV 10.104, 2000 ml	0003742600
RV 10.105, 3000 ml	0003742700
RV 10.200, coated 100 ml	0003743200
RV 10.201, coated 250 ml	0003743300
RV 10.202, coated 500 ml	0003743400
RV 10.203, coated 1000 ml	0003743500
RV 10.204, coated 2000 ml	0003743600
RV 10.205, coated 3000 ml	0003743700

RV 05.10 Balljoint clamp

Ident. No.	0000736600
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RV 10.88 Clamp NS 29

Ident. No.	0003683300
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RV 10.70 Vapor tube NS 29/32

Ident. No.	0003812200
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RV 10.74 Vapor tube short NS 29/32

Ident. No.	0003971700
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RV 10.840 Evaporation flask NS 24/40, 1 l, coated

Ident. No.	0004221400
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Rotary Evaporators | Accessories

Powder flask NS 29/32

Optimizes powder drying applications by avoiding the accumulation of powder on the walls of the flask.

RV 10.300, 500 ml Ident. No.	0003738200
RV 10.301, 1000 ml Ident. No.	0003738300
RV 10.302, 2000 ml Ident. No.	0003738400



Evaporation cylinder NS 29/32

Makes retrieval of viscous substances easy.

RV 10.400, 500 ml Ident. No.	0003738800
RV 10.401, 1500 ml Ident. No.	0003738900



RV 10.500 Foam brake NS 29/32

The rising foam produces bursts in the glass ball extension. This stops foam from entering the receiving flask.

● Note: when using a 3 liter evaporation flask, RV 10.3000 Extension plate is required.

Ident. No.	0003739200
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RV 10.4001 Magnetic valve in-house vacuum

Industrial vacuum source for many different in-house users; usually fixed pipes.

● Accessory required for an existing vacuum.

Ident. No.	0003902600
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Distilling spider with distilling sleeves NS 29/32

For simultaneous distillation in 6, 12 or 20 distilling sleeves.

RV 10.600 Distilling spider, 6 distilling sleeves Ident. No.	0003739400
RV 10.601 Distilling spider, 12 distilling sleeves Ident. No.	0003739500
RV 10.602 Distilling spider, 20 distilling sleeves Ident. No.	0003739600
RV 10.610 Distilling sleeve, 20 ml Ident. No.	0003919400



Distilling spider with 5 flasks NS 29/32

For simultaneous distillation in 5 evaporation flasks.

RV 10.606 Distilling spider with 5 flasks, 50 ml Ident. No.	0003740800
RV 10.607 Distilling spider with 5 flasks, 100 ml Ident. No.	0003740900
RV 10.90 Evaporation flask, 50 ml Ident. No.	0003741200
RV 10.91 Evaporation flask, 100 ml Ident. No.	0003741300



RV 10.8001 Seal

New airtight lip-seal from PTFE with a built-in stainless steel spring.

Ident. No.	0003907000
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RV 10.4002 Magnetic valve laboratory vacuum

High quality vacuum valve for an optimum controlled operation. The integrated check valve eliminates external influence on the operating pressure in the vacuum chamber.

● Accessory required for an existing vacuum.

Ident. No.	0003880300
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RV 10.4003 Pump control incl. magnetic valve

One rotary evaporator at one pump/tabletop operation. The pump only works when vacuum is needed — leading to a savings of up to 90% of operating time, increased equipment life and reduction of noise. Integrated LED display.

● Accessory required for an existing vacuum. For non-EU countries a plug adapter is required.

Ident. No.	0003900200
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RV 10.5001 Choke water valve

The integrated magnetic valve closes/opens the water circuit during automatic distillation.

● Accessory recommended for tap water connection.

Ident. No.	0003902700
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RV 10.5002 Filter

To prevent contamination of the water pipes. With removable filter for easy cleaning.

● Accessory recommended for tap water connection.

Ident. No.	0003903800
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RV 10.5003 Pressure regulating valve

For adjusting the cooling water pressure when connecting to a tap water system.

● Accessory recommended for tap water connection.

Ident. No.	0003907100
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N 920 Speed control pump

Allows high suction speed even in the low-vacuum range.

Ident. No.	0003919100
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LVS 105 T-ef Vacuum pump

Compact, dry-running, chemical resistant pump systems, the ideal solution for many applications in chemical laboratories and research.

Ident. No.	0004067800
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MPC 105 T Vacuum pump

For dry, oil-free applications in the low vacuum range.

Ident. No.	0004067700
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MVP 10 basic

For dry, oil-free applications in the low vacuum range.

Ident. No.	0003980000
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HB 10.1 Shield

For optimal protection against splashes of hot liquid.

Ident. No.	0003641800
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HB 10.2 Protective cover

Essential accessory if it is not possible to work in an extractor hood. Protects the user against splashes of hot liquid and in the event of the evaporator flask breaking.

Ident. No.	0003641000
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SC 920 D400 Vacuum pump system

Ident. No.	0004583600
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VCV 1 Vacuum control valve, manual

Ident. No.	0004249900
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RV 10.3000 Extension plate

Accessories required when using RV 10.5000 Foam brake.

● Note: Allows the heating bath to be moved 150 mm horizontally.

Accessories required when using the RV 10.500 Foam brake and 3 liter evaporation flask.

Ident. No.	0003859000
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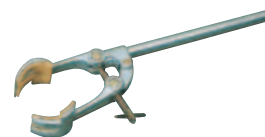
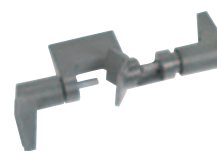


Mechanical Accessories

① R 104 Stand	② R 1827 Plate stand	④ R 2723 Telescopic stand
Ident. No. 0003386000	With slip resistant foil. Ident. No. 0003160200	Has a pneumatic spring to support heavier machines while lowering and raising the unit attached to it. Ident. No. 0001412100
R 1825 Plate stand	③ R 2722 H-Stand	⑤ T 653 Telescopic stand
Ident. No. 0003160000	Provides optimum stability required for larger, heavier instruments and attachments. Ident. No. 0001412000	Equipped with a pneumatic spring which enables effortless raising and lowering of the dispersion unit. Ident. No. 0001608000
R 1826 Plate stand		
Ident. No. 0003160100		



H 44 Boss head clamp	R 270 Boss head clamp	R 350 Universal clamp
Ident. No. 0002437700	Ident. No. 0002657800	Ident. No. 0001752900



R 200 Clamp	R 271 Boss head clamp	RH 3 Strap clamp
Ident. No. 0003372000	Ident. No. 0002664000	Ident. No. 0003008600



R 182 Boss head clamp
Ident. No. 0002657700



Electronic Accessories



⑥ R 474 Telescopic stand	⑦ R 472 Floor stand
Equipped with a pneumatic spring which enables effortless raising and lowering of the dispersion unit. Ident. No. 0001643000	Mobile floor stand. Ident. No. 0000738700
⑧ R 4765 Floor stand	
Ident. No. 0004035000	



LABLIFT m
Ident. No. 0004022400



RH 5 Strap clamp
Ident. No. 0003159000



PT 100.23 Temperature sensor	DTM 12.10 Data cable
Ident. No. 0003122100	Ident. No. 0003127800

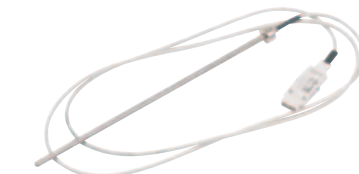


PT 100.24 Temperature sensor	DTM 12.15 Adapter cable PH-probe
Ident. No. 0003122200	Ident. No. 0003128300



PC 1.2 Adapter
Ident. No. 0002616800

PT 100.27 Temperature sensor
Ident. No. 0003122500



Laboratory Reactors



Available
05.2013

Technical data

Usable volume	300 – 1000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100,000 mPas
Speed range	10 – 150 rpm
Display	LED
Heat output	1000 W
Heat control accuracy	± 1 K
Dimensions (W x D x H)	443 x 295 x 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%

LR 1000 basic Package

Usable volume	300 – 1000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100,000 mPas
Speed range	10 – 150 rpm
Display	LED
Heat output	1000 W
Heat control accuracy	± 1 K
Dimensions (W x D x H)	443 x 295 x 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0008040100

LR 1000 control



Torque trend measurement indicates changes in viscosity of the product



Large, easy-to-read TFT display for better image quality and easy navigation



Possibility to connect pH electrode



reddot design award
winner 2013



Technical data

Usable volume	300 – 1000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100,000 mPas
Speed range	10 – 150 rpm
Display	TFT
Heat output	1000 W
Heat control accuracy	± 1 K
Dimensions (W x D x H)	443 x 295 x 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%

LR 1000 control Package

Usable volume	300 – 1000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100,000 mPas
Speed range	10 – 150 rpm
Display	TFT
Heat output	1000 W
Heat control accuracy	± 1 K
Dimensions (W x D x H)	443 x 295 x 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%

Ident. No. 0008040200

Laboratory Reactors | Packages



LR-2.ST Package 1

Basic package with reactor cover (sealing material: FFPM) consisting of:

- Stand system LR-2.ST
- LR-2.SI Safety disconnection
- EUROSTAR 200 control P4
- LR 2000.11 Anchor stirrer with flow borings
- LR 2.1 Single-walled reactor vessel

Ident. No. 0009023600

LR-2.SI safety shutdown (essential accessory for LR-2 tripod system)

Ident. No. 0003318300



LR-2.ST Package 2

Basic package with reactor cover (sealing material: FFPM) consisting of:

- Stand system LR-2.ST
- LR-2.SI Safety disconnection
- EUROSTAR 200 control P4
- LR 2000.11 Anchor stirrer with flow borings
- LR 2000.1 Double-walled reactor vessel with quick-action connectors

Ident. No. 0009023700

LR-2.SI safety shutdown (essential accessory for LR-2 tripod system)

Ident. No. 0003318300



LR-2.ST Package 3

Basic package with reactor cover (sealing material: FFPM) consisting of:

- Stand system LR-2.ST
- LR-2.SI Safety disconnection
- EUROSTAR 200 control P4
- LR 2000.11 Anchor stirrer with flow borings
- LR 2000.2 Double-walled reactor vessel with quick-action connectors and bottom discharge valve

Ident. No. 0009023800

LR-2.SI safety shutdown (essential accessory for LR-2 tripod system)

Ident. No. 0003318300

Laboratory Reactors | Accessories

Reactor vessel and stirrers

LR 1000.1 Laboratory reactor vessel

Ident. No. 0003602000

LR 1000.11 Anchor stirrer

Ident. No. 0004663000

LR 1000.10 Anchor stirrer with PTFE scrapers

Ident. No. 0004663100

LR 1000.20 Flow breaker / baffle

Ident. No. 0004663200

Dispersing / Homogenization

T 25 digital

High-performance dispersing instrument for volumes 1 – 2000 ml (H₂O).

Ident. No. 0003725000

LR 1000.41 Shaft receptacle

To install the dispersing elements S 25 KV.

Ident. No. 0004664300

LR 1000.61 Sensor receptacle

To install the temperature sensors PT 100.25 and PT 100.5.

Ident. No. 0004664400

S 25 KV - 25 F Dispersing element

Ident. No. 0002404000

S 25 KV - 25 G Dispersing element

Ident. No. 0002466900

S 25 KV - 18 G Dispersing element

Ident. No. 0002348000

Temperature measurement

PT 100.5 Temperature sensor

Ident. No. 0002506800

pH Measurement

LR 1000.64 pH Electrode

LR 1000.65 pH Electrode receptacle

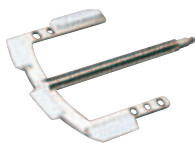
Ident. No. 0004663300 | 0004663400



Our accessories allow for the reactor system to be adapted in order to accommodate a variety of application needs.

Laboratory Reactors | Accessories

LR 2000.10 Anchor stirrer
With PEEK scrapers, for all laboratory reactors.
Ident. No. 0002508400



LR 2000.11 Anchor stirrer
With flow borings, for all laboratory reactors.
Ident. No. 0002509500



LR 2000.20 Flow breaker
For LR-2.ST.
Ident. No. 0002508500



LR 2000.1 Reactor vessel
Double-walled, with quick-action connectors, for LR-2.ST.
Ident. No. 0002508300



LR 2.1 Reactor vessel
Single-walled, for LR-2.ST.
Ident. No. 0003070000



LR 2000.40 Shaft receptacle
To install the dispersing elements S 25 KV.
Ident. No. 0002509200



LR 2000.60 Sensor receptacle
Ident. No. 0002509300



LR-2.SP Splinter shield
Prevents potential injuries caused by broken glass and burns as a result of accidentally touching the hot reactor vessel.
Ident. No. 0003326400

LR 2000.2 Reactor vessel
Double-walled, with quick-action connectors and bottom discharge valve, for LR-2.ST.
Ident. No. 0002509600

LR 2000.65 PH-Measuring sensor FFPM
Ident. No. 0003172600

PH 225.1 Electrode temperature sensor
Ident. No. 0003122600

Pipettes | ALPHA Series



Available
09.2013



Ultra light weight and ergonomic design for comfortable control



Supplied with individual quality certificate (QC) and calibration report as per ISO 8655



Fully autoclavable for easy sterilization

IKA® ALPHA fix			Ident No.
IKA® ALPHA fix 2.5 µl	●		0004391300
IKA® ALPHA fix 5 µl	●		0004390000
IKA® ALPHA fix 10 µl	●		0004390100
IKA® ALPHA fix 20 µl	●		0004390200
IKA® ALPHA fix 25 µl	●		0004390300
IKA® ALPHA fix 50 µl	●		0004390400
IKA® ALPHA fix 100 µl	●		0004390500
IKA® ALPHA fix 200 µl	●		0004390600
IKA® ALPHA fix 250 µl	●		0004390700
IKA® ALPHA fix 500 µl	●		0004390800
IKA® ALPHA fix 1000 µl	●		0004390900
IKA® ALPHA fix 2 ml	●		0004391000
IKA® ALPHA fix 5 ml	●		0004391100
IKA® ALPHA fix 10 ml	●		0004391200

* Colors stand for volume range

IKA® ALPHA vario			Ident No.
IKA® ALPHA vario 0.1 – 2.5 µl	●		0004393200
IKA® ALPHA vario 0.5 – 10 µl	●		0004392000
IKA® ALPHA vario 2 – 20 µl	●		0004392600
IKA® ALPHA vario 5 – 50 µl	●		0004392100
IKA® ALPHA vario 10 – 100 µl	●		0004392400
IKA® ALPHA vario 20 – 200 µl	●		0004392700
IKA® ALPHA vario 50 – 200 µl	●		0004392200
IKA® ALPHA vario 100 – 1000 µl	●		0004392500
IKA® ALPHA vario 200 – 1000 µl	●		0004392300
IKA® ALPHA vario 0.5 – 5 ml	●		0004392900
IKA® ALPHA vario 0.5 – 10 ml	●		0004393100
IKA® ALPHA vario 1 – 5 ml	●		0004392800
IKA® ALPHA vario 1 – 10 ml	●		0004393000

Pipettes | PRECISION Series

Pipettes | MULTICHANNEL Series

IKA®
PRECISION
Series



Locking mechanism prevents
accidental volume change
(Only for IKA® PRECISION series)

UV
Resistant

Resistant to UV radiation for
enhanced durability



Volume range color coding
for easy pipette selection

Available
09.2013



IKA® PRECISION fix			Ident No.
IKA® PRECISION fix 2.5 µl	●		0004394000
IKA® PRECISION fix 5 µl	●		0004394100
IKA® PRECISION fix 10 µl	●		0004394200
IKA® PRECISION fix 20 µl	●		0004394300
IKA® PRECISION fix 25 µl	●		0004394400
IKA® PRECISION fix 50 µl	●		0004394500
IKA® PRECISION fix 100 µl	●		0004394600
IKA® PRECISION fix 200 µl	●		0004394700
IKA® PRECISION fix 250 µl	●		0004394800
IKA® PRECISION fix 500 µl	●		0004394900
IKA® PRECISION fix 1000 µl	●		0004395000
IKA® PRECISION fix 2 ml	●		0004395100
IKA® PRECISION fix 5 ml	●		0004395200
IKA® PRECISION fix 10 ml	●		0004395300

* Colors stand for volume range

IKA® PRECISION vario			Ident No.
IKA® PRECISION vario 0.1 – 2.5 µl	●		0004396000
IKA® PRECISION vario 0.5 – 10 µl	●		0004396100
IKA® PRECISION vario 2 – 20 µl	●		0004396500
IKA® PRECISION vario 5 – 50 µl	●		0004396200
IKA® PRECISION vario 10 – 100 µl	●		0004396300
IKA® PRECISION vario 20 – 200 µl	●		0004396600
IKA® PRECISION vario 100 – 1000 µl	●		0004396400
IKA® PRECISION vario 0.5 – 5 ml	●		0004396700
IKA® PRECISION vario 1 – 10 ml	●		0004396800

IKA®
MC
Series



Clear 4 digit display
for volume setting



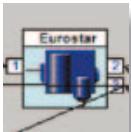
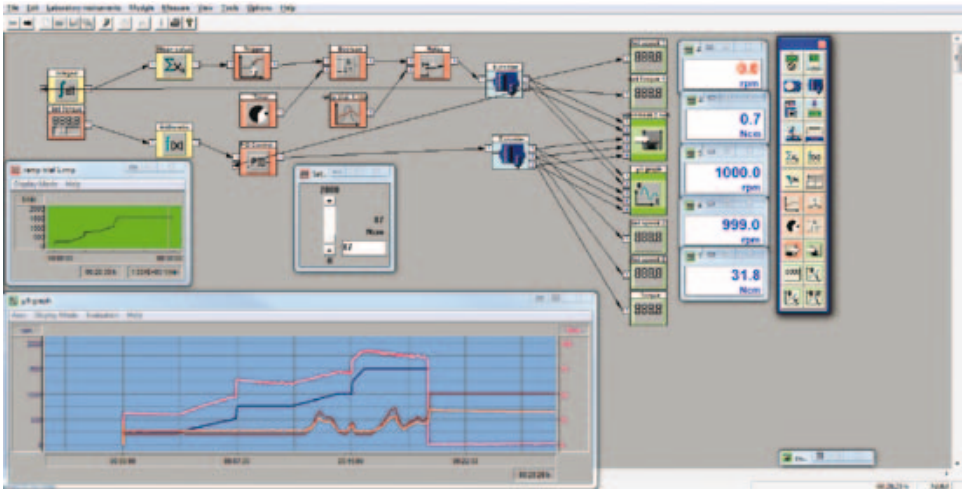
Chemically resistant,
shock proof tip cone

Available
09.2013

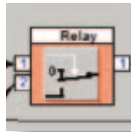


IKA® PRECISION MC 8			Ident No.
IKA® PRECISION MC 8 0.5 – 10 µl	●		0004398000
IKA® PRECISION MC 8 2 – 20 µl	●		0004398500
IKA® PRECISION MC 8 5 – 50 µl	●		0004398100
IKA® PRECISION MC 8 10 – 100 µl	●		0004398200
IKA® PRECISION MC 8 20 – 200 µl	●		0004398300
IKA® PRECISION MC 8 30 – 300 µl	●		0004398400

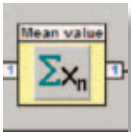
IKA® PRECISION MC 12			Ident No.
IKA® PRECISION MC 12 0.5 – 10 µl	●		0004399000
IKA® PRECISION MC 12 2 – 20 µl	●		0004399500
IKA® PRECISION MC 12 5 – 50 µl	●		0004399100
IKA® PRECISION MC 12 10 – 100 µl	●		0004399200
IKA® PRECISION MC 12 20 – 200 µl	●		0004399300
IKA® PRECISION MC 12 30 – 300 µl	●		0004399400



Blue modules represent laboratory devices that are physically present (hardware)



Red modules are used for manual and automatic control of devices



Yellow modules are used for arithmetic operations and to derive average values



Green modules are used for numeric or graphic display of measured values



General data

Hardware and software requirements

labworldsoft®

With this laboratory software, you can network up to 64 devices simultaneously via one PC, thus making the automation of your laboratory experiments and processes much more easy and efficient.

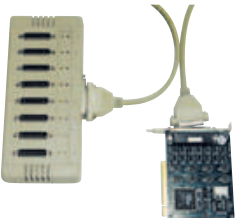
Pentium 90 with at least 16 MB RAM, 8 MB free hard disc memory, VGA-Display: monochrome with at least 16 levels of gray or color, Windows 95/98/2000/NT/ME/XP/7 and com ports can be upgraded for special needs.

Ident. No. 0002970000

PCI 8.2 Plug-in card

For mounting in the PC to connect up to 8 instruments simultaneously.

Ident. No. 0008017500



PC 4.1 RS 232 Server

Can control up to 4 lab units through the ethernet. The server supports 4 RS 232 ports with a 10/100 mbps ethernet interface by TCP/IP. The server can be set-up through the ethernet and works as a transparent serial COM-Port without restrictions of platform and distance.

Ident. No. 0003192000



PC 1.1 Cable

Ident. No. 0002616700

PC 1.5 Cable

Ident. No. 0002756000

PC 2.1 Cable

Ident. No. 0002700700

PC 2.3 Cable

Ident. No. 0003036200

DTM 12.10 Cable

Ident. No. 0003127800

PC 1.2 Adapter

Ident. No. 0002616800

PC 1.4 Adapter

Ident. No. 0002755900

PC 2.2 Adapter

Ident. No. 0002753200

PC 5.1 Adapter

Ident. No. 0002621500

Calorimeters



Available
08.2013



Automatic oxygen filling, venting and flushing



Operates either with a chiller (KV 600) or tap water when using the water heater C 1.20

C 1



The traditional heavy screw threaded bomb has been replaced by a light combustion chamber



Available
07.2013

Technical data

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes	Isoperibol (Regnault Pfaundler)

Start temperature settings	2 possible settings: 22 °C or 30 °C
Measurements per hour	Isoperibol (Regnault Pfaundler) 5

Jacket control	static, dry
Reproducibility (using NIST benzoic acid 39j)	Isoperibol (Regnault Pfaundler) 0.1% RSD

Number of decomposition vessel per unit	up to 4
---	---------

C 1

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes	Isoperibol (Regnault Pfaundler)

Start temperature settings	2 possible settings: 22 °C or 30 °C
Measurements per hour	Isoperibol (Regnault Pfaundler) 5

Jacket control	static, dry
Reproducibility (using NIST benzoic acid 39j)	Isoperibol (Regnault Pfaundler) 0.1% RSD

Number of decomposition vessel per unit	up to 4
---	---------

- 08 C 1 Ident. No. 0003825000
- 10 C 1 halogen resistant Ident. No. 0004505000
- 08 C 1 Package 1/10 Ident. No. 0008804900
- 10 C 1 halogen resistant Package 1/12 Ident. No. 0008805000
- 10 C 1 Package 2/10 Ident. No. 0008805100
- 10 C 1 halogen resistant Package 2/12 Ident. No. 0008805200

C 6000 isoperibol

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes	Adiabatic (Only global standards) Isoperibol (Regnault Pfaundler) Dynamic

Start temperature settings	3 possible settings: 22 °C, 25 °C, 30 °C
Measurements per hour	Adiabatic (Only global standards) 4 Isoperibol (Regnault Pfaundler) 3 Dynamic 7

Jacket control	controlled, water
Reproducibility (using NIST benzoic acid 39j)	Adiabatic (Only global standards) 0.05% Isoperibol (Regnault Pfaundler) 0.05% Dynamic 0.1%

Number of decomposition vessel per unit	up to 4
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- 05 C 6000 isoperibol Package 1/10 Ident. No. 0008804500
- 07 C 6000 isoperibol Package 1/12 Ident. No. 0008804600
- 05 C 6000 isoperibol Package 2/10 Ident. No. 0008804700
- 07 C 6000 isoperibol Package 2/12 Ident. No. 0008804800

C 6000 global standards

Maximum energy input	40,000 J
Resolution of temperature sensor PT 1000	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes	Adiabatic (Only global standards) Isoperibol (Regnault Pfaundler) Dynamic

Start temperature settings	3 possible settings: 22 °C, 25 °C, 30 °C
Measurements per hour	Adiabatic (Only global standards) 4 Isoperibol (Regnault Pfaundler) 3 Dynamic 7

Jacket control	controlled, water
Reproducibility (using NIST benzoic acid 39j)	Adiabatic (Only global standards) 0.05% Isoperibol (Regnault Pfaundler) 0.05% Dynamic 0.1%

Number of decomposition vessel per unit	up to 4
---	---------

- 05 C 6000 global standards Package 1/10 Ident. No. 0008804100
- 07 C 6000 global standards Package 1/12 Ident. No. 0008804200
- 05 C 6000 global standards Package 2/10 Ident. No. 0008804300
- 07 C 6000 global standards Package 2/12 Ident. No. 0008804400



Technical data

Input power max.	120 W
Rated voltage	24 V DC, 5 A
Fuse	1 x 2.5 AT
Max. ON-time	continuous operation
Range of measurement	40,000 J
Operating oxygen pressure	30 bar
Measuring mode	Isoperibol up to 17 min Dynamic up to 8 min Manual (Isoperibol) up to 17 min Time-controlled up to 14 min

Dimensions (W x D x H)	400 x 400 x 400 mm
Weight	21 kg
Ambient temperature	20 – 25 °C (constant)
Ambient humidity	80 %
Protection class according to DIN EN 60529	IP 21

C 200

Input power max.	120 W
Rated voltage	24 V DC, 5 A
Fuse	1 x 2.5 AT
Max. ON-time	continuous operation
Range of measurement	40,000 J
Operating oxygen pressure	30 bar
Measuring mode	Isoperibol up to 17 min Dynamic up to 8 min Manual (Isoperibol) up to 17 min Time-controlled up to 14 min

Dimensions (W x D x H)	400 x 400 x 400 mm
Weight	21 kg
Ambient temperature	20 – 25 °C (constant)
Ambient humidity	80 %
Protection class according to DIN EN 60529	IP 21

- C 200 Ident. No. 0008802500
- C 200 halogen resistant Ident. No. 0008803700

Technical data

Input power max.	1.8 kW
Power ON-time	continuous operation
Range of measurement	40,000 J
Operating oxygen pressure	30 bar
Cooling medium	tap water
Min. flow rate	60 l/h
Working mode / Start temperature	Isoperibol 25 °C Isoperibol 30 °C Dynamic 25 °C Dynamic 30 °C

Dimensions (W x D x H)	440 x 450 x 500 mm
Weight	35 kg
Ambient temperature	20 – 25 °C (constant)
Ambient humidity	80 %
Protection class according to DIN EN 60529	IP 21

C 2000

Input power max.	1.8 kW
Power ON-time	continuous operation
Range of measurement	40,000 J
Operating oxygen pressure	30 bar
Cooling medium	tap water
Min. flow rate	60 l/h
Working mode / Start temperature	Isoperibol 25 °C Isoperibol 30 °C Dynamic 25 °C Dynamic 30 °C

Dimensions (W x D x H)	440 x 450 x 500 mm
Weight	35 kg
Ambient temperature	20 – 25 °C (constant)
Ambient humidity	80 %
Protection class according to DIN EN 60529	IP 21

- C 2000 basic Version 1 Ident. No. 0008801800
- C 2000 basic Version 2 Ident. No. 0008801900
- C 2000 control Version 1 Ident. No. 0008802000
- C 2000 control Version 2 Ident. No. 0008802100
- C 2000 Extension device Ident. No. 0008802200

Calorimeters



C 5000
control
Package
2/10



User-friendly software C 5040 CalWin
for controlling the calorimeter and
administrating data



Automatic oxygen filling and degassing
of the decomposition vessel



Automatic water handling system

Technical data

Input power max.

Power ON-time

Range of measurement

Operating oxygen pressure

Cooling medium

Flow rate

Working mode

Dimensions (W x D x H)

C 5000 control Package 1

C 5000 control Package 2

Weight Package 1

Ambient temperature

Ambient humidity

Protection class according to DIN EN 60529



C 5000

1.3 kW

continuous operation

40,000 J

30 bar

tap water

18 – 42 l/h

Adiabatic

Isoperibol

Dynamic

740 x 380 x 400 mm

560 x 380 x 400 mm

61 kg

20 – 25 °C (constant)

80 %

IP 21

C 5000 control Package 1/10 Ident. No. 0008803000

C 5000 control Package 1/12 Ident. No. 0008803300

C 5000 control Package 2/10 Ident. No. 0008803200

C 5000 control Package 2/12 Ident. No. 0008803400



Technical data

Input power max.

Power ON-time

Range of measurement

Operating oxygen pressure

Cooling medium

Flow rate

Working mode

Dimensions (W x D x H)

Weight

Ambient temperature

Ambient humidity

Protection class according to DIN EN 60529

C 7000

0.1 kW

continuous operation

30,000 J

30 bar

tap water

2 – 3 l/h

Patented

Double dry

310 x 490 x 395 mm

43 kg

18 – 30 °C (constant)

80 %

IP 21

C 7000 Basic equipment set 1 Ident. No. 0008800900

C 7000 Basic equipment set 2 Ident. No. 0008801400

C 5040 CalWin

C 6040 CalWin

C 5041.10 Connection cable

Ident. No. 0003045000 | Ident. No. 0004040500

Ident. No. 0003036000



Available
07.2013



Calorimeters | Accessories and consumables

C 1 Accessories and Consumables

08 C 1.20 Waterheater	08 C 1.121 Set of spare parts
Ident. No. 0004501000	Contains standard consumables, wearing parts for the C 1 calorimeter series and the decomposition vessel C 1.12 for approximately 1000 experiments.
	Ident. No. 0004502300
08 C 1.50 Dot matrix printer	C 1.103 Ignition wire, standard
Ident. No. 0004500600	Material: Kantal (Qty. 5)
	Ident. No. 0004579300
	
08 C 1.35 Venting bottle	08 C 1.123 Ignition wire, platinum
Ident. No. 0004500800	Material: Platinum; These wires are recommended when your samples contain chlorine (Qty. 2).
	Ident. No. 0004500200
	
08 C 1.1012 Organizer	04 C 6000 Accessories and Consumables
For more comfortable handling of the decomposition vessels, we recommend one organizer per decomposition vessel.	C 6010 Decomposition vessel, standard
Ident. No. 0004500700	Standard decomposition vessel.
	Ident. No. 0003770000
08 C 1.30 Gas washing station	07 C 6012 Decomposition vessel, halogen
To vent the combustion gas in a controlled manner into an absorption solution for further analysis.	Halogen resistant decomposition vessel. Includes catalysts for a higher recovery rate on halogens and sulphur.
Ident. No. 0004500900	Ident. No. 0004504000
08 C 1.10 Combustion chamber	04 C 6030 Gas washing station
Standard combustion chamber, upper and lower part.	To vent the combustion gases in a controlled manner into an absorption solution for further analysis.
Ident. No. 0004500300	Ident. No. 0004504100
08 C 1.12 Combustion chamber, halogen resistant	07 C 60.1012
Ident. No. 0004500400	For more comfortable handling of the decomposition vessels, we recommend one organizer per decomposition vessel. One is already included with the calorimeter package.
	Ident. No. 0004504200
08 C 1.101 Set of spare parts	04 C 6000.10 Set of spare parts
Contains standard consumables, wearing parts for the C1 calorimeter series and the combustion chamber C 1.10 for approximately 1000 experiments.	Contains standard consumables, wearing parts for the C 6000 calorimeter series and the decomposition vessel C 6010 for approximately 1000 experiments.
Ident. No. 0004502200	Ident. No. 0004504300

07 C 6000.12 Set of spare parts
Contains standard consumables, wearing parts of the calorimeters of C 6000 series and the decomposition vessel C 6012 for approximately 1000 experiments.
Ident. No. 0004504400
Accessories for all Calorimeters
C 29 Pressure gauge, oxygen
Ident. No. 0000750200

KV 600 Cooling water supply (230 V)
Ident. No. 0003410500
C 21 Pelleting press
Ident. No. 0001605300

04 C 5010.8 Crucible holder, small
Ident. No. 0004579800

C 5010.5 Crucible holder, big
Ident. No. 0003055900

C 200 Accessories
C 248 Oxygen station
Ident. No. 0003520000

C 200.1 Measuring cup 2000 ml
Ident. No. 0003548900

C 200.2 Conversion kit for C 5012
Ident. No. 0004028800

C 200, C 2000, C 5000 Accessories
C 5010 Decomposition vessel, standard
Ident. No. 0007114000

C 5012 Decomposition vessel, halogen resistant
Ident. No. 0007215000

C 7012 Decomposition vessel, halogen resistant
Ident. No. 0003017000

C 7002 Cooling system
Ident. No. 0007011000

C 48 Oxygen station
Ident. No. 0001560000

C 7030 Venting station
Ident. No. 0003013300

C 5030 Venting station
Ident. No. 0007198000

C 5010.4 Attachment for combustible crucible C 14
Ident. No. 0003016900

C 5010.5 Crucible holder, big
Ident. No. 0003055900

C 26 Prep Stand
Ident. No. 0008804000

C 2000, C 5000 Accessories
C 5020 Sample rack
Ident. No. 0007145000

C 2000 Accessories
C 25 Pressure regulating valve
Ident. No. 0003197200

C 7000 Accessories
C 7000 Measurement cell
Ident. No. 0003008000

C 7010 Decomposition vessel, standard
Ident. No. 0003015000

C 7010.8 Venting handle
Ident. No. 0007095000

Consumables for all Calorimeters
C 5003.1 Aqua Pro stabilizing agent (2x 20 ml)
Adjusts the conductivity of the water to achieve optimal performance of the calorimeter. Prevents growth of algae (Volume 40 ml). It is suitable only for C 2000, C 5000 and C 6000 calorimeters.
Ident. No. 0007207700



C 710.4 Cotton thread, cut to length
Ident. No. 0001483700



04 C 710.8 Cotton thread, cut to length, thick
Ident. No. 0004579900

C 4 Quartz dish
Ident. No. 0001695500



C 5 Set of VA combustion crucibles (25 pcs.)
Ident. No. 0001749500



Calorimeters | Accessories and consumables

C 6 Quartz dish, big

Ident. No. 0000355100



C 710.2 Set of VA combustion crucibles (25 pcs.)

Ident. No. 0001483500



C 9 Gelatine capsules (100 pcs.)

Gelatine capsules are recommended in the ASTM D 240 for testing liquid hydrocarbon fuels. The capsule prevents splashing of the sample when igniting and supports the decomposition through their additional energy (Qty. 100).

Ident. No. 0000749900



C 10 Acetobutyrate capsules (100 pcs.)

Ident. No. 0000750000



C 12 Combustion bags 40 x 35 mm (100 pcs.)

Ident. No. 0002201400



C 12 A Combustion bags 70 x 40 mm (100 pcs.)

Ident. No. 0002201500

C 15 Paraffin strips

Ident. No. 0003131100



C 16 Parafilm 1000 x 50 mm

Ident. No. 0003801100



C 17 Paraffin, liquid (30 ml)

Ident. No. 0003801200



C 43 Benzoic acid NIST 39i, 30 g

High purity benzoic acid powder. Must be pressed into pellets before decomposition! Standard Reference Material with certificate from the "National Institute of Standards & Technology (NIST), USA" (Qty. 30 g).

Ident. No. 0000750600



C 723 Benzoic acid, blister package (50 | 450 pcs.)

Pelleted and blister packaged IKA® standard benzoic acid tablets with IKA®-certified gross calorific value for the calibration of the calorimeter (Qty. 50 | 450 pieces each 0.5 g).

Ident. No. 0003243000 | 0003717400



AOD 1.11 Control standard (50 ml)

Mineral oil with known sulphur- and chlorine content. Includes detailed work-instructions and a certificate. Recommended for the following: to check the handling, decomposition procedure and the respective peripheral detection devices (Volume 50 ml).

Ident. No. 0003044000

AOD 1.12 Control standard (50 ml)

Mineral oil with known bromine and fluorine content. Includes detailed work-instructions and a certificate. Recommended for the following: to check the handling, decomposition procedure and the respective peripheral detection devices (Volume 50 ml).

Ident. No. 0003080200



C 200, C 2000, C 5000, C 7000 Consumables

C 5010.3 Ignition wire, spare (5 pcs.)

Ident. No. 0007122800

C 5012.3 Ignition wire, platinum (2 pcs.)

Ident. No. 0002994900

C 14 Combustible crucible (100 pcs.)

Ident. No. 0007224500

C 58 Set of wearing parts

Ident. No. 0003296300

C 59 Combustion crucibles for C 62

Ident. No. 0003266000

C 08 Pure ignition wire, (for C 2000 high pressure), 200 m coil

Ident. No. 0000749600

Instruction on the IKA® calorimeter system

Decomposition System

AOD 1 Decomposition system

Ident. No. 0008801300

Decomposition Accessories

AOD 1.1 Decomposition system

Ident. No. 0003303000

AOD 1.2 External ignition unit

Ident. No. 0003348000

AOD 1.3 Protection device

Ident. No. 0003308000

AOD 1.13 Remote ignition head

Ident. No. 0003348100

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E-Mail: applicationsupport@ika.de

* Monday – Thursday from 8:30 - 16:30
Friday from 8:30 - 15:30

We will process your inquiry within 48 hours of receiving it.

You may also send us your sample. We will test it for you with a device suitable for your application.

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 Available Q2/2013

 Available Q3/2013

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 Available 2014

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Indications not binding for delivery

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