



Product Overview 2015



German technology
made in the USA

Welcome to the IKA® group

IKA®-Werke GmbH & Co. KG in Staufen, Germany can 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

The cover of this brochure is a collection of images of our IKAworldwide instagram followers. We would like to say Thank You to all of them.



IKAworldwide | #lookattheblue

Mixing

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Mixing

Magnetic Stirrers



Overhead Stirrers



Shakers



Crushing

Dispersers

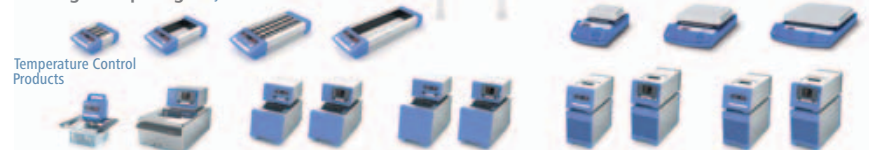


Mills

Heating / Tempering

Dry Block Heaters

Hotplates



Separation

Centrifuge

Rotary Evaporators



Laboratory Reactors

Analytical Technology

Calorimeters

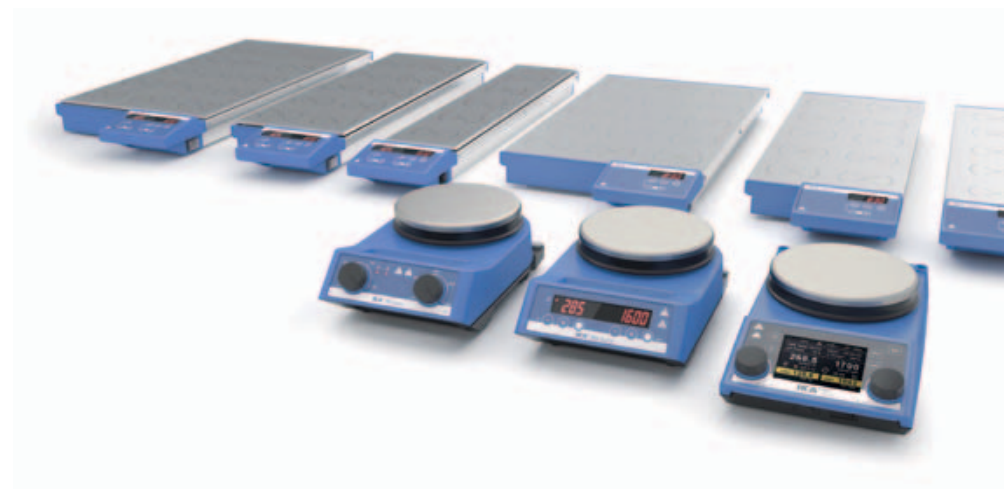


Software labworldsoft® / CalWin

Magnetic stirrers



IKA® magnetic stirrers are made for Scientists. When a product is developed, the engineers focus on safety, power and intelligence. There is a complete range of magnetic stirrers to handle various tasks, applications and quantities, either with or without heating capabilities and with open or closed vessels. IKA® stirrers require up to 25% less energy than other manufacturer's products.



Patented

RET® control-visc with white coated heating plate!

- > Offers excellent chemical resistance
- > Easy to clean

RET®
control-
visc



Integrated temperature sensor for precise temperature control



Integrated function allows the user to measure weight changes of up to 5,000 g



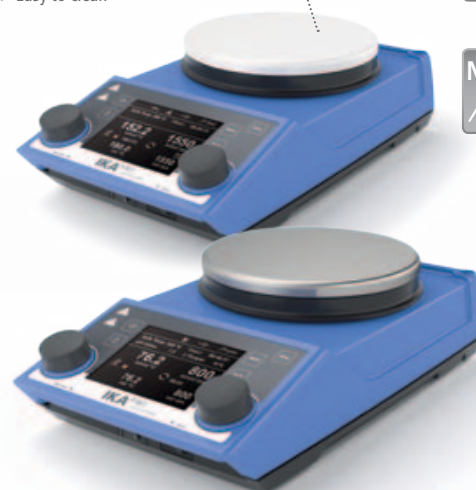
Torque trend measurement
Viscosity changes in the medium can be measured by using a torque measurement device. The results can be depicted on the display



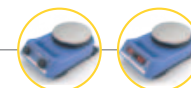
RS 232 interface for PC connection



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



Magnetic stirrers with heating



RH digital



Hot Top indicator
to prevent burns

**RH basic / digital
with white coated
heating plate!**

- > Offers excellent chemical resistance
- > Easy to clean



Technical data

Max. stirring quantity (H ₂ O)	15 l
Motor rating input / output	20 / 2 W
Speed range	100 – 2000 rpm
Speed display	scale
Heat output	600 W
Temperature range	50 – 320 °C
Max. magnetic bar (L x Ø)	80 mm
Safety circuit	100 – 360 °C
Control accuracy with sensor	ETS-D5: ± 0.5 K ETS-D6: ± 0.2 K
Heating plate material	stainless steel 1.4301 white ceramic
Dimensions	Ø 135 mm
Weight	2.8 kg

Price \$ 690 | \$ 718

Ident. No. 5019701
Ident. No. 5029701

RH digital | RH digital white

Max. stirring quantity (H ₂ O)	15 l
Motor rating input / output	20 / 2 W
Speed range	100 – 2000 rpm
Speed display	LED
Heat output	600 W
Temperature range	50 – 320 °C
Max. magnetic bar (L x Ø)	80 mm
Safety circuit	100 – 360 °C
Control accuracy with sensor	ETS-D5: ± 0.5 K ETS-D6: ± 0.2 K
Heating plate material	stainless steel 1.4301 white ceramic
Dimensions	Ø 135 mm
Weight	2.8 kg

Price \$ 740 | \$ 781

Ident. No. 5019801
Ident. No. 4678001

Digital
Display

Digital display for
precise monitoring of
speed and temperature



Adjustable safety
temperature



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 ETS-D6: ± 0.2 K
Heating plate material	aluminum alloy
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2.5 kg

Price

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 – 310 °C
Adjustable safety circuit	50 – 360 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0.5 K ETS-D6: ± 0.2 K
Heating plate material	aluminum alloy
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2.5 kg

Price \$ 890 | \$ 1,297 | \$ 1,171

RCT basic safety control
Ident. No. 3810001*
RCT Synthesis Package 1
Ident. No. 8039601*
RCT Synthesis Package 2
Ident. No. 8039701*



Watch the video:
www.ika.com/video



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

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

**Package details
on page 160**

* PT 1000.60 included in delivery.

Magnetic stirrers with heating



RET® control-visc with white coated heating plate!

- > Offers excellent chemical resistance
- > Easy to clean



Watch the video:
www.ika.com/video



Technical data

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 ETS-D6: ± 0.2 K
Heating plate material	stainless steel
Heating plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 95 mm
Weight	2.5 kg

Price \$ 980

Ident. No. 3622001

RET® control-visc | RET® control-visc white

replaces RET control/t

20 l
16 / 9 W
50 – 1700 rpm
600 W
RT – 340 °C
50 – 380 °C

PT 100: ± 0.2 K

stainless steel 1.4301 | white ceramic

Ø 135 mm
160 x 270 x 85 mm
3 kg

\$ 1,307 | \$ 1,525

Ident. No. 5020001*
Ident. No. 5030001*

* PT 100.70 included in delivery



Phil S. Baran
Ph.D.
Recipient of MacArthur
Genius Grant

Baran
uses IKA®
equipment

Patented



TFT display for better image quality and easy navigation



Extra strong heating



Integrated temperature sensor for precise temperature control

RET® control-visc



Torque trend measurement
Viscosity changes in the medium can be measured by using a torque measurement device. The results can be depicted on the display



Integrated weighing function allows the user to measure weight changes of up to 5,000 g



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



The Magnetic Stirrer for Scientists

Strongest and safest magnetic stirrer in its class with integrated patented weighing function and high sensitive torque trend indication

Magnetic stirrers with heating



Watch the video:
www.ika.com/video



**C-MAG
HS 7**



DIN Bushing 12878 for connecting an electronic contact thermometer



Elevated control panel for protection against spilled liquids



Hot Top indicator to prevent burns



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



Technical data

	C-MAG HS 4	C-MAG HS 7	C-MAG HS 10
Max. stirring quantity (H ₂ O)	5 l	10 l	15 l
Motor rating input / output	15 / 1.5 W	15 / 1.5 W	15 / 1.5 W
Speed range	100 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Heat output	250 W	1000 W	1500 W
Temperature range	50 – 500 °C	50 – 500 °C	50 – 500 °C
Display	LED	LED	LED
Max. stirring bar length	30 mm	80 mm	80 mm
Safety circuit	550 °C (fixed)	550 °C (fixed)	550 °C (fixed)
Control accuracy with sensor	–	ETS-D5 / ± 0.5 K	ETS-D5 / ± 0.5 K
Heating plate material	ceramic	ceramic	ceramic
Set-up plate dimensions	180 x 100 mm	180 x 180 mm	260 x 260 mm
Weight	3 kg	5 kg	6 kg

Price

\$ 505	\$ 518 \$ 759	\$ 632
Ident. No. 3581001	Ident. No. 3581201 C-MAG HS 7 Package Ident.No. L005457	Ident. No. 3581401

Package details
on page 160

IKA®+

PT 1000.60 temperature sensor included in the delivery.



LCD display for simultaneous display of target and actual temperatures



Integrated temperature sensor for precise temperature control



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

**C-MAG
HS 7
digital**



Hot Top indicator to prevent burns



Elevated control panel for protection against spilled liquids



Technical data

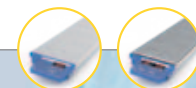
	C-MAG HS 4 digital	C-MAG HS 7 digital	C-MAG HS 10 digital
Max. stirring quantity (H ₂ O)	5 l	10 l	15 l
Motor rating input / output	15 / 1.5 W	15 / 1.5 W	15 / 1.5 W
Speed range	100 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Heat output	250 W	1000 W	1500 W
Temperature range	50 – 500 °C	50 – 500 °C	50 – 500 °C
Display	LCD	LCD	LCD
Max. stirring bar length	30 mm	80 mm	80 mm
Adjustable safety circuit	550 °C (fixed)	550 °C (fixed)	550 °C (fixed)
Control accuracy with sensor	± 0.5 K	± 0.5 K	± 0.5 K
Heating plate material	ceramic	ceramic	ceramic
Set-up plate dimensions	100 x 100 mm	180 x 180 mm	260 x 260 mm
Weight	3 kg	5 kg	6 kg

Price

\$ 515	\$ 551	\$ 809
Ident. No. 4240201*	Ident. No. 3487001*	Ident. No. 4240401*

* PT 1000.60 included in delivery

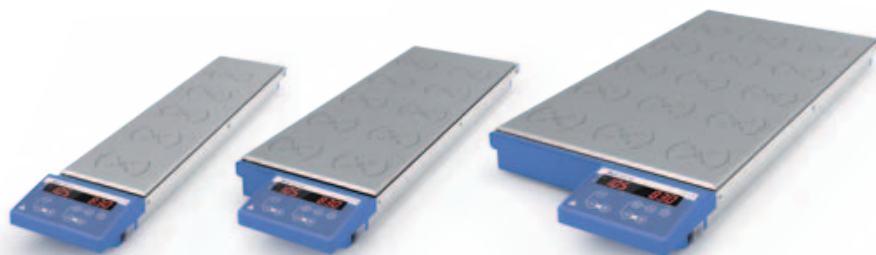
Multiposition stirrers with heating



NEW
Q2/2015

NEW
Q2/2015

NEW
Q2/2015



Technical data	RT 5 replaces RT 5 power	RT 10 replaces RT 10 power	RT 15 replaces RT 15 power
Number of stirring positions	5	10	15
Max. stirring quantity (H ₂ O)	0.4 l	0.4 l	0.4 l
Distance between stirring places	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%
Speed display	LED	LED	LED
Speed range	0 – 1000 rpm	0 – 1000 rpm	0 – 1000 rpm
Speed adjustment	10 rpm steps	10 rpm steps	10 rpm steps
Heat output	175 W	375 W	580 W
Temperature range heating plate	RT – 120 °C	RT – 120 °C	RT – 120 °C
Max. temperature medium (dep. on vessel)	70 °C	70 °C	70 °C
Set-up plate material	aluminum alloy	aluminum alloy	aluminum alloy
Set-up plate dimensions	110 x 495 mm	180 x 495 mm	270 x 495 mm
Dimensions (W x D x H)	120 x 610 x 60 mm	190 x 610 x 60 mm	280 x 610 x 60 mm
Weight	4 kg	7.5 kg	10.5 kg
Price	\$ 1,934	\$ 2,277	\$ 2,735
	Ident. No. 3690601	Ident. No. 3691101	Ident. No. 3692601



RT 15



Heating foil for homogeneous temperature distribution on the heating plate

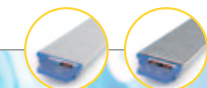


Reverse rotation switch for better mixing results



Wear-free magnetic coils for consistent and silent operation

Multiposition stirrers with /without heating

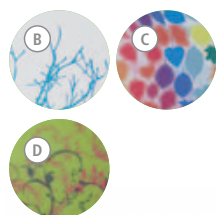
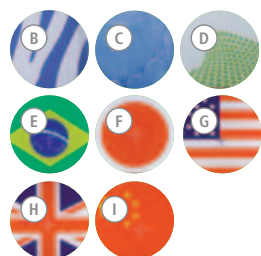


	RO 5	RO 10	RO 15
Technical data			
Number of stirring positions	5	10	15
Max. stirring quantity (H ₂ O)	0.4 l	0.4 l	0.4 l
Distance between stirring places	90 mm	90 mm	90 mm
Deviation for individual stirring positions	0%	0%	0%
Speed display	LED	LED	LED
Speed range	0 – 1200 rpm	0 – 1200 rpm	0 – 1200 rpm
Speed adjustment	10 rpm steps	10 rpm steps	10 rpm steps
Set-up plate material	stainless steel 1.4301	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	120 x 470 mm	190 x 470 mm	280 x 470 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
Weight	3 kg	5 kg	7 kg
Price	\$ 1,435	\$ 1,769	\$ 2,103
	Ident. No. 3690500	Ident. No. 3691000	Ident. No. 3692500



	RT 5 power	RT 10 power	RT 15 power
Technical data			
Number of stirring positions	5	10	15
Max. stirring quantity (H ₂ O)	0.4 l	0.4 l	0.4 l
Distance between stirring places	90 mm	90 mm	90 mm
Deviation for individual stirring positions	5%	5%	5%
Speed display	scale	scale	scale
Speed range	0 – 1100 rpm	0 – 1100 rpm	0 – 1100 rpm
Speed adjustment	scale	scale	scale
Heat output	175 W	375 W	580 W
Temperature range heating plate	RT – 120 °C	RT – 120 °C	RT – 120 °C
Max. temperature medium (dep. on vessel)	70 °C	70 °C	70 °C
Set-up plate material	silicone	silicone	silicone
Set-up plate dimensions	120 x 450 mm	180 x 450 mm	270 x 450 mm
Dimensions (W x D x H)	138 x 552 x 65 mm	198 x 552 x 65 mm	288 x 552 x 65 mm
Weight	3 kg	4.2 kg	6 kg
Price	\$ 1,605	\$ 1,997	\$ 2,583
	Ident. No. 2930301	Ident. No. 2930501	Ident. No. 2930701

Magnetic stirrers without heating



Technical data

	color squid	big squid
Max. stirring quantity (H ₂ O)	1 l	1.5 l
Motor rating input / output	3 / 2 W	3 / 2 W
Speed range	0 – 2500 rpm	0 – 2500 rpm
Speed display	LED	LED
Max. stirring bar length	30 mm	30 mm
Speed adjustment	50 rpm steps	50 rpm steps
Set-up plate material	glass	glass
Set-up plate dimensions	Ø 115 mm	Ø 160 mm
Dimensions (W x D x H)	145 x 160 x 45 mm	180 x 195 x 40 mm
Weight	0.54 kg	0.7 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%
Protection class acc. to DIN EN 60529	IP 54	IP 54
Voltage	100 – 240 V	100 – 240 V
Frequency	50/60 Hz	50/60 Hz

Price

\$ 313

\$ 370

- (A) Ident. No. 3671000 white
- (B) Ident. No. 3698200 zebra
- (C) Ident. No. 3698300 bubbles
- (D) Ident. No. 3698400 wave
- (E) Ident. No. 4175500 seleção
- (F) Ident. No. 4175300 solar sphere
- (G) Ident. No. 4175100 stars and stripes
- (H) Ident. No. 4175200 union Jack
- (I) Ident. No. 4175400 red flag

- (A) Ident. No. 3672000 white
- (B) Ident. No. 3857200 frozen
- (C) Ident. No. 3857100 leaves
- (D) Ident. No. 3857300 twist



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

color squid

color squid

- > For maximum stirring quantity of 1 l (H₂O)
- > Available in various designs

big squid

- > For maximum stirring quantity of 1.5 l (H₂O)
- > Higher speed range from 0 – 2500 rpm



IKA®+

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

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



Magnetic stirrers without heating

IKA®+

Mobile unit with
rechargeable batteries
with long operating
time (8 – 12 h)



Technical data	Mini MR standard	topolino	topolino mobil
Max. stirring quantity (H ₂ O)	1 l	0.25 l	0.25 l
Motor rating input / output	3 / 2 W	1 / 0.8 W	1 / 0.8 W
Speed range	0 – 2500 rpm	300 – 1800 rpm	300 – 1800 rpm
Max. stirring bar length	30 mm	30 mm	30 mm
Speed adjustment	–	stepless	stepless
Set-up plate material	polyester	synthetic (PP)	synthetic (PP)
Set-up plate dimensions	115 x 115 mm	Ø 80 mm	Ø 80 mm
Dimensions (W x D x H)	114 x 127 x 37 mm	95 x 115 x 37 mm	Ø 140 x 42 mm
Weight	0.25 kg	0.32 kg	0.60 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Protection class acc. to DIN EN 60529	IP 42	IP 21	IP 21
Voltage	100 – 240 V	100 – 240 V	100 – 240 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Price	\$ 173	\$ 77	\$ 217
	Ident. No. 3674000	Ident. No. 3368001	Ident. No. 3381301



Switchable reverse
rotation every
30 seconds



Modern wear-free
magnetic coil
technology

lab disc



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



lab disc

- > Set-up plate and casing made of chemically resistant materials
- > Slip-proof and safe stand

Height only
12mm

(A)

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
\$ 295

- (A) Ident. No. 3907500 white
- (B) Ident. No. 3765000 pattern
- (C) Ident. No. 3916100 stream



(B)

(C)

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	KMO 2 basic	Midi MR 1 digital	Maxi MR 1 digital
Max. stirring quantity (H ₂ O)	5 l	50 l	150 l
Motor rating input / output	14 / 4 W	70 / 19 W	80 / 35 W
Speed range	0 – 1100 rpm	0 – 1000 rpm	0 – 600 rpm
Speed display	scale	LCD	LCD
Max. stirring bar length	50 mm	80 mm	155 mm
Speed adjustment	stepless	stepless	stepless
Heating plate material	stainless steel 1.4301	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	140 x 120 mm	350 x 350 mm	500 x 500 mm
Dimensions (W x D x H)	140 x 200 x 75 mm	360 x 430 x 110 mm	505 x 585 x 110 mm
Weight	1.4 kg	10.7 kg	16 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21
Voltage	115 V	115 V	115 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Price	\$ 920	\$ 2,497	\$ 3,555
	Ident. No. 2812001	Ident. No. 2621901	Ident. No. 2621801

C-MAG MS 10



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



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



Elevated control panel for protection against spilled liquids



Technical data	C-MAG MS 4	C-MAG MS 7	C-MAG MS 10
Max. stirring quantity (H ₂ O)	5 l	10 l	15 l
Motor rating input / output	15 / 1.5 W	15 / 1.5 W	15 / 1.5 W
Speed range	100 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Speed display	scale	scale	scale
Max. stirring bar length	30 mm	80 mm	80 mm
Speed adjustment	scale (0 – 6)	scale (0 – 6)	scale (0 – 6)
Heating plate material	ceramic	ceramic	ceramic
Set-up plate dimensions	100 x 100 mm	180 x 180 mm	260 x 260 mm
Dimensions (W x D x H)	150 x 260 x 105 mm	220 x 330 x 105 mm	300 x 415 x 105 mm
Weight	3 kg	5 kg	6 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21
Voltage	115 V	115 V	115 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Price	\$ 431	\$ 449	\$ 660
	Ident. No. 3582201	Ident. No. 3582401	Ident. No. 3582601

Magnetic Stirrers | Accessories



Electronic contact thermometers

	Ident. No.	Price
① ETS-D5	3378000	\$ 305

Electronic contact thermometer, -50 – 450 °C, 0.1 K resolution

② ETS-D6	3378100	\$ 701
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Electronic contact thermometer. Similar to ETS-D5, additionally comes equipped with integrated pH measuring instrument (without pH electrode)

Temperature sensors for ETS-D5 / D6

	Ident. No.	Price
③ H 62.51	2735451	\$ 169

Temperature sensor, stainless steel, Ø 3 mm, 260 mm length

④ H 66.51	2735551	\$ 210
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Temperature sensor, stainless steel, glass-coated, Ø 6 mm, 260 mm length

H 66.53	4499900	\$ 286
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Temperature sensor, coated with SafeCoat, Ø 3 mm, 260 mm length

ETS-D5 / D6 Accessories

	Ident. No.	Price
⑤ H 70	2735600	\$ 111

Extension cable, 1 m

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

	Ident. No.	Price
⑥ PT 1000.60	3516800	\$ 169

Temperature sensor, stainless steel, Ø 3 mm, 230 mm length

⑦ PT 1000.70	3736000	\$ 236
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Temperature sensor, stainless steel, glass-coated, Ø 7 mm, 230 mm length

⑧ PT 1000.80	4443000	\$ 161
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Temperature sensor, stainless steel, Ø 3 mm, 150 mm length

PT 1000.90	4480600	\$ 184
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Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length

Temperature sensors for RET® control-visc

	Ident. No.	Price
PT 100.70	0020000440	on request

Temperature sensor, stainless steel, Ø 3 mm, 230 mm length

⑨ PT 1000.50	3367600	\$ 357
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Temperature sensor, dual stainless steel, Ø 3 mm, 230 mm length

⑩ PT 1000.51	3377700	\$ 420
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Temperature sensor, dual stainless steel, glass-coated, Ø 8 mm

⑪ PT 100.51	2600300	\$ 551
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Temperature sensor, glass-coated, Ø 8 mm, 230 mm length

PT 100.53	4499700	\$ 338
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Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length

PT 1000.53	4499800	\$ 400
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Temperature sensor, dual coated with SafeCoat, 230 mm length



Magnetic Stirrers | Accessories

Advantages beaker, stainless steel

- > No eddy current losses
- > High magnetic adhesion force
- > Very good heat transfer (3L beaker and up: due to a round deepening area for fitting heating plates with ø 135 mm)

Oil bath attachments

	Ident. No.	Price
H 29	2829400	\$ 279

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

H 30	2829500	\$ 328
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Oil bath attachment, 1.5 l, aluminum, inner Ø 136 – 190 mm, 110 mm height for use with oil only

Beakers

H 1000	4444401	\$ 441
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Beaker, stainless steel, 1 l, inner Ø 160 mm, 79 mm height

H 1500	4444501	\$ 383
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Beaker, stainless steel, 1.5 l, inner Ø 140 mm, 160 mm height

H 3000	4444503	\$ 427
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Beaker, stainless steel, 3 l, inner Ø 180 mm, 119 mm height

H 5000	4444505	\$ 529
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Beaker, stainless steel, 5 l, inner Ø 220 mm, 142 mm height

H 8000	4444508	\$ 809
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Beaker, stainless steel, 8 l, inner Ø 265 mm, 162 mm height



Protective covers

H 102	4281600	\$ 37
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Cover for RH basic

H 103	4299100	\$ 37
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Cover for RH digital

H 100	3409600	\$ 37
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Cover for RET basic and RCT basic

H 104	4209500	\$ 37
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Cover for RET control-visc

Other accessories

H 11 (Euro USA UK CH plug)		
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	1091500	\$ 34
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	3564500	
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	2410700	
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	1091600	
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Mains cable, spare

H 16 V	1545100	\$ 34
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Support rod, Ø 10 mm, 450 mm length

H 16.1	5000500	\$ 30
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Extension for support rod

H 44	2437700	\$ 23
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Boss head clamp

H 38	3547700	\$ 20
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Holding rod

HG 600	0020003416	on request
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Heating jacket for beaker 600 ml

HG 1000	0020003415	on request
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Heating jacket for beaker 1000 ml

BC 1000	0020003417	on request
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Beaker cap

C-MAG Adapter	0025001022	on request
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Heating block adapter for C-MAG

Stirring bars

RS 1	1358600	\$ 237
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Consisting of IKAFLON® (10 – 80 mm) and TRIKA® (25 and 40 mm) magnetic stirring bars

RS 2	4499100	\$ 249
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Consisting of IKAFLON® 40 round, 40 glass, 30 power, 40 slide round, 40 ellipse, 40 TRIKA, 25 cross, 9 crown and 25 bone magnetic stirring bars

RSE	1293100	\$ 87
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Stirring bar remover

Magnetic Stirrers | Accessories

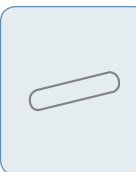


Stirring bars

IKAFILON® round

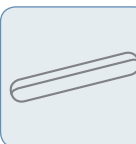
	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 10 Set (5 Pcs) round PTFE-coated	10 x 6 mm	4488600	\$ 13
IKAFILON® 15 Set (5 Pcs) round PTFE-coated	15 x 6 mm	4488700	\$ 13
IKAFILON® 20 Set (5 Pcs) round PTFE-coated	20 x 8 mm	4488800	\$ 13
IKAFILON® 25 Set (5 Pcs) round PTFE-coated	25 x 8 mm	4488900	\$ 18
IKAFILON® 30 Set (5 Pcs) round PTFE-coated	30 x 8 mm	4489000	\$ 15
IKAFILON® 40 Set (5 Pcs) round PTFE-coated	40 x 8 mm	4489100	\$ 19
IKAFILON® 50 Set (5 Pcs) round PTFE-coated	50 x 8 mm	4489200	\$ 21
IKAFILON® 80 Set (5 Pcs) round PTFE-coated	80 x 10 mm	4489300	\$ 51
IKAFILON® 110 round PTFE-coated*	108 x 27 mm	0793300	\$ 526
IKAFILON® 155 round PTFE-coated*	153 x 27 mm	1129000	\$ 624

* Used for large magnetic stirrers like Maxi MR 1 digital



IKAFILON® glass round

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® glass 25 Set (5 Pcs) round	25 x 6 mm	4492200	\$ 19
IKAFILON® glass 30 Set (5 Pcs) round	30 x 6 mm	4492400	\$ 20
IKAFILON® glass 40 Set (5 Pcs) round	45 x 8 mm	4492600	\$ 21
IKAFILON® glass 50 Set (5 Pcs) round	50 x 8 mm	4492800	\$ 23



IKAFILON® power SmSo

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 20 Set (5 Pcs) power SmSo PTFE-coated	20 x 6 mm	4493000	\$ 34
IKAFILON® 30 Set (5 Pcs) power SmSo PTFE-coated	30 x 6 mm	4493200	\$ 45
IKAFILON® 50 Set (5 Pcs) power SmSo PTFE-coated	50 x 8 mm	4493400	\$ 57



IKAFILON® slide round

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 25 Set (5 Pcs) slide round PTFE-coated	25 x 6 mm	4493800	\$ 15
IKAFILON® 30 Set (5 Pcs) slide round PTFE-coated	30 x 6 mm	4494000	\$ 15
IKAFILON® 40 Set (5 Pcs) slide round PTFE-coated	40 x 8 mm	4494200	\$ 23
IKAFILON® 50 Set (5 Pcs) slide round PTFE-coated	50 x 8 mm	4494400	\$ 30



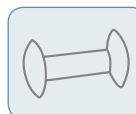
IKAFILON® ellipse

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 20 Set (5 Pcs) ellipse PTFE-coated	20 x 10 mm	4494600	\$ 21
IKAFILON® 25 Set (5 Pcs) ellipse PTFE-coated	25 x 12 mm	4494800	\$ 23
IKAFILON® 30 Set (5 Pcs) ellipse PTFE-coated	32 x 16 mm	4495000	\$ 30
IKAFILON® 35 Set (5 Pcs) ellipse PTFE-coated	35 x 15 mm	4495200	\$ 44
IKAFILON® 40 Set (5 Pcs) ellipse PTFE-coated	40 x 20 mm	4495400	\$ 49
IKAFILON® 50 Set (5 Pcs) ellipse PTFE-coated	50 x 20 mm	4495600	\$ 69
IKAFILON® 60 Set (5 Pcs) ellipse PTFE-coated	64 x 20 mm	4495800	\$ 100
IKAFILON® 70 Set (5 Pcs) ellipse PTFE-coated	70 x 20 mm	4496000	\$ 120



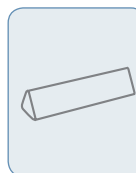
IKAFILON® cross

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 10 Set (5 Pcs) cross PTFE-coated	10 x 10 mm	4496200	\$ 20
IKAFILON® 20 Set (5 Pcs) cross PTFE-coated	20 x 20 mm	4496400	\$ 26
IKAFILON® 25 Set (5 Pcs) cross PTFE-coated	25 x 25 mm	4496600	\$ 25
IKAFILON® 30 Set (5 Pcs) cross PTFE-coated	30 x 30 mm	4496800	\$ 38
IKAFILON® 38 Set (5 Pcs) cross PTFE-coated	38 x 38 mm	4497000	\$ 42



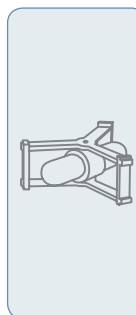
IKAFILON® bone

	Dimensions (L x Ø)	Ident. No.	Price
IKAFILON® 37 Set (5 Pcs) bone PTFE-coated	35 x 8 x 20 mm	4497200	\$ 61
IKAFILON® 54 Set (5 Pcs) bone PTFE-coated	55 x 8 x 20 mm	4497400	\$ 74



TRIKA®

	Dimensions (L x Ø)	Ident. No.	Price
TRIKA® 25 Set (5 Pcs) PTFE-coated	25 x 8 mm	4499300	\$ 15
TRIKA® 35 Set (5 Pcs) PTFE-coated	35 x 9 mm	4499400	\$ 22
TRIKA® 55 Set (5 Pcs) PTFE-coated	55 x 14 mm	4499500	\$ 40
TRIKA® 80 Set (5 Pcs) PTFE-coated	80 x 17 mm	4499600	\$ 56



IKAFILON® beaker

	(Ø x Height in mm, for beaker)	Ident. No.	Price
IKAFILON® 67 beaker PTFE-coated	67 x 21 mm with 50 x 8	4497600	\$ 341
IKAFILON® 74 beaker PTFE-coated	74 x 29 mm with 60 x 9	4497800	\$ 353
IKAFILON® 103 beaker PTFE-coated	103 x 32 mm with 80 x 10	4498000	\$ 508
IKAFILON® 125 beaker PTFE-coated	125 x 48 mm with 106 x 25	4498200	\$ 649



IKAFILON® crown

	(Ø x Height in mm)	Ident. No.	Price
IKAFILON® 9 Set (5 Pcs) crown PTFE-coated	9 x 6 mm	4498400	\$ 17

Magnetic Stirrers | Accessories



Synthesis blocks

Dry heating block square series

		Hole Ø	Dimensions	Ident. No.	Price
①	H 135.10 Square carrier without handle	—	160 x 160 mm	0025000832	\$ 117
	H 135.101 Block 16 x 4 ml	15.2 mm	79 x 79 mm	0025000626	\$ 55
	H 135.102 Block 16 x 8 ml	17.5 mm	79 x 79 mm	0025000627	\$ 60
②	H 135.103 Block 9 x 16 ml	20.5 mm	79 x 79 mm	0025000628	\$ 61
③	H 135.104 Block 4 x 20 ml	28.5 mm	79 x 79 mm	0025000629	\$ 53
	H 135.105 Block 4 x 30 ml	28.5 mm	79 x 79 mm	0025000630	\$ 60
④	H 135.106 Block 4 x 40 ml	28.5 mm	79 x 79 mm	0025000631	\$ 67
	H 135.107 Block 100 ml	—	79 x 79 mm	0025000632	\$ 54
⑤	H 135.108 Block 250 ml	—	79 x 79 mm	0025000633	\$ 64



100 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑥	H 135.20 Flask carrier 100 ml without handle	142 mm	—	0025000634	\$ 110
	H 135.201 Flask inlay 10 ml	—	33.8 mm	0025000636	\$ 32
	H 135.202 Flask inlay 25 ml	—	43.8 mm	0025000637	\$ 33
	H 135.203 Flask inlay 50 ml	—	52.8 mm	0025000638	\$ 32



500 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑦	H 135.30 Flask carrier 500 ml without handle	142 mm	—	0025000639	\$ 117
	H 135.301 Flask inlay 100 ml	—	66.3 mm	0025000641	\$ 71
	H 135.302 Flask inlay 250 ml	—	88 mm	0025000642	\$ 71



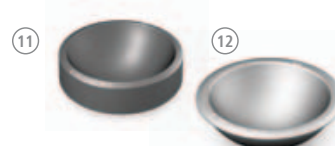
1000 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑧	H 135.40 Flask carrier 1000 ml without handle	166.3 mm	—	0025000833	\$ 170
⑨	H 135.401 Flask inlay 500 ml	—	108 mm	0025000644	\$ 122



2000 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑩	H 135.50 Flask carrier 2000 ml without handle	194.7 mm	—	0025000834	\$ 207
	H 135.501 Flask inlay 1000 ml	—	131.8 mm	0025000645	\$ 179



3000 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑪	H 135.60 Flask carrier 3000 ml without handle	218.3 mm	—	0025000835	\$ 305
⑫	H 135.601 Flask inlay 2000 ml	—	162 mm	0025000648	\$ 281



5000 ml Flask heating block series

		Max. Outer Ø	Inner Ø	Ident. No.	Price
⑬	H 135.70 Flask carrier 5000 ml without handle	259.7 mm	—	0025000836	\$ 452
⑭	H 135.701 Flask inlay 3000 ml	—	194.5 mm	0025000651	\$ 495

Overhead Stirrers



IKA® offers overhead stirrers for your stirring and mixing tasks in the lab – for low to high viscosities. Safety, power and intelligence were again at the core of the development of this product range. IKA® overhead stirrers process stirring quantities of up to 200 liters.



The wireless controller

- > Helps protect the user from toxic material exposure
- > Preserving sample integrity

EUROSTAR
100
control

TFT
Display

TFT Display for better image quality and easy navigation



External probe for connection to a temperature sensor for accurate temperature control



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



Clockwise and counter clockwise rotation



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



Electronic Overhead Stirrers



Torque trend display to get real-time information on viscosity changes



Rotating knob for adjusting the speed and **pressing knob** for navigating through the menu on the wireless controller

EUROSTAR digital

Digital Display

Digital display for precise monitoring of set and actual speeds



Technical data

Stirring quantity max. (H ₂ O)	15 l 25 l
Max. viscosity	10,000 mPas 30,000 mPas
Motor rating input / output	70 / 42 W 118 / 84 W
Speed range	0/30 – 2000 rpm
Max. torque at stirring shaft	20 Ncm 40 Ncm
Temp. sensor connection	no
Chuck range	0.5 – 10 mm
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

Price \$ 1,134 | \$ 1,276

Ident. No. 4442001
Ident. No. 4444001

EUROSTAR 60 digital EUROSTAR 60 control

replaces EUROSTAR power basic;
EUROSTAR power control-visc

Stirring quantity max. (H ₂ O)	40 l
Max. viscosity	50,000 mPas
Motor rating input / output	176 / 126 W 168 / 131 W
Speed range	0/30 – 2000 rpm
Max. torque at stirring shaft	60 Ncm
Temp. sensor connection	no PT 1000
Chuck range	0.5 – 10 mm
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

Price \$ 1,418 | \$ 1,616

Ident. No. 4446001
Ident. No. 4440001*

* H 67.60 and WH 11 included in the delivery of all EUROSTAR control devices



TFT Display for better image quality and easy navigation



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



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



Brushless EC motor for longer life span, low maintenance and higher efficiency

EUROSTAR control



Technical data

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	70,000 mPas
Motor rating input / output	186 / 136 W 174 / 142 W
Speed range	0/30 – 1300 rpm
Max. torque at stirring shaft	100 Ncm
Temp. sensor connection	no PT 1000
Chuck range	0.5 – 10 mm
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

Price \$ 2,487 | \$ 2,766

Ident. No. 4238101
Ident. No. 4028501*

EUROSTAR 100 digital EUROSTAR 100 control

replaces EUROSTAR control-visc P1

EUROSTAR 200 digital EUROSTAR 200 control

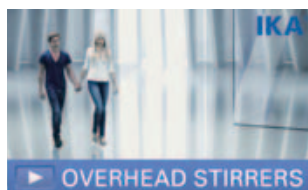
replaces EUROSTAR control-visc P4

Stirring quantity max. (H ₂ O)	100 l
Max. viscosity	100,000 mPas
Motor rating input / output	130 / 84 W
Speed range	0/6 – 2000 rpm
Max. torque at stirring shaft	200 Ncm
Temp. sensor connection	no PT 1000
Chuck range	0.5 – 10 mm
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

Price \$ 3,196 | \$ 3,320

Ident. No. 3990001
Ident. No. 3992001*

Electronic Overhead Stirrers



Watch the video:
www.ika.com/video



Technical data

Stirring quantity max. (H₂O)
Max. viscosity
Motor rating input/output
Speed range
Max. torque at stirring shaft
Temp. sensor connection
Chuck range
Dimensions (W x D x H)
Weight
Permissible ambient temp.
Permissible relative moisture
Protection class DIN EN 60529

EUROSTAR 200 control P4 replaces EUROSTAR control-visc P7

100 l
150,000 mPas
134 / 76 W
0/4 – 530 rpm
660 Ncm
PT 1000
0.5 – 10 mm
91 x 230 x 379 mm
5.8 kg
5 – 40 °C
80%
IP 40

Price

\$ 3,985

Ident. No. 4090001*

EUROSTAR 20 high speed digital EUROSTAR 20 high speed control

replaces EUROSTAR
power control-visc 6000

20 l
10,000 mPas
176 / 125 W
0/150 – 6000 rpm
20 Ncm
no | PT 1000
fixed
86 x 208 x 325 mm | 86 x 260 x 344 mm
5.3 kg | 5.6 kg
5 – 40 °C
80%
IP 40

\$ 1,846 | \$ 2,683

Ident. No. 4028601

Ident. No. 0025001463*

* H 67.60 and WH 11 included in the delivery
of all EUROSTAR control devices

EUROSTAR
200
control P4

TFT
Display

TFT Display for better image
quality and easy navigation



Laboratory stirrer designed
for highly viscous applications
and intensive mixing

660
Ncm

Torque trend display to
get real-time information
on viscosity changes



Extremely powerful laboratory stirrer
designed with high torque



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



RS 232 interface for PC connection



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



Mechanical Overhead Stirrers



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

Price

RW 20 digital

\$ 943

Ident. No. 3593001

RW 28
digital



Special motor over
heating protection



Dual-speed range



Technical data

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

Price

\$ 4,190

Ident. No. 5040001

RW 28 digital

replaces RW 28 basic

RW 47 digital

replaces RW 47 D

Stirring quantity max. (H ₂ O)	200 l
Max. viscosity	100,000 mPas
Motor rating input/output	513 / 370 W
Permissible ON time	100%
Speed range	57 – 1300 rpm (50 Hz)
Max. torque at stirring shaft	3000 Ncm
Display	LED
Temp. sensor connection	no
Chuck range	3 – 16 mm
Hollow shaft	no
Dimensions (W x D x H)	145 x 358 x 465 mm
Weight	16 kg
Permissible ambient temp.	5 – 40 °C
Permissible relative moisture	80%
Protection class DIN EN 60529	IP 54

\$ 5,999

Ident. No. 4050010

Overhead Stirrers | Accessories



Propeller stirrer, 4-bladed

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

Name	R 1342	R 1345	R 2302
Ident. No.	0741000	0741300	0739000
Stirrer (Ø)	50 mm	100 mm	150 mm
Shaft (Ø)	8 mm	8 mm	13 mm
Shaft length	350 mm	540 mm	800 mm
Price	\$ 182	\$ 210	\$ 895

A B C
D F

A B C
D F G

H



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.

Name	R 1381	R 1382	R 1401	R 1405
Ident. No.	1296000	1295900	1242900	1289800
Stirrer (Ø)	45 mm	55 mm	55 mm	45 mm
Shaft (Ø)	8 mm	8 mm	—	—
Shaft length	350 mm	350 mm	—	—
Price	\$ 456	\$ 201	\$ 411	\$ 327

A B C
D F

A B C
D F

E

E



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.

Name	R 1385	R 1388	R 1389 (PTFE-coated)
Ident. No.	0477700	0477800	2343600
Stirrer (Ø)	140 mm	140 mm	75 mm
Shaft (Ø)	10 mm	10 mm	8 mm
Shaft length	550 mm	800 mm	350 mm
Price	\$ 211	\$ 585	\$ 837

A B C
D F G

A B C
D F G

A B C



Turbine stirrer

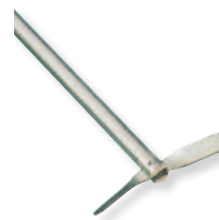
This stirrer is used for drawing the material to be mixed from above while generating axial flow within the vessel. It carries a minimum level of danger of injury when contact is made with vessel. It also creates minimum shearing forces and is used at medium to high speeds.

Name	R 1311	R 1312	R 1313
Ident. No.	2332900	2333000	2333100
Stirrer (Ø)	30 mm	50 mm	70 mm
Shaft (Ø)	8 mm	8 mm	10 mm
Shaft length	350 mm	350 mm	400 mm
Price	\$ 291	\$ 368	\$ 476

A F C

A B C
D F

A B C
D 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.

Name	R 1352	R 1355
Ident. No.	0756900	1132700
Stirrer (Ø)	60 / 15 mm	100 / 24 mm
Shaft (Ø)	8 mm	8 mm
Shaft length	350 mm	550 mm
Price	\$ 257	\$ 327

A B C
D F

A B C
D F



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.

Name	R 1300	R 1302	R 1303	R 1402
Ident. No.	0513500	2387900	2746700	1243300
Stirrer (Ø)	80 mm	100 mm	42 mm	42 mm
Shaft (Ø)	8 mm	10 mm	8 mm	—
Shaft length	350 mm	350 mm	350 mm	—
Price	\$ 424	\$ 877	\$ 609	\$ 477

A B C
D F G

A B C
D F G

A B C
D F

E



EUROSTAR 20 | 40
digital

EUROSTAR 60
digital | control



EUROSTAR 100
digital | control

EUROSTAR 200
digital | control



EUROSTAR 200
control P4



EUROSTAR 20 high
speed digital | control



RW 20
digital



RW 28
digital



RW 47
digital

A

B

C

D

E

F

G

H

Overhead Stirrers | Accessories

Paddle stirrer

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

Name	R 1375	R 1376	R 2311
Ident. No.	0757700	0757800	0739500
Stirrer (Ø)	70 mm	150 mm	150 mm
Shaft (Ø)	8 mm	10 mm	13 mm
Shaft length	550 mm	550 mm	800 mm
Price	\$ 277	\$ 578	\$ 1,201

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.

Name	R 1330	R 1331	R 1333
Ident. No.	2022300	2022400	2747400
Stirrer (Ø)	45 mm	90 mm	150 mm
Shaft (Ø)	8 mm	8 mm	10 mm
Shaft length	350 mm	350 mm	550 mm
Price	\$ 273	\$ 305	\$ 1,166

Moebius stirrer

Generates axial flow. For drawing the material to be mixed from above. For circulating and handling low to medium viscous liquids. Used at medium speeds.

Name	R 3000.1	R 3001.1
Ident. No.	0020001192	0020001195
Stirrer (Ø)	100 mm	100 mm
Shaft (Ø)	10 mm	10 mm
Shaft length	565 mm	575 mm
Price	on request	on request

Spiral stirrer

Generates axial flow. Medium is conveyed from the bottom upwards. For homogeneous mixing and heat exchange of medium to high viscosity media. Used at low to medium speeds.

Name	R 3003	R 3003.1	R 3003.2
Ident. No.	0020001203	0020001204	0020001205
Stirrer (Ø)	50 mm	100 mm	150 mm
Shaft (Ø)	8 mm	10 mm	10 mm
Shaft length	350 mm	550 mm	800 mm
Price	on request	on request	on request

Blade stirrer

Generates a radial flow. For drawing the material to be mixed from the top and bottom. For aerating of low viscosity media and for homogenizing solids in liquids. Used at medium to high speeds.

Name	R 3004	R 3004.1	R 3004.2
Ident. No.	0020001206	0020001207	0020001208
Stirrer (Ø)	30 mm	50 mm	70 mm
Shaft (Ø)	8 mm	8 mm	10 mm
Shaft length	359 mm	565 mm	819 mm
Price	on request	on request	on request



EUROSTAR 20 | 40
digital

A



EUROSTAR 60
digital | control

B



EUROSTAR 100
digital | control

C



EUROSTAR 200
control P4

D



EUROSTAR 20 high
speed digital | control

E



RW 20
digital

F



RW 28
digital

G

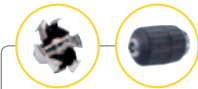


RW 47
digital

H



Overhead Stirrers | Accessories



EUROSTAR 20 high speed digital | control accessories

	Ident. No.	Price
① R 1401	1242900	\$ 411
Propeller, Ø 55 mm		
② R 1405	1289800	\$ 327
Propeller, Ø 45 mm		
③ R 1402	1243300	\$ 477
Dissolver, Ø 42 mm		

Accessories for EUROSTAR control series

	Ident. No.	Price
H 62.51*	2735451	\$ 169
Temperature sensor, stainless steel, Ø 3 mm, 260 mm length		
H 66.51*	2735551	\$ 210
Temperature sensor, stainless steel, glass-coated, Ø 6 mm, 260 mm length		
H 66.53*	4499900	\$ 286
Temperature sensor, coated with SafeCoat, Ø 3 mm, 260 mm length		
H 67.60	0025000215	on request
Temperature sensor, stainless steel, Ø 3 mm		
H 67.61	0020003865	on request
Temperature sensor, stainless steel, Ø 3 mm, response time 0.9 = 4 s		
H 70*	2735600	\$ 111
Extension cable, 1 m		
WH 11	0025001500	on request
Wall mount for WICo		
labworldsoft®	4720000	\$ 190
Laboratory software		

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



RW 47 digital accessories

	Ident. No.	Price
⑦ R 303	0030000257	on request
Stirring shaft protection for RW 47 digital		
⑧ SI 400	3294800	\$ 2,256
Safety switch		
⑨ SI 472	3264000	\$ 1,397
Fixing device for R 472 stand		
⑩ SI 474	3264400	\$ 895
Fixing device for R 474 and T 653 stand		

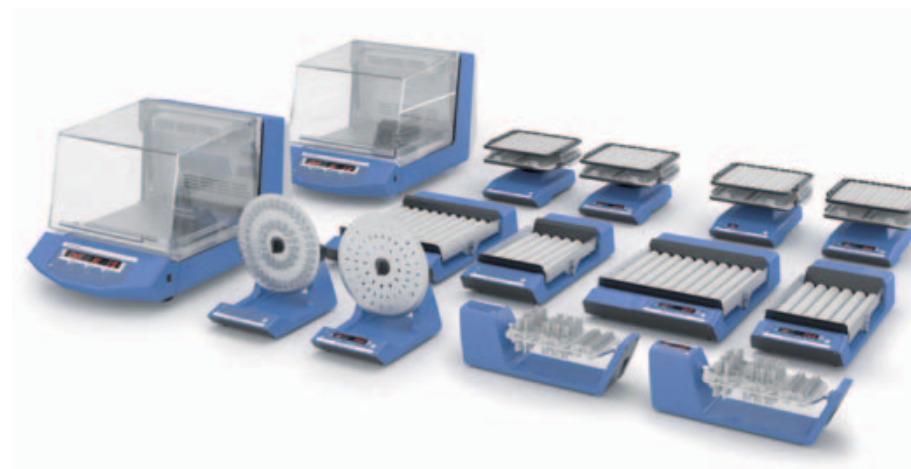
RW 20 digital & EUROSTAR series accessories

	Ident. No.	Price
⑪ FK 1	2336000	\$ 319
Flexible coupling, clamping range 6 – 10 mm		
⑫ R 60	3889500	\$ 112
Keyless chuck for EUROSTAR 20 / 40 / 60 / 100 series		
⑬ R 301	2603000	\$ 215
Stirring shaft protection, plexiglass		
⑭ R 301.1	2604000	\$ 264
Support holder for R 301		

Shakers



IKA® offers a wide range of lab shakers for mixing and shaking applications. Products are equipped with digital display, timer function, and controlling options via the lab software labworldsoft®. Integrated end point positioning allows for automated sampling. An extensive array of attachments is available for the use of different vessels.



Sleek, compact, high-performance shaker

- > Controls with antimicrobial coating for reduction of bacteria
- > Electronic timer



Assure highly accurate temperature control



Orbital action

KS 3000
ic control

KS 4000
ic control

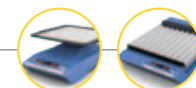


Built-in cooling coil for connection to an external cooling unit (available only for KS 3000 ic control and KS 4000 ic control)



Wide range of attachments available for different vessels.

Shakers



Roller 6
digital

Timer
Display

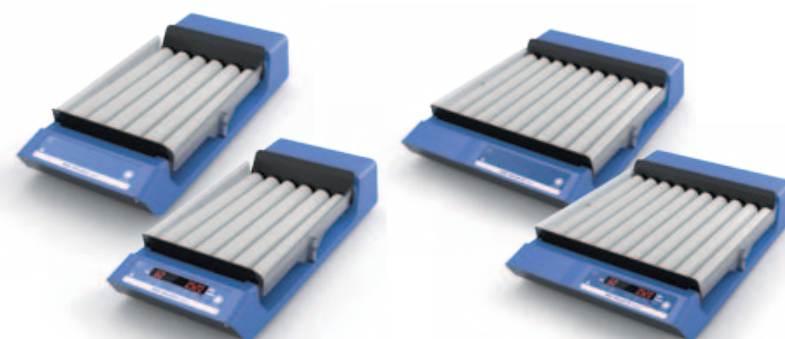
Timer display for accurate and reproducible conditions



Touch keypad for easy operation



C/T button for choosing the counter or the timer function



Technical data

	Rocker 2D basic digital
Type of movement	rocking
Shaking diameter	8° (angle) 2.5 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
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

Price

\$ 721 | \$ 823

Ident. No. 4002000*
Ident. No. 4003000*

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

Rocker 3D basic | digital

Type of movement	tumbling
Shaking diameter	8° (angle) 0 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
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

\$ 886 | \$ 961

Ident. No. 4000000*
Ident. No. 4001000*

Technical data

	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
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

Price

\$ 1,449 | \$ 1,682

Ident. No. 4010000
Ident. No. 4011000

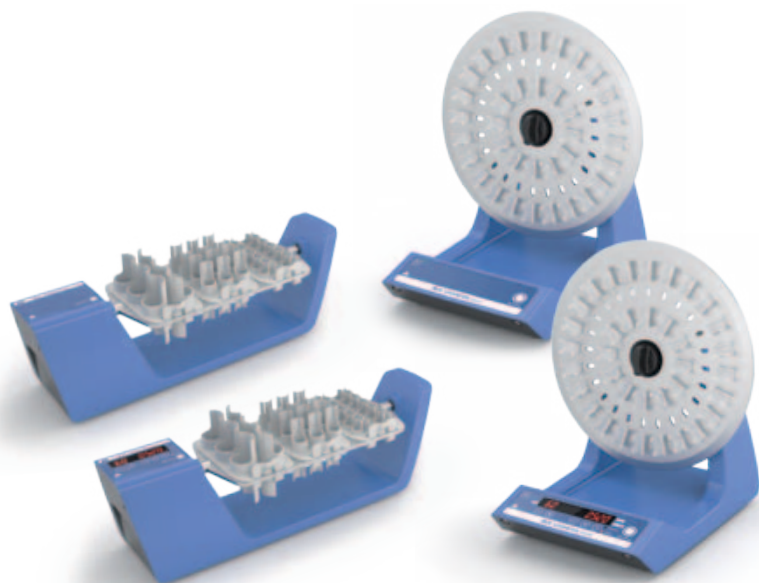
Roller 10 basic | digital

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
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	6 kg

\$ 1,716 | \$ 2,012

Ident. No. 4012000
Ident. No. 4013000

Shakers



Technical data

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
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

Price

\$ 666 | \$ 755

Ident. No. 4005000*
Ident. No. 4006000*

* Loopster and Trayster accessories have to be ordered seperately

Trayster basic | digital

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
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

\$ 666 | \$ 755

Ident. No. 4005000*
Ident. No. 4006000*

Loopster basic | digital

Type of movement	rotating
Permissible shaking weight (incl. attachment)	2 kg
Motor rating input / output	16 / 9 W
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

\$ 584 | \$ 721

Ident. No. 4015000*
Ident. No. 4016000*

Loopster digital



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



90 degree adjustable mixing angle



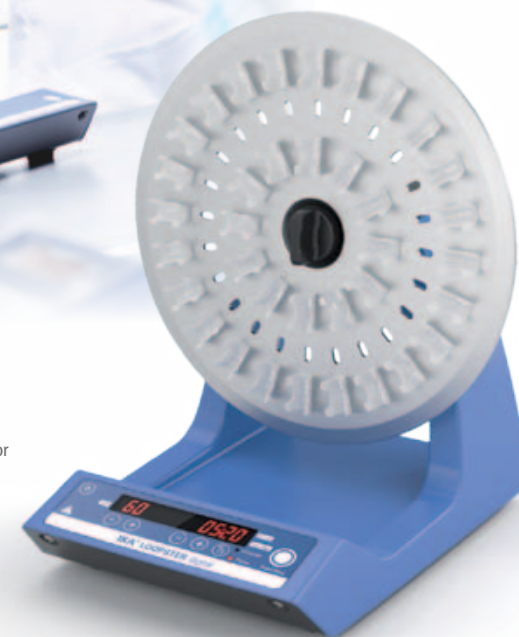
Touch keypad for easy operation



Rotating action



Timer display for accurate and reproducible conditions



Shakers

MS 3
digital



Orbital action



Wide range of
attachments



Continuous or touch
operation



Technical data	VORTEX 1	lab dancer	MS 3 basic digital
Type of movement	orbital	orbital	orbital
Shaking diameter	4.5 mm	4.5 mm	4.5 mm
Permissible shaking weight (incl. attachment)	0.1 kg	max. 50 ml (1 test tube)	0.5 kg
Motor rating input / output	1.2 / 0.8 W	1.2 / 0.8 W	10 / 8 W
Speed range	1000 – 2800 rpm	2800 rpm (fixed)	0 – 3000 rpm
Speed display	none	none	scale digital
Timer display	none	none	none digital
Operating mode	touch operation	touch operation	continuous / touch operation timer and continuous / touch operation
Dimensions (W x D x H)	95 x 110 x 70 mm	100 x 70 mm (Ø x H)	148 x 205 x 63 mm
Weight	0.55 kg	0.55 kg	2.9 kg
Permissible ambient temp.	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Price	\$ 329	\$ 281	\$ 471 \$ 539
	Ident. No. 4047700	Ident. No. 3365000	Ident. No. 3617000 Ident. No. 3319000



VORTEX
3



Orbital action



Wide speed range enables
intensive mixing, even for
small vessels

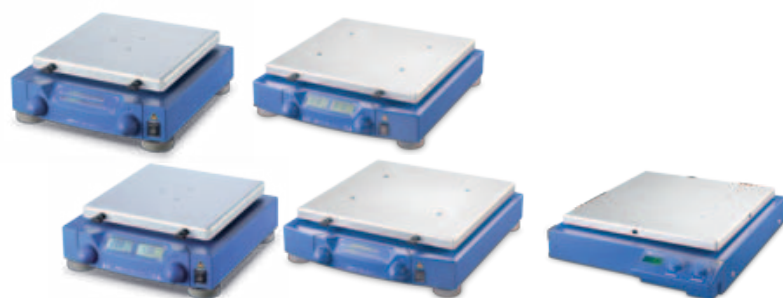


Different applications can be
done as the attachments and
inserts offered by IKA® are
interchangeable.



Technical data	VORTEX 3	VXR basic Vibrax®	MTS 2/4 digital Microtiter shaker
Type of movement	orbital	orbital	orbital
Shaking diameter	4 mm	4 mm	3 mm
Permissible shaking weight (incl. attachment)	0.4 kg	2 kg	2/4 MT-Platten kg
Motor rating input / output	58 / 10 W	35 / 13.2 W	35 / 13.2 W
Speed range	500 – 2500 rpm	0 – 2200 rpm	0 – 1100 rpm
Speed display	scale (0 – 6)	scale	scale
Timer	none	none	∞ / 1 – 99 min
Operating mode	continuous / touch operation	continuous operation	timer and continuous operation
Dimensions (W x D x H)	127 x 149 x 136 mm	157 x 247 x 130 mm	185 x 320 x 105 mm
Weight	4.5 kg	6.1 kg	2.7 kg
Permissible ambient temp.	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Price	\$ 458	\$ 979	\$ 1,384
	Ident. No. 3340001	Ident. No. 2819001	Ident. No. 3208001

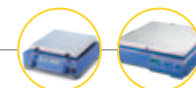
Shakers



Technical data	KS 130 basic KS 130 control (NOL*)	HS 260 basic HS 260 control (NOL*)	HS 501 digital
Type of movement	orbital	reciprocating	reciprocating
Shaking diameter	4 mm	20 mm	30 mm
Permissible shaking weight (incl. attachment)	2 kg	7.5 kg	15 kg
Motor rating input / output	45 / 10 W	45 / 10 W	70 / 19 W
Permissible ON time	100 %	100 %	100 %
Speed range	0 – 800 rpm	0 – 300 rpm 10 – 300 rpm	0 – 300 rpm
Speed display	LED line	LED line digital	digital
Timer	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min	∞ / 1 – 56 min
Operating mode	timer and continuous operation	timer and continuous operation	timer and continuous operation
Dimensions (W x D x H)	270 x 316 x 98 mm	360 x 420 x 100 mm	505 x 585 x 120 mm
Weight	8.8 kg	8.5 kg 8.8 kg	26 kg
Permissible ambient temp.	5 – 50 °C	5 – 50 °C	5 – 50 °C
Permissible relative moisture	80%	80%	80%
Price	\$ 1,579 \$ 2,392 \$ 2,392	\$ 2,367 \$ 2,839 \$ 2,839	\$ 5,692
	KS 130 basic Ident. No. 2980001 KS 130 control Ident. No. 2980101 KS 130 control NOL* Ident. No. 4278201	HS 260 basic Ident. No. 3066601 HS 260 control Ident. No. 3066701 HS 260 control NOL* Ident. No. 4278601	Ident. No. 2527001

* No End-point positioning

Package details
on page 161



Wide range of attachment combinations



Orbital action



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



All functions can be controlled and documented with labworldsoft®



KS 260 control

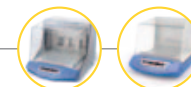


Technical data	KS 260 basic control (NOL*)	KS 501 digital
Type of movement	orbital	orbital
Shaking diameter	10 mm	30 mm
Permissible shaking weight (incl. attachment)	7.5 kg	15 kg
Motor rating input / output	45 / 10 W	70 / 19 W
Permissible ON time	100%	100%
Speed range	20 – 500 rpm 10 – 500 rpm	0 – 300 rpm
Speed display	LED line digital	digital
Timer	∞ / 5 – 50 min ∞ / 0 – 9 h 59 min	∞ / 1 – 56 min
Timer display	LED line digital	digital
Operating mode	timer and continuous operation	timer and continuous operation
Dimensions (W x D x H)	360 x 420 x 98 mm	505 x 585 x 120 mm
Weight	8.5 kg 8.8 kg	26 kg
Permissible ambient temp.	5 – 50 °C	5 – 50 °C
Permissible relative moisture	80%	80%
Price	\$ 2,367 \$ 2,839 \$ 2,839	\$ 5,823
	KS 260 basic Ident. No. 2980201 KS 260 control Ident. No. 2980301 KS 260 control NOL* Ident. No. 4278401	Ident. No. 2526401

* No End-point positioning

Package details
on page 161

Incubator Shakers



Technical data

	KS 3000 i control ic control	KS 4000 i control ic control
Type of movement	orbital	orbital
Shaking diameter	20 mm	20 mm
Permissible shaking weight (incl. attachment)	7.5 kg	20 kg
Motor rating input / output	45 / 10 W	82 / 24 W
Heating temperature range	i control: RT + 5 °C – 80 °C ic control: RT -10 °C – 80 °C	i control: RT + 5 °C – 80 °C ic control: RT -10 °C – 80 °C
Permissible ON time	100%	100%
Speed range	10 – 500 rpm	10 – 500 rpm
Speed display	LED	LED
Timer	1 s – 999 h	1 s – 999 h
Timer display	LED	LED
Operating mode	timer and continuous operation	timer and continuous operation
Dimensions (W x D x H)	465 x 430 x 695 mm	580 x 525 x 750 mm
Weight	35 kg 37 kg	50 kg 55 kg
Permissible ambient temp.	15 – 32 °C 80%	15 – 32 °C 80%
	\$ 5,142 \$ 6,428	\$ 7,618 \$ 8,366
	Ident. No. 3940001 Ident. No. 3940101	Ident. No. 3510001 Ident. No. 3510101



KS 3000
ic control

KS 4000
ic control



Assure highly accurate
temperature control



Orbital action



Built-in cooling coil to connect
to an external cooling unit
(available only for KS 3000 ic
and KS 4000 ic control)



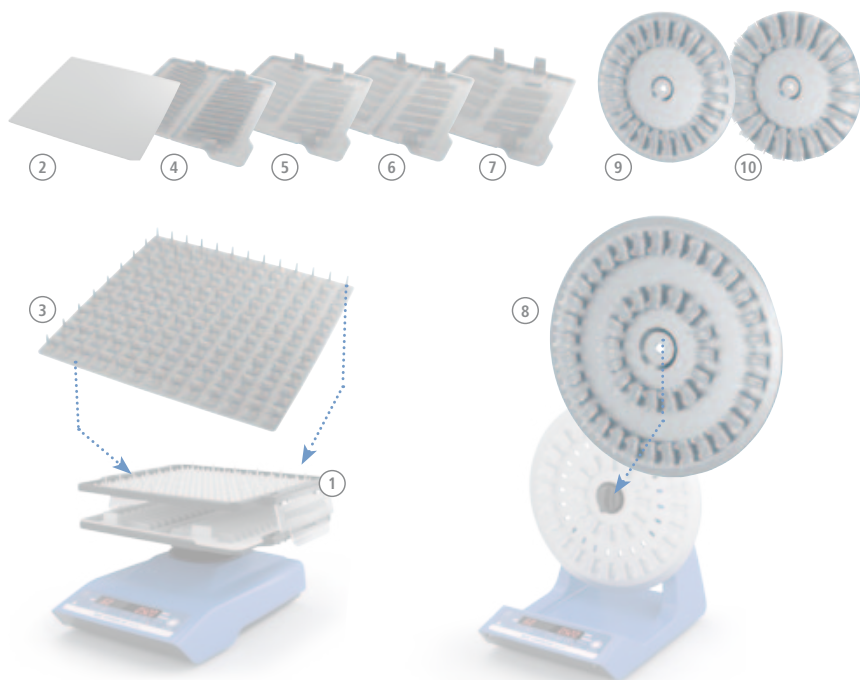
Wide range of attachments
allows using almost all
shapes and sizes of vessels



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



Shakers | Accessories

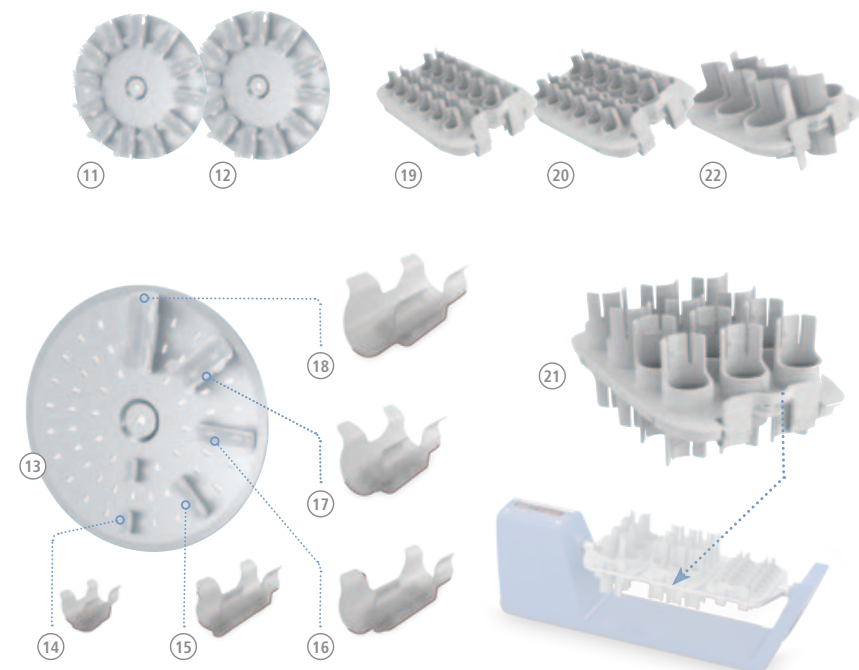


Rocker accessories

	Ident. No.	Price
1 A 2	4581700	\$ 80
Second level attachment		
2 RD 1*	4532000	\$ 14
Universal mat		
3 RD 2	4532100	\$ 18
Burled mat		
4 TB 1	4532200	\$ 45
Tray, 28 x 5 ml, Ø 12 mm		
5 TB 2	4532300	\$ 45
Tray, 16 x 15 ml, Ø 16 mm		
6 TB 3	4532400	\$ 45
Tray, 14 x 30 ml, Ø 25 mm		
7 TB 4	4532500	\$ 45
Tray, 10 x 50 ml, Ø 28 mm		

Loopster accessories

	Ident. No.	Price
8 DS 1	4524000	\$ 173
Tube attachment, 48 x 1.5 ml, Ø 10 mm		
9 DS 2	4524100	\$ 173
Tube attachment, 24 x 5 ml, Ø 12 mm		
10 DS 3	4524200	\$ 173
Tube attachment, 20 x 15 ml, Ø 16 mm		
11 DS 4	4524300	\$ 173
Tube attachment, 12 x 30 ml, Ø 25 mm		
12 DS 5	4524400	\$ 173
Tube attachment, 12 x 50 ml, Ø 28 mm		
13 DS 6	4524500	\$ 143
Universal disc		



Trayster accessories

	Ident. No.	Price
14 DS 6.1	4524600	\$ 7
Spare clips, Ø 10 mm, 12 pcs.		
15 DS 6.2	4524700	\$ 7
Spare clips, Ø 12 mm, 12 pcs.		
16 DS 6.3	4524800	\$ 7
Spare clips, Ø 16 mm, 12 pcs.		
17 DS 6.4	4524900	\$ 7
Spare clips, Ø 25 mm, 12 pcs.		
18 DS 6.5	4525000	\$ 7
Spare clips, Ø 28 mm, 12 pcs.		
19 TR 1	4525100	\$ 50
Tube insert, 24 x 1.5 ml, Ø 10 mm		
20 TR 2	4525200	\$ 50
Tube insert, 24 x 5 ml, Ø 12 mm		
21 TR 3	4525300	\$ 50
Tube insert, 12 x 15 ml, Ø 16 mm		
22 TR 4	4525400	\$ 50
Tube insert, 6 x 50 ml, Ø 28 mm		

* Included in the delivery

Shakers | Accessories

MS 3 basic / digital accessories

	Ident. No.	Price
MS 3.1	3426300	\$ 44
Standard attachment		



MS 3.3	3426600	\$ 44
Universal attachment		



MS 1.21	L001540	\$ 21
One-hand insert		



MS 1.31	L001840	\$ 41
Test tube insert, 14 x Ø 10 mm		

MS 1.32	L001850	\$ 29
Test tube insert, 6 x Ø 12 mm		



MS 1.33	L001860	\$ 28
Test tube insert, 4 x Ø 16 mm		



MS 1.34	L001830	\$ 22
Test tube insert, without holes		



MS 3.4	3426400	\$ 59
Microtiter plate attachment		



MS 3.5	3428000	\$ 166
PCR plate attachment, 96-well		



VORTEX 3 accessories

	Ident. No.	Price
VG 3.1	3341201	\$ 22
Standard attachment		

VG 3.2	3342300	\$ 28
One-hand attachment, 88 mm		

VG 3.21	4206500	on request
Rubber pad, for VG 3.2 One-hand attachment		

VG 3.3	3342400	\$ 28
Universal attachment, 150 mm		

VG 3.31*	3344300	\$ 75
Test tube attachment for 54 Eppendorf tubes		

VG 3.32*	3343900	\$ 41
Test tube attachment, 18 x Ø 10 mm		

VG 3.33*	3344000	\$ 38
Test tube attachment, 12 x Ø 12 mm		

VG 3.34*	3344100	\$ 38
Test tube attachment, 8 x Ø 16 mm		

VG 3.35*	3344200	\$ 38
Test tube attachment, 8 x Ø 20 mm		

VG 3.36*	3342100	\$ 69
Erlenmeyer flask attachment, 100 – 250 ml		

VG 3.37*	3344400	\$ 35
Microtiter plate attachment		

* Used with VG 3.3 Universal Attachment, ordered separately

32



31



30



29



28



27



26



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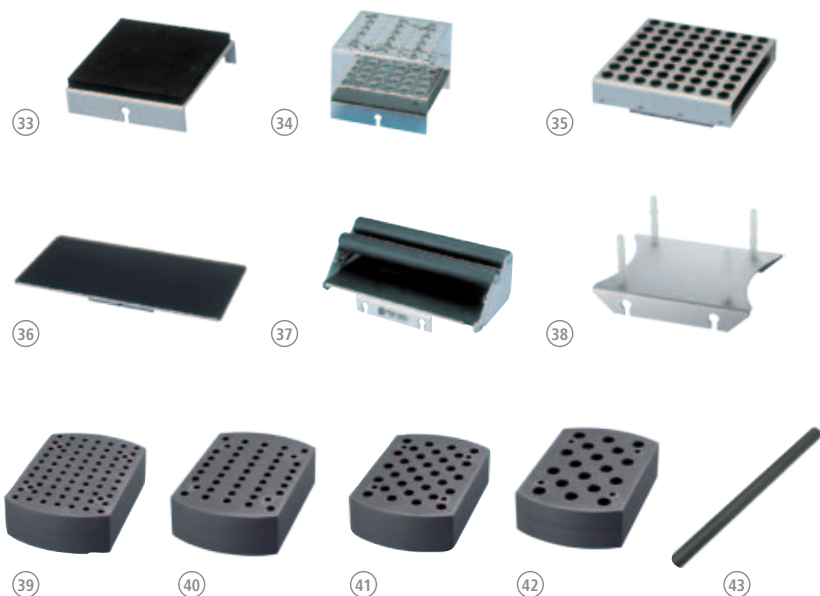
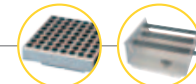


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23

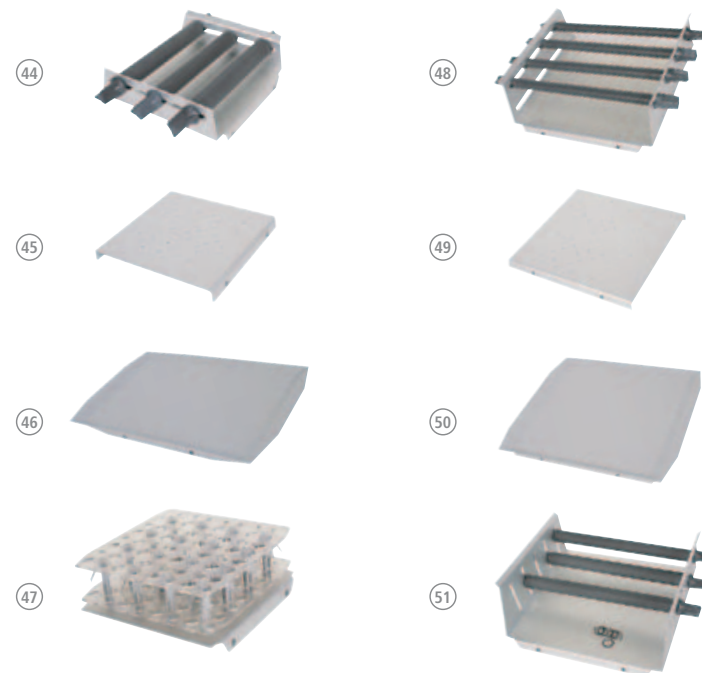




VXR basic accessories

	Ident. No.	Price
33 VX 1	0607200	\$ 137
One-hand attachment, 1 – 250 ml		
34 VX 2	0568900	\$ 586
Test tube attachment, 36 x Ø 16 mm		
35 VX 2E	1618100	\$ 585
Eppendorf attachment, 64 x 1.5 ml		
36 VX 7	0953300	\$ 424
Dish attachment, 410 x 210 mm		
37 VX 8	0910400	\$ 981
Universal attachment, 265 x 136 mm		

38 VX 11	3627700	\$ 285
Basic holder		
39 VX 11.1	3659000	\$ 246
Test tube insert, 70 x Ø 10 mm		
40 VX 11.2	3659100	\$ 246
Test tube insert, 41 x Ø 12 mm		
41 VX 11.3	3659200	\$ 209
Test tube insert, 32 x Ø 16 mm		
42 VX 11.4	3659300	\$ 209
Test tube insert, 18 x Ø 20 mm		
43 VX 8.1	3375400	\$ 90
Clamping roll		



KS 130 basic / control accessories

	Ident. No.	Price
44 AS 130.1	8017300	\$ 237
Universal attachment, set-up plate 220 x 220 mm		
45 AS 130.2	3115000	\$ 124
Fixing clip attachment, set-up plate 230 x 230 mm		
46 AS 130.3	3120000	\$ 234
Dish attachment, set-up plate 220 x 340 mm		
47 AS 130.4	3120300	\$ 237
Test tube attachment, 64 x Ø 10 – 16 mm		

KS / HS 260 basic / control and KS 3000 accessories

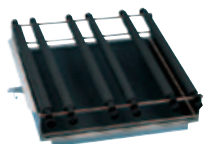
	Ident. No.	Price
48 AS 260.1	8017400	\$ 237
Universal attachment, set-up plate 320 x 320 mm		
49 AS 260.2	3115500	\$ 167
Fixing clip attachment, set-up plate 330 x 330 mm		
50 AS 260.3	3120600	\$ 130
Dish attachment, set-up plate 320 x 320 mm		
51 AS 260.5	3120900	\$ 713
Separating funnel attachment		

Shakers | Accessories

KS / HS 501 digital accessories

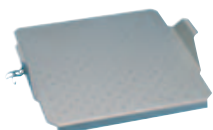
	Ident. No.	Price
AS 501.1	8000200	\$ 1,387

Universal attachment, set-up plate 420 x 420 mm



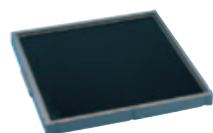
AS 501.4	2341100	\$ 1,323
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Fixing clip attachment, set-up plate 450 x 450 mm



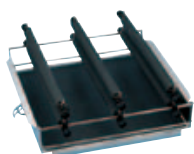
AS 501.5	2339600	\$ 370
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Dish attachment, set-up plate 420 x 420 mm



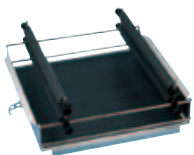
AS 501.2	8000300	\$ 1,457
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Separating funnel attachment, 480 x 505 x 190 mm



AS 501.3	8000400	\$ 1,379
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Separating funnel attachment, 480 x 505 x 190 mm



AS 501.6	8000500	\$ 2,411
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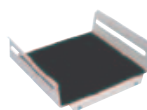
Separating funnel attachment, 480 x 505 x 225 mm



Other accessories

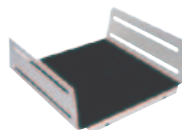
	Ident. No.	Price
AS 1.30	3148000	\$ 589

Basic holder for AS 130.1



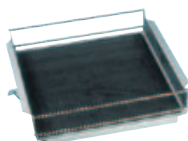
AS 1.60	3149000	\$ 335
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Basic holder for AS 260.1



AS 1.10	2339700	\$ 1,243
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Basic holder for AS 501.1



AS 1.31 AS 1.61 AS 1.11		
	3030500	\$ 48
	3030501	\$ 34
	2339800	\$ 103

Clamping roll for AS 130.1, AS 260.1, AS 501.1



IKA®+

STICKMAX

Universal adhesive mat,
200 x 200 mm



Ident. No. 3920000
Price: \$ 114

	Ident. No.	Price
AS 2.1	1234300	\$ 22

Fixing clips, 25 ml



AS 2.2	1234400	\$ 22
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Fixing clips, 50 ml



AS 2.3	1234500	\$ 22
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Fixing clips, 100 ml



AS 2.4	1234600	\$ 41
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Fixing clips, 200 / 250 ml



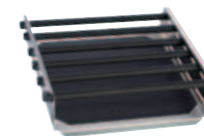
AS 2.5	1234700	\$ 41
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Fixing clips, 500 ml



AS 2.6	3819300	\$ 41
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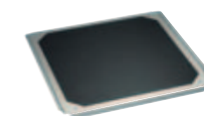
Fixing clips, 1000 ml



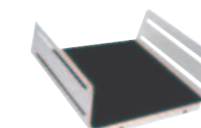
52



53



54



55



56



57

KS 4000 accessories i / ic control accessories

	Ident. No.	Price
52 AS 4000.1	8022200	\$ 1,877
Universal attachment, set-up plate 380 x 410 mm		
53 AS 4000.2	3710100	\$ 974
Fixing clip attachment, set-up plate 430 x 430 mm		
54 AS 4000.3	3710000	\$ 289
Dish attachment, set-up plate 430 x 430 mm		
55 AS 1.400	3710200	\$ 663
Basic holder for AS 4000.1		
56 AS 1.401	3712000	\$ 81
Clamping roll for AS 4000.1		
57 AS 1.402	3712300	\$ 20
Fastening screw for AS 4000.1		

Dispersers



IKA®'s ULTRA-TURRAX® – used for homogenizing, emulsifying or suspending. The digital display allows you to keep track of the speed and the development of the products focused on a soft start of the motor. There is a broad spectrum of dispersing tools to choose from. Common disperser applications include: homogenization of effluent samples, dispersing tasks under vacuum pressure, and PCR analysis.



High-performance dispersing instrument!

- > Works at high circumferential speeds
- > Enables the best possible results for any application



T 25 digital

Digital Display
Digital display for precise monitoring of set and actual speeds

Wide selection of dispersing tools to suit your application

Rotating knob for adjusting the speed

Motor protection against overload

Quick-connect coupling to exchange dispersing tools easily



ULTRA-TURRAX® Tube Drive

Patented



Technical data

	UTTD ULTRA-TURRAX® Tube Drive	ULTRA-TURRAX® Tube Drive control
Motor rating input / output	20 / 17 W	20 / 17 W
Speed range / Turbo speed	300 – 6000 rpm / –	400 – 6000 rpm / 8000 rpm
Display / Speed display	– / scale	OLED / digital
Timer	–	10 s – 30 min (infinitely adjustable)
Reverse rotation interval	–	10 – 60 s
Dimensions (W x D x H)	100 x 40 x 160 mm	122 x 178 x 48 mm
Weight	0.75 kg	1.0 kg
Protection class DIN EN 60529	IP 20	IP 20
Interface	yes	yes
Voltage	100 – 240 V	100 – 240 V
Frequency	50/60 Hz	50/60 Hz

Price

\$ 782

Ident. No. 3646000

\$ 967

Ident. No. 4135300



Included with delivery

	UTTD Workstation	ULTRA-TURRAX® Tube Drive control Workstation
ULTRA-TURRAX® Tube Drive	1	1
ST-20 Tube with stirring device	2	1
DT-20 Tube with rotor-stator element	2	1
BMT-20 G/S Tube for grinding with glass (G) or stainless steel balls (S)	2	2
Removal hook for removal of rotor-stator	1	1
Power supply	1	1

Price

\$ 888

Ident. No. 3645000

\$ 1,100

Ident. No. 3827500

No cleaning efforts
No cross-contamination
Reproducible test results

Tube Drive control

reddot design award
winner 2012



TURBO 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



OLED-Display 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



Watch the video:
www.ika.com/video

ULTRA-TURRAX® Tube Drive | Accessories



ST Tube with stirring devices

	Ident. No.	Price
ST-20 (pack of 25)	3703000	\$ 227
ST-20-M-gamma (pack of 20)	3700500	\$ 310
ST-50 (pack of 10)	3699500	\$ 118
ST-50-M (pack of 10)	3629500	\$ 118
ST-50-M-gamma (pack of 10)	3701500	\$ 264



DT Tube with rotor-stator element

	Ident. No.	Price
DT-20 (pack of 25)*	3703100	\$ 227
DT-20-M-gamma (pack of 20)*	3700600	\$ 310
DT-20 eco (pack of 25)**	0020003207	on request
DT-50 (pack of 10)*	3699600	\$ 118
DT-50-M (pack of 10)*	3629600	\$ 118
DT-50-M-gamma (pack of 10)*	3701600	\$ 264
DT-50 eco (pack of 10)**	0020003213	on request

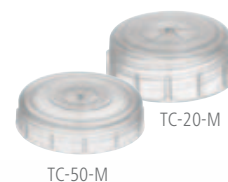
* Rotor-stator element made with PEEK

** Rotor-stator element made with PSU



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

	Ident. No.	Price
BMT-20-S (pack of 25)	3703200	\$ 227
BMT-20-G (pack of 25)	3703300	\$ 227
BMT-20-S-M-gamma (pack of 20)	3700700	\$ 310
BMT-50-S (pack of 10)	3699700	\$ 118
BMT-50-G (pack of 10)	3699800	\$ 118
BMT-50-S-M (pack of 10)	3629700	\$ 118
BMT-50-G-M (pack of 10)	3629800	\$ 118
BMT-50-S-M-gamma (pack of 10)	3701700	\$ 264



Cover for BMT tube

	Ident. No.	Price
TC-50; for 50 ml tubes (10 pcs.)	3749800	\$ 96
TC-20-M; with pierceable membrane for 20 ml tubes (25 pcs.)	3749900	\$ 96
TC-50-M; with pierceable membrane for 50 ml tubes (10 pcs.)	3750000	\$ 96

Balls for BMT tube

	Ident. No.	Price
Glass balls Ø 6 mm (250 g)	3599200	\$ 106
Stainless steel balls Ø 5 mm (250 g)	3599300	\$ 106



T-series ULTRA-TURRAX® Dispensers



Watch the video:
www.ika.com/video



reddot design award
winner 2012

reddot design award
winner 2012

Dispersing tools are not
included in delivery

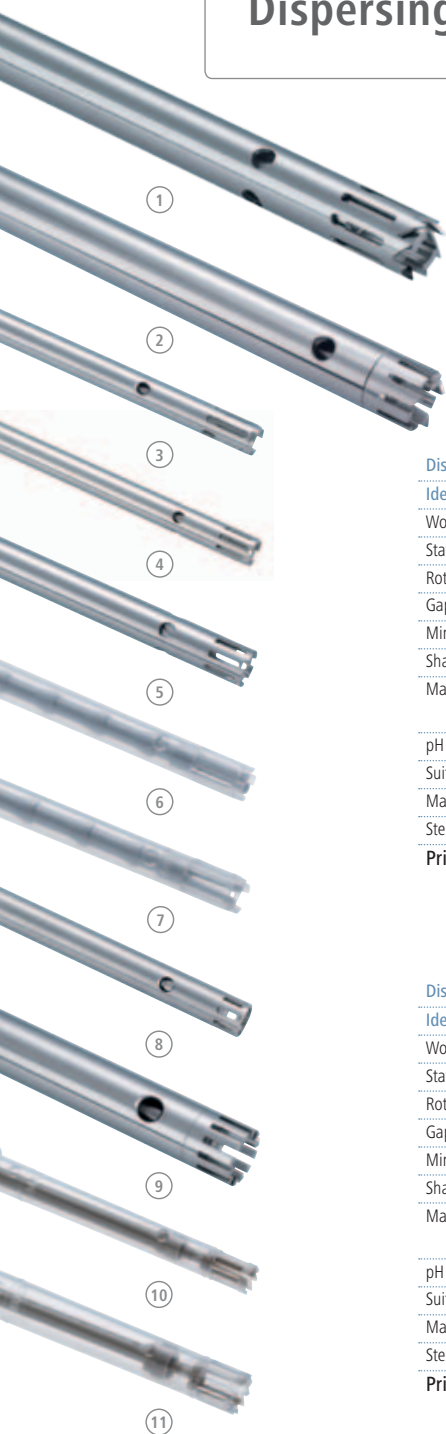
	T 10 basic	T 18 digital	T 25 digital
Technical data			
Motor rating input / output	125 / 75 W	500 / 300 W	800 / 500 W
Volume range (H ₂ O)	0.5 – 100 ml	1 – 1500 ml	1 – 2000 ml
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Speed range	8000 – 30,000 rpm 8000 – 26,000 rpm	3000 – 25,000 rpm	3000 – 25,000 rpm
Speed display	scale	LED	LED
Speed control	stepless	stepless	stepless
Noise without element	65 dB(A)	75 dB(A)	75 dB(A)
Extension arm diameter	8 mm	13 mm	13 mm
Extension arm length	130 mm	160 mm	160 mm
Process type	batch	batch	batch
Dimensions (W x D x H)	56 x 66 x 178 mm	87 x 106 x 271 mm	87 x 106 x 271 mm
Weight	0.5 kg	2.5 kg	2.5 kg
Perm. ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %	80 %
Protect. class DIN EN 60529	IP 30	IP 20	IP 20
Interface	no	no	no
Voltage	115 V	100 – 120 V	100 – 120 V
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Price	\$ 1,219	\$ 1,047	\$ 1,587
	Ident. No. 3737001	Ident. No. 3720001	Ident. No. 3725001

Dispersing tools are not
included in delivery

	T 50 digital	T 65 basic	T 65 digital
Technical data			
Motor rating input / output	1100 / 700 W	1800 / 1500 W	2600 / 2200 W
Volume range (H ₂ O)	0.25 – 30 l	2 – 50 l	2 – 50 l
Viscosity max.	5000 mPas	5000 mPas	5000 mPas
Speed range	600 – 10,000 rpm	7200 rpm (fixed)	1000 – 9500 rpm
Speed display	LED	–	LED
Speed control	stepless	fixed	stepless
Noise without element	72 dB(A)	75 dB(A)	75 dB(A)
Extension arm diameter	16 mm	flange	flange
Extension arm length	220 mm	flange	flange
Process type	batch	batch	batch
Dimensions (W x D x H)	115 x 139 x 355 mm	185 x 400 x 450 mm	300 x 400 x 390 mm
Weight	5.76 kg	26 kg	29 kg
Perm. ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %	80 %
Protect. class DIN EN 60529	IP 20	IP 54	IP 54
Interface	no	no	no
Voltage	100 – 120 V	3 x 230 V	3 x 230 V
Frequency	50/60 Hz	50 Hz	50/60 Hz
Price	\$ 2,811	\$ 6,545	\$ 7,012
	Ident. No. 3787001	Ident. No. 4023501	Ident. No. 4234501



Dispersing tools



T 10 basic

Dispersing element	S 10 N – 5 G
Ident. No.	3304000
Working range	0.5 – 10 ml
Stator diameter	5 mm
Rotor diameter	3.8 mm
Gap between rotor and stator	0.1 mm
Min. / max. immersion depth	20 / 75 mm
Shaft length	92 mm
Materials in contact with medium	PTFE, AISI 316L
pH range	2 – 13
Suitable for solvents	yes
Max. temperature	180 °C
Sterilization methods	all methods
Price	\$ 1,562

③

T 18 digital

Dispersing element	S 18 N – 10 G
Ident. No.	L004639
Working range	1 – 100 ml
Stator diameter	10 mm
Rotor diameter	7.5 mm
Gap between rotor and stator	0.35 mm
Min. / max. immersion depth	25 / 70 mm
Shaft length	108 mm
Materials in contact with medium	PTFE, AISI 316L
pH range	2 – 13
Suitable for solvents	yes
Max. temperature	180 °C
Sterilization methods	all methods
Price	\$ 1,171

⑧

Dispersing element

Ident. No.	4446500	4446700
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
Price	\$ 1,550	\$ 1,550

①

②

S 10 N – 8 G	S 10 N – 10 G	S 10 D – 7 G – KS – 65	S 10 D – 7 G – KS – 110
3305500	3370100	0020002076 (24 pcs.)	0020002075 (24 pcs.)
1 – 50 ml	1 – 100 ml	1 – 20 ml	1 – 40 ml
8 mm	10 mm	7 mm	7 mm
6.1 mm	7.6 mm	4.8 mm	4.8 mm
0.25 mm	0.2 mm	0.3 mm	0.3 mm
20 / 95 mm	20 / 100 mm	20 / 50 mm	20 / 90 mm
115 mm	115 mm	65 mm	110 mm
PTFE, AISI 316L	PTFE, AISI 316L	Polycarbonate (PC) Polysulfon (PSU)	Polycarbonate (PC) Polysulfon (PSU)
2 – 13	2 – 13	–	–
yes	yes	–	–
180 °C	180 °C	100 °C	100 °C
all methods	all methods	yes, autoclavable	yes, autoclavable
\$ 1,452	\$ 1,452	\$ 646	\$ 757

④

⑤

⑥

⑦

S 18 N – 19 G	S 18 D – 10 G – KS	S 18 D – 14 G – KS
L004640	3452400 (12 pcs.)	3452300 (12 pcs.)
10 – 1500 ml	10 – 100 ml	10 – 500 ml
19 mm	10 mm	14 mm
12.7 mm	6.75 mm	9.5 mm
0.4 mm	0.25 mm	0.35 mm
35 / 170 mm	15 / 85 mm	15 / 85 mm
204 mm	150 mm	150 mm
PTFE, AISI 316L	Polycarbonate (PC) Polyetheretherketon (PEEK)	Polycarbonate (PC) Polyetheretherketon (PEEK)
2 – 13	–	–
yes	–	–
180 °C	100 °C	100 °C
all methods	yes, autoclavable	yes, autoclavable
\$ 1,171	\$ 625	\$ 625

⑨

⑩

⑪

Disposable tube S 18 / 25-ET50

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

Ident. No.	3452500
Material	PP
Price	\$ 16





Dispersing element

Ident. No.

Working range

Stator diameter

Rotor diameter

Gap between rotor and stator

Min. / max. immersion depth

Shaft length

Materials in contact with medium

Price

T 25 digital

Dispersing element

Ident. No.

Working range

Stator diameter

Rotor diameter

Gap between rotor and stator

Min. / max. immersion depth

Shaft length

Materials in contact with medium

pH range

Suitable for solvents

Max. temperature

Sterilization methods

Min. vacuum

Max. pressure

Price

S 25 N – 8 G

1024200

1 – 50 ml

8 mm

6.1 mm

0.25 mm

27 / 85 mm

108 mm

PTFE, AISI 316L

2 – 13

yes

180 °C

all methods

–

–

\$ 1,256

(16)

Dispersing tools

IKA®+

Saw Tooth (ST) dispersing tools

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

T 25 digital

S 25 N – 8 G – ST

4446900

1 – 50 ml

8 mm

6.1 mm

0.25 mm

27 / 85 mm

108 mm

PTFE, AISI 316L

\$ 1,264

(12)

S 25 N – 10 G – ST

4447100

1 – 100 ml

10 mm

7.5 mm

0.35 mm

22 / 85 mm

105 mm

PTFE, AISI 316L

\$ 1,264

(13)

S 25 N – 18 G – ST

4447300

10 – 1500 ml

18 mm

13.4 mm

0.3 mm

40 / 165 mm

194 mm

PTFE, AISI 316L

\$ 1,620

(14)

S 25 N – 25 G – ST

4447500

50 – 2000 ml

25 mm

20 mm

0.5 mm

40 / 165 mm

194 mm

PTFE, AISI 316L

\$ 1,680

(15)

S 25 N – 10 G

0594000

1 – 100 ml

10 mm

7.5 mm

0.35 mm

22 / 85 mm

105 mm

PTFE, AISI 316L

2 – 13

yes

180 °C

all methods

–

\$ 1,370

(17)

S 25 N – 18 G

0593400

10 – 1500 ml

18 mm

12.7 mm

0.3 mm

40 / 165 mm

194 mm

PTFE, AISI 316L

2 – 13

yes

180 °C

all methods

–

\$ 1,370

(18)

S 25 KV – 18 G

2348000

10 – 1500 ml

18 mm

12.7 mm

0.3 mm

40 / 225 mm

270 mm

FFPM / SIC, AISI 316L

2 – 13

yes

220 °C

wet chemical

1 mbar

\$ 3,106

S 25 NK – 19 G

2494700

25 – 1500 ml

19 mm

12.7 mm

0.3 mm

40 / 165 mm

194 mm

PTFE, AISI 316L

2 – 13

yes

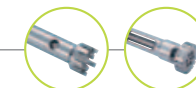
120 °C

wet chemical

–

\$ 1,243

Dispersing tools



Dispersing element	T 25 digital	
	S 25 N – 25 G	S 25 KV – 25 G
Ident. No.	1713300	2466900
Working range	50 – 2000 ml	50 – 2000 ml
Stator diameter	25 mm	25 mm
Rotor diameter	17 mm	17 mm
Gap between rotor and stator	0.5 mm	0.5 mm
Min. / max. immersion depth	40 / 165 mm	40 / 225 mm
Shaft length	194 mm	270 mm
Materials in contact with medium	PTFE, AISI 316L	FFPM / SIC, AISI 316L
pH range	2 – 13	2 – 13
Suitable for solvents	yes	yes
Max. temperature	180 °C	220 °C
Sterilization methods	all methods	wet chemical
Min. vacuum	–	1 mbar
Max. pressure	–	6 bar
Price	\$ 1,599	\$ 3,220

(19)

Dispersing element	T 25 digital	
	S 25 – KR – 18 G	
Ident. No.	0020002971	
Working range	10 – 1500 ml	
Stator diameter	18 mm	
Rotor diameter	12.7 mm	
Gap between rotor and stator	0.3 mm	
Min. / max. immersion depth	40 – 185 mm	
Shaft length	194 mm	
Materials in contact with medium	FKM, PTFE, AISI 316L	
pH range	2 – 13	
Suitable for solvents	no	
Max. temperature	110 °C	
Sterilization methods	wet chemical	
Min vacuum	50 mbar	
Price	on request	

Silentstream

The flow breaker is used to prevent vortexing and to minimize air induction into the medium.

Ident. No. 0003754000

Fits the following dispersing elements:

S 25 N – 18 G	S 25 KV – 18 G
S 25 N – 25 G	S 25 KV – 25 G
S 25 N – 25 F	S 25 KV – 25 F
S 25 NK – 19 G	S 18 N – 19 G

S 25 N – 25 F	S 25 KV – 25 F	S 25 D – 10 G – KS	S 25 D – 14 G – KS
1713800	2404000	3452200 (12 pcs.)	3452100 (12 pcs.)
100 – 2000 ml	100 – 2000 ml	10 – 100 ml	10 – 500 ml
25 mm	25 mm	10 mm	14 mm
18 mm	18 mm	6.75 mm	9.5 mm
0.5 mm	0.5 mm	0.25 mm	0.35 mm
40 / 165 mm	40 / 225 mm	15 / 85 mm	15 / 85 mm
194 mm	270 mm	150 mm	150 mm
PTFE, AISI 316L	FFPM / SIC, AISI 316L	Polycarbonate (PC) Polyetheretherketon (PEEK)	Polycarbonate (PC) Polyetheretherketon (PEEK)
2 – 13	2 – 13	–	–
yes	yes	–	–
180 °C	180 °C	100 °C	100 °C
all methods	all methods	yes, autoclavable	yes, autoclavable
–	–	–	–
–	–	–	–
\$ 1,554	\$ 3,220	\$ 600	\$ 600

(20)

(21)

(22)

S 25 – KR – 25 G	S 25 – KR – 18 G – ST	S 25 – KR – 25 G – ST	S 25 – KR – 25 F
0020002972	0020002973	0020002974	0020002975
50 – 2000 ml	10 – 1500 ml	50 – 2000 ml	100 – 2000 ml
25 mm	18 mm	25 mm	25 ml
17 mm	13.4 mm	20 mm	18 mm
0.5 mm	0.25 mm	0.5 mm	0.5 mm
40 – 185 mm	40 – 185 mm	40 – 185 mm	40 – 185 mm
194 mm	194 mm	194 mm	194 mm
FKM, PTFE, AISI 316L	FKM, PTFE, AISI 316L	FKM, PTFE, AISI 316L	FKM, PTFE, AISI 316L
2 – 13	2 – 13	2 – 13	2 – 13
no	no	no	no
110 °C	110 °C	110 °C	110 °C
wet chemical	wet chemical	wet chemical	wet chemical
50 mbar	50 mbar	50 mbar	50 mbar
on request	on request	on request	on request

TS 25-3

Cleaning tool for cleaning three dispersing elements. The cleaning tool consists of an aluminum stand, three cleaning tubes (PP) and three covers with openings (PP).

Ident. No. 0020003013

Material tubes	PP
Material lid	PP
Material stand	aluminum anodized

Price

on request

Fits the following dispersing elements:

S 25 N – 18 G / 18 G – ST
S 25 N – 25 G / F / 25 G – ST
S 25 KR – 18 G / 18 G – ST
S 25 KR – 25 G / 25 F / 25 G – ST
S 25 KV – 18 G / 25 G / 25 F

Dispersing tools



Dispersing element

Ident. No.

Working range

Stator diameter

Rotor diameter

Gap between rotor and stator

Min. / max. immersion depth

Shaft length

Min. vacuum

Max. pressure

Materials in contact with medium

pH range

Suitable for solvents

Max. temperature

Sterilization methods

Price

	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.	8003000	8003300	8003900	8039500
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	–
Price	\$ 3,161	\$ 3,735	\$ 3,714	\$ 3,047

(23)

(24)

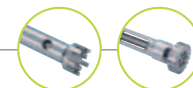
(25)

T 50 digital

S 50 KG – HH – G 45 G	S 50 KG – HH – G 45 G – ST	S 50 KG – HH – G 45 M	S 50 KG – HH – G 45 F
S 50 KG – HH – G 45 G FDA	S 50 KG – HH – G 45 G – ST FDA	S 50 KG – HH – G 45 M FDA	S 50 KG – HH – G 45 F FDA
8003200	0010000648	8003500	8004100
0010000637	0010000640	0010000638	0010000639
0.5 – 20 l	0.5 – 20 l	0.5 – 15 l	0.25 – 10 l
45 mm	45 mm	45 mm	45 mm
36 mm	38 mm	40.5 mm	40 mm
0.5 mm	0.5 mm	0.25 mm	0.5 mm
70 / 260 mm	70 / 260 mm	70 / 250 mm	70 / 250 mm
300 mm	300 mm	300 mm	290 mm
1 mbar	1 mbar	1 mbar	1 mbar
6 bar	6 bar	6 bar	6 bar
FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
2 – 13	2 – 13	2 – 13	2 – 13
yes	yes	yes	yes
180 °C	110 °C	180 °C	180 °C
wet chemical	wet chemical	wet chemical	wet chemical
\$ 9,057 on request	on request on request	\$ 9,650 on request	\$ 9,677 on request

T 50 digital

Dispersing element	S 50 B – G 45 G	S 50 B – G 45 G – ST	S 50 B – G 45 M	S 50 B – G 45 F
Ident. No.	0010000633	0010000636	0010000634	0010000635
Working range	0.5 – 20 l	0.5 – 15 l	0.5 – 15 l	0.25 – 10 l
Stator diameter	45 mm	45 mm	45 mm	45 mm
Rotor diameter	36 mm	38 mm	40.5 mm	40 mm
Gap between rotor and stator	0.5 mm	0.5 mm	0.25 mm	0.5 mm
Min. / max. immersion depth	70 – 250 mm	70 – 250 mm	70 – 250 mm	70 – 250 mm
Shaft length	300 mm	300 mm	300 mm	300 mm
Materials in contact with medium	AISI 316L, bronze	AISI 316L, bronze	AISI 316L, bronze	AISI 316L, bronze
pH range	2 – 13	2 – 13	2 – 13	2 – 13
Suitable for solvents	yes	yes	yes	yes
Max. temperature	180 °C	180 °C	180 °C	180 °C
Sterilization methods	all methods	all methods	all methods	all methods
Price	on request	on request	on request	on request



Dispersing tools



Dispersing element

Ident. No.
Working range
Stator diameter
Rotor diameter
Gap between rotor and stator
Min. / max. immersion depth
Shaft length
Materials in contact with medium
pH range
Suitable for solvents
Max. temperature
Sterilization methods
Min. vacuum
Price

Dispersing element

Ident. No.
Working range
Max. circumferential speed
Max. permissible rotor diameter
Material
Generator diameter
Min. / max. immersion depth
Available seals
Price

Dispersing element

Ident. No.
Working range
Stator diameter
Rotor diameter
Gap between rotor and stator
Min. / max. immersion depth
Shaft length
Materials in contact with medium
pH range
Suitable for solvents
Max. temperature
Sterilization methods
Min. vacuum
Max. pressure
Price

T 50 digital

S 50 KR – G 45 G	S 50 KR – G 45 G – ST	S 50 KR – G 45 M	S 50 KR – G 45 F
0010000629	0010000632	0010000630	0010000631
0.5 – 20 l	0.5 – 20 l	0.5 – 15 l	0.25 – 10 l
45 mm	45 mm	45 mm	45 mm
36 mm	38 mm	40.5 mm	40 mm
0.5 mm	0.5 mm	0.25 mm	0.5 mm
70 – 260 mm	70 – 260 mm	70 – 260 mm	70 – 260 mm
300 mm	300 mm	300 mm	300 mm
PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L
2 – 13	2 – 13	2 – 13	2 – 13
no	no	no	no
110 °C	110 °C	110 °C	110 °C
wet chemical	wet chemical	wet chemical	wet chemical
100 mbar	100 mbar	100 mbar	100 mbar
on request	on request	on request	on request

T 50 digital

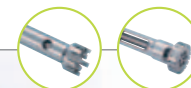
R 50 "high speed" stirring shaft	S 50 N – W 65 SK Cutting head	S 50 N – W 80 SMK Jet mixer head
1689300*	8005100	8006300
0.25 – 30 l	1 – 10 l	1 – 50 l
15.7 – 23 m/s	–	–
50 mm	–	–
Stainless steel (AISI 316L)	–	–
–	65 mm	80 mm
–	80 / 350 mm	140 / 350 mm
–	S 50 N	S 50 N
\$ 3,058	\$ 4,397	\$ 4,442

* Included with delivery:
R 1402 Dissolver
Ident. No. 0001243300

T 65 basic I digital

S 65 KG – HH – G 65 G	S 65 KG – HH – G 65 M	S 65 KG – HH – G 65 F
8005500	8005700	8005900
2 – 50 l	2 – 40 l	2 – 30 l
65 mm	65 mm	65 mm
58 mm	58 mm	58 mm
0.5 mm	0.5 mm	0.5 mm
90 / 450 mm	80 / 450 mm	80 / 450 mm
520 mm	510 mm	500 mm
FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
2 – 13	2 – 13	2 – 13
yes	yes	yes
180 °C	180 °C	180 °C
wet chemical	wet chemical	wet chemical
1 mbar	1 mbar	1 mbar
6 bar	6 bar	6 bar
\$ 2,894	\$ 2,985	\$ 3,141

Dispersing tools



	T 65 basic I digital		
Dispersing element	S 65 KR – G 65 G	S 65 KR – G 65 M	S 65 KR – G 65 F
Ident. No.	0010000641	0010000642	0010000643
Working range	2 – 50 l	2 – 40 l	2 – 30 l
Stator diameter	65 mm	65 mm	65 mm
Rotor diameter	53 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	520 mm	520 mm
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L	PTFE, AISI 316L
pH range	2 – 13	2 – 13	2 – 13
Suitable for solvents	no	no	no
Max. temperature	80 °C	80 °C	80 °C
Sterilization methods	wet chemical	wet chemical	wet chemical
Min. vacuum	100 mbar	100 mbar	100 mbar
Price	on request	on request	on request

For dispersing instrument	Dispersing element Shaft / Agitator shaft	With seal or bearing type*	Generator or element**	With outer diameter (mm)	Degree of fineness achieved***
T 10 basic	S 10	N	—	5 / 8 / 10	G
T 18 digital	S 18	N	—	10 / 19	G
T 25 digital	S 25	N / KV / NK / KR	—	8 / 10 / 18 / 19 / 25	G / F
T 50 digital	S / R 50	N / B / KR	G / W	45 / 65 / 80	G / M / F
T 65 basic	S 65	KG – HH / KR	G	65	G / M / F
T 65 digital	S 65	KG – HH / KR	G	65	G / M / F

*N = PTFE bearing

KV = Ball bearing with vacuum-tight sliding-ring seal with silicon carbide seal rings

NK = PTFE bearing with additional ball bearing without seal

KG – HH = Ball bearing with sliding-ring seals of hard metal allow with FFPM seals rings

B = Bronze bearing

KR = Ball bearing with FKM or FFPM seal

**G = Proved configuration

W = Special element

***G = Coarse

M = Medium

F = Fine

magic LAB®



magic
LAB®



Materials in contact
with medium made
of stainless steel



7 interchangeable
modules available



Handy transport box with
integrated power supply
included in delivery

magic LAB® with module UTL

Technical data

Motor power	900 W
Speed range (40 m/s)	3000 – 26,000 rpm
Operating voltage	220 – 240 V
Frequency	50 – 60 Hz
Process pressure	up to 2.5 bar
Product temperature in continuous operation	up to 80 °C
In short time operation (up to 18 min/h)	up to 120 °C
Materials in contact with the medium	Stainless steel (AISI 316L and AISI 316Ti)
Sealing material	PTFE-compound
Shaft sealing ring	Standard FPM
Elastomers in the working chamber	optional EPDM (FDA), FFPM
Dimensions (W x D x H)	170 x 270 x 215 mm

Price

\$ 12,105

Ident. No. U078310

magic LAB®

- > Suitable for a wide range of applications
- > Ideal for inline, circulating and classical batch processing
- > Safe scale-up due to many constant work parameters
- > Modular construction
- > Simple heating and cooling of all modules
- > Easy and quick exchange of the modules
- > With rotor-stator systems operating at circumferential speeds up to 40 m/s



Multifunction storage and
transportation box

One machine for many mixing tasks

The magic LAB® is a unique and multi-functional small-scale laboratory machine. It is designed for mixing, dispersing, wet milling and incorporation of powders into liquids.

The magic LAB® is most frequently used for the development of new products or for optimizing of existing process techniques, particularly in the chemical, cosmetic, pharmaceutical and food industries. It is an ideal machine for continuous, circulating and batch processing with interchangeable modules.





magic LAB® with module UTC
Dispersing/mixing in batch operation



CMS Periphery
The integrated solution for wetting
of most difficult powders



1 l module Micro-Plant
with exchangeable modules
(UTL / DR / MK / MKO)



2 l module Micro-Plant
with exchangeable modules
(UTL / DR / MK / MKO)



Three-stage dispersing for
manufacturing of fine emulsions
and suspensions.



Wet-milling by means of spiral
gearing milling tool. Production of
colloidal solutions. Adjustable flow
rate and friction by setting the gap
between the rotor and stator.



Wet-milling as with the
MK-module. The cones are
furnished with an abrasion-
resistant tungsten carbide-cobalt
coating. Narrowest grinding
gap enables producing of even
finer suspensions.



Suction of solids into fluids
in the recirculation process.
Free from lumps and dust
processing of powders and
granules. Energy-efficient
homogeneous mixing.



Continuous mixing and dispersion of
powders in liquids. Patented process.
Fast and homogeneous mixing in only
one passage, avoiding agglomerates.
Solids content up to 80%.

Technical data

Flow rate	80 l/h (H ₂ O)
Standard rotational speed	14,600 rpm
Circumferential speed	23 m/s
Price	\$ 1,660

* At standard rotational speed and 50 Hz
** at minimal gap between the rotor and stator

Module DISPAX-REACTOR® DR
80 l/h (H ₂ O)
14,600 rpm
23 m/s
\$ 1,660
Ident. No. U078352

Module Colloid mill MK
200 l/h (H ₂ O)**
14,600 rpm
23 m/s*
\$ 3,735
Ident. No. U076662

Module Cone mill MKO
25 l/h (H ₂ O)**
14,600 rpm
23 m/s*
\$ 3,736
Ident. No. U079664

Module CMS
1000 l/h (H ₂ O)**
11,000 rpm
19.5 m/s*
\$ 3,518
Ident. No. U075333

Module MHD (mixing, homogenising, dispersing)
60 l/h (H ₂ O)**
14,600 rpm
23 m/s*
\$ 3,656
Ident. No. U075256

Mills



IKA® introduces the world's first disposable grinding system for safe, instant and precise milling results. The disposable grinding chamber eliminates the possibility of cross-contamination and saves cleaning costs and time. Convenient to use while assuring high safety and reproducibility to cover a broad range of applications. One can also use dry ice to cool the sample. The Tube Mill control is patented, designed and manufactured exclusively by IKA®.



World's first!

- > Disposable grinding chamber
- > Stops cross-contamination
- > No cleaning required
- > Perfect milling results
- > Large application range

Patented



Tube Mill control



Dust-proof sealed housing High level of user safety



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



Adjustable safety speed and time



USB interface to control and document all the parameters and for updating your firmware



reddot design award winner 2013

Mills



Watch the video:
www.ika.com/video



100ml chamber coming soon.
Please contact your IKA® representative for further information

Technical data

Motor rating input / output	100 / 80 W
Speed range	5000 – 25,000 rpm
Useful volume	40 ml
Duty cycle (ON / OFF)	5 s – 3 min (timer)
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 relative moisture	80%
Protection class acc. to DIN EN 60529	IP 30

Price \$ 1,721

Ident. No. 4180001*

* Two single grinding chambers are included in the delivery



Disposable grinding chamber, 40ml

	Ident. No.	Price
MT 40.10	4425000	\$ 78
Disposable grinding chamber (10 pieces/pack)		
MT 40.100	0020001173	\$ 668
Disposable grinding chamber (100 pieces/pack)		
MTC 40.100	0020001182	\$ 71
Cover for MT 40		
MT 40.10 sterile	0020001984	\$ 158
Disposable grinding chamber steril 40 ml (10 pieces)		
MT 40.100 sterile	0020001985	\$ 1,469
Disposable grinding chamber steril 40 ml (100 pieces)		

Multiple grinding chamber, 40ml

	Ident. No.	Price
MMT 40	0020003165	\$ 209
MMT 40.1 Stainless Steel package, includes 1 MMT 40 chamber, 25 sealings, 5 beaters, 5 couplings		
A-MMT 40.100	0020003378	\$ 156
A-MMT 40.100 Abrasion Set Spare Parts, includes 100 sealings, 10 beaters, 10 couplings		



Quiet operation



Dust-proof sealed housing
High level of user safety



Adjustable safety speed and time



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



Tube Mill control



Interval operation available
Easy operation with touch keypad



USB interface to control and document all the parameters and for updating your firmware

Cross-contamination free
No cleaning required
Precise milling results
Large application range



Mills

M 20



Removable

Removable, easy-to-clean,
high-grade stainless steel
chamber



Double-walled

Double-walled grinding
chamber

NEW
Q3/2015



Technical data

	A 10 basic	A 11 basic	M 20 Universal mill
Motor rating input/output	300 / 240 W	160 / 100 W	620 / 260 W
Speed range	25,000 rpm (fixed)	28,000 rpm (fixed)	20,000 rpm (fixed)
Useful volume	50 ml	80 ml (optional 250 ml)	250 ml
Duty cycle (ON / OFF)	5 / 10 min	1 / 10 min	7 / 10 min
Overload protection	yes	yes	yes
Circumferential speed	72 m/s	53 m/s	72 m/s
Max. feed hardness	5 Mohs*	9 Mohs	9 Mohs
Max. feed grain size	6 mm	10 mm	7 mm
Grinding chamber material	stainless steel (AISI 14301)	stainless steel (AISI 316L)	stainless steel (AISI 316L)
Dimensions (W x D x H)	130 x 145 x 250 mm	85 x 85 x 240 mm	170 x 170 x 350 mm
Weight	2.9 kg	1.5 kg	6.6 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Protection class acc. to DIN EN 60529	IP 21	IP 43	IP 21
Price	on request	\$ 1,517	\$ 4,385
	Ident. No. 4020701**	Ident. No. 2900001	Ident. No.1603603

* 9 Mohs with accessory beater/cutter M 22, A 10.3 or A 11.3

** A 10.1 and A 10.4 included in the delivery of all A 10 basic

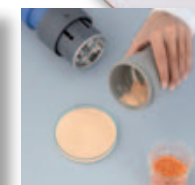
A 11
basic



Quiet operation



Easily exchangeable
beater / cutter



Universal mill | Microfine grinder



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

Technical data

	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	6 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 10.1)
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80%
Protection class acc. to DIN EN 60529	IP 22

Price

\$ 3,054

Ident. No. 2836001

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

Price

MF 10.1: \$ 2,186

MF 10.2: \$ 1,863

1 MF 10.1
Cutting-grinding head
Ident. No. 2870900

2 MF 10.2
Impact-grinding head
Ident. No. 2871000

MF 10 basic



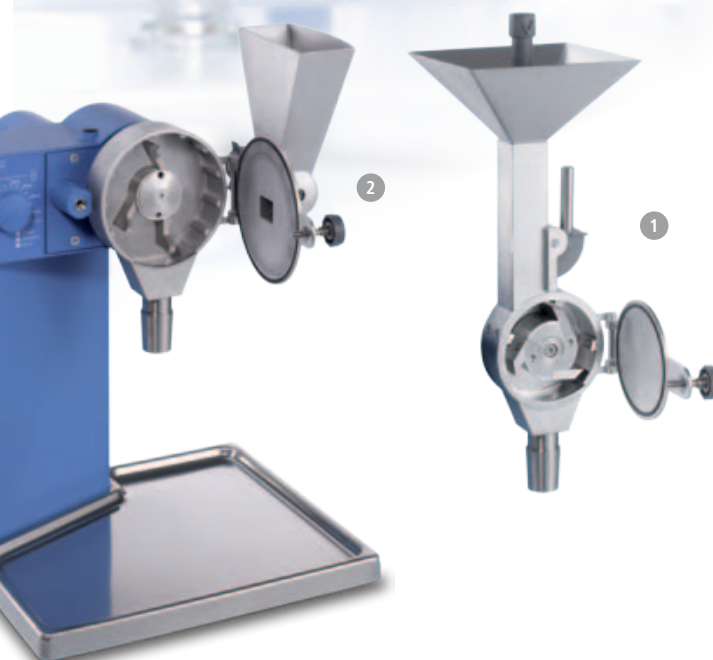
Easily interchangeable heads



Easy to clean working surface made of stainless steel



Powerful drive



Mills | Accessories

A 10 basic accessories

	Ident. No.	Price
A 10.1	0025001680	on request
Stainless steel cutter		
A 10.2	0025001162	on request
Star-shaped cutter		
A 10.3	0025001161	on request
Hard metal cutter		
A 10.4	0025001664	on request
Grinding chamber reduction		

A 11 basic accessories

	Ident. No.	Price
A 11.1	2904600	\$ 57
Spare beater, stainless steel		
A 11.2	2905200	\$ 138
Cutting blade, stainless steel		
A 11.3	2983000	\$ 203
Beater, stainless steel, coated with chromium carbide		
A 11.4	2904100	\$ 196
Grinding chamber, polycarbonate, 250 ml		
A 11.5	2983100	\$ 265
Spare grinding chamber, Tefcel, 80 ml		
A 11.6	3302900	\$ 400
Double beater, titanium		
AS 11.7	3048700	\$ 327
Funnel, jacket PTFE, sieve stainless steel		



MF 10 basic accessories

	Ident. No.	Price
MF 0.25	2938900	\$ 359
Sieve, Ø 0.25 mm		
MF 0.5	2939000	\$ 359
Sieve, Ø 0.5 mm		
MF 1.0	2939200	\$ 359
Sieve, Ø 1 mm		
MF 2.0	2939400	\$ 359
Sieve, Ø 2 mm		
MF 3.0	2939500	\$ 359
Sieve, Ø 3 mm		
MF 4.0	2939600	\$ 608
Sieve, Ø 4 mm		



M 20 accessories

	Ident. No.	Price
M 21	0328200	\$ 100
Spare cutter, stainless steel		
M 22	0521800	\$ 489
Hard metal cutter, tungsten carbide		
M 23	1443400	\$ 391
Star-shaped cutter, stainless steel		
M 20.1	8006200	\$ 3,225
Grinding chamber, 250 ml		



Universal mill | Pilotina

IKA®+

The IKA® Pilotina can be used for a great variety of milling functions in a diverse range of industrial tasks.



The universal 2 in 1 mill for dry products



The cutting mill system
The preeminent choice for the disintegration of smooth, sticky, elastic or fibrous materials.



The impact milling system
The foremost option for the disintegration of hard and brittle materials.

Technical data	Pilotina MU	Pilotina MC	Pilotina MI
Motor power	3 kW	1.5 kW	1.5 kW
Speed range	1500 – 4500 rpm	1500 rpm	3000 rpm
Speed indication	digital	no	no
Capacity (depending on the final fineness)	approx. 60 – 80 kg/h	approx. 60 kg/h	approx. 80 kg/h
Overload protection	yes	yes	yes
Circumferential speed	9 – 34 m/s	9 m/s	22 m/s
Max. charging hardness	3 or 6 Mohs	3 Mohs	6 Mohs
Approx. max. charging size	65 x 60 or 25 mm	65 x 60 mm	25 mm
Dimensions, approx. (L x W x H)	485 x 575 x 700 mm	485 x 575 x 700 mm	485 x 575 x 630 mm
Weight, approx.	80 kg	70 kg	70 kg
Protection type	IP 55	IP 55	IP 55
Price	\$ 34,956	\$ 24,200	\$ 26,530
	Ident. No. U105421	Ident. No. U106466	Ident. No. U106465



Pilotina



Easily interchangeable funnels



Easy conversion from a cutting mill to an impact mill



Circumferential speed adjustable to requirements of the milling process



Safe design of inlet and outlet

Universal 2 in 1 Mill for dry products

The IKA® Pilotina is a dry milling system in pilot plant scale, available in 3 different configurations. The modular design allows an easy modification from impact to cutting mill and vice versa within shortest time. Your advantage: one machine, two milling principles, all this without making any compromise regarding disintegration quality. Due to the powerful, frequency controlled 3 kW drive with digital indication the circumferential speed of the tool can be adjusted to the required milling process in an optimum way.

Dry Block Heaters



IKA® has a diverse range of dry block heaters designed to accommodate various interchangeable heating blocks. They provide precise temperature control for reproducible results. These digital block heaters are ideal for melting and boiling point determination, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture media tests, coagulation tests, blood urea- nitrogen determinations and in situ hybridizations.



Precise temperature control!

- > Bushing acc. to DIN 12878
- > Rapid heat up rates
- > Exceptional temperature uniformity
- > PT 1000.60 temperature sensor included in the delivery

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



Dry Block Heaters

IKA® dry block heaters are very versatile and suitable for a broad range of applications.

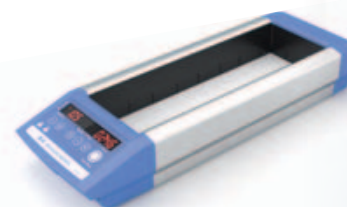
- > DNA extractions
- > DNA analysis
- > Melting point determination
- > Boiling point determination
- > Immunoassays
- > Enzyme reactions
- > Enzymatic processes
- > Enzyme activity studies
- > In situ hybridization
- > Blood-urea-nitrogen determinations
- > Nucleic acid hybridization
- > Coagulation studies
- > Biochemical processes
- > Incubation and activation of cultures
- > Blood examinations
- > Fertile ground processing
- > Restriction digest
- > Denaturation



Technical data	Dry Block Heater 1	Dry Block Heater 2
Number of blocks	1	2
Heat output	165 W	250 W
Heating temperature range	RT +5 °C to 120 °C	RT +5 °C to 120 °C
Display	LED	LED
Heat control accuracy	± 1 K	± 1 K
Connection for external temperature sensor	DIN 12878	DIN 12878
Control accuracy with sensor	± 1 K	± 1 K
Material of the blocks	aluminum alloy	aluminum alloy
Timer	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
Price	\$ 855	\$ 943
	Ident. No. 4025101*	Ident. No. 4025201*

IKA®+

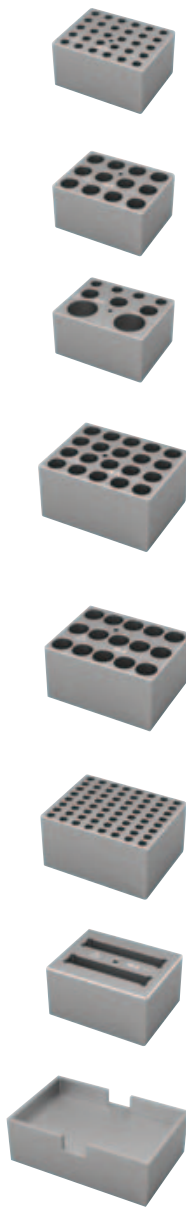
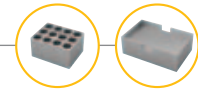
PT 1000.60 temperature sensor included in the delivery.



Dry Block Heater 3	Dry Block Heater 4
3	4
330 W	412 W
RT +5 °C to 120 °C	RT +5 °C to 120 °C
LED	LED
± 1 K	± 1 K
DIN 12878	DIN 12878
± 1 K	± 1 K
aluminum alloy	aluminum alloy
1 min to 99h 59min	1 min to 99h 59min
151 x 380 x 73 mm	151 x 456 x 73 mm
\$ 1,128	\$ 1,241
Ident. No. 4025301*	Ident. No. 4025401*

* PT 1000.60 Temperature sensor included in the delivery of all the Dry Block Heaters

Dry Block Heaters | Accessories



Single blocks (95 x 76 x 51)

Micro centrifuge tubes

- DB 1.1 Single block, PCR tubes, 0.5 ml
- DB 1.2 Single block, Eppendorf tubes, 1.5 ml
- DB 1.3 Single block, Microtubes, 1.5 ml
- DB 1.4 Single block, Eppendorf tubes, 2.0 ml
- DB 1.5 Single block, Corning tubes, 2.0 ml

Conical bottom centrifuge tubes

- DB 2.1 Single block, Conical tubes, 15 ml
- DB 2.2 Single block, Conical tubes, 50 ml

Combination blocks

- DB 3.1 Single block, test tube combination, 6 / 12 / 13 / 25 mm
- DB 3.2 Single block, centrifuge combination, 1.5 / 15 / 50 ml
- DB 3.3 Single block, microtube combination, 0.5 / 1.5 / 2 ml

Standard test tubes

- DB 4.1 Single block, Round tubes, 6 mm
- DB 4.2 Single block, Round tubes, 10 mm
- DB 4.3 Single block, Round tubes, 12 / 13 mm
- DB 4.4 Single block, Round tubes, 12 / 13 mm
- DB 4.5 Single block, Round tubes, 15 / 16 mm
- DB 4.6 Single block, Round tubes, 20 mm
- DB 4.7 Single block, Round tubes, 25 mm
- DB 4.8 Single block, Round tubes, 35 mm
- DB 4.9 Single block, Round tubes, 17 / 18 mm

Vials

- DB 5.1 Single block, 12 mm vials
- DB 5.2 Single block, 15 mm vials
- DB 5.3 Single block, 17 mm vials
- DB 5.4 Single block, 19 mm vials
- DB 5.5 Single block, 21 mm vials
- DB 5.6 Single block, 23 mm vials
- DB 5.7 Single block, 25 mm vials
- DB 5.8 Single block, 28 mm vials
- DB 5.9 Single block, 16 mm vials

PCR - plates, tubes, strips

- DB 6.1 Single block, 10 x 8 PCR tube strips, 0.2 ml tubes
- DB 6.2 Single block, 64 PCR tubes, 0.2 ml tubes
- DB 6.3 Double block, 1 x 96-well PCR plate, 0.2 ml tubes

Cuvettes

- DB 8.1 Single block, 2 x 6 cuvettes, 12.5 mm

Double block (95 x 152 x 57)

Microtitre plates

- DB 7.1 Double block, 96- or 384-Well-Platte

Temperature sensors

- PT 1000.60
- PT 1000.90

Holes ø	No. of holes	Hole depth (mm)	Ident. No.	Price
Ø 7.9 mm	30	27.6	4467600	\$ 132
Ø 11.5 mm	20	36.9	4467700	\$ 110
Ø 11.1 mm	20	39.1	4467800	\$ 110
Ø 11.5 mm	20	38.1	4467900	\$ 110
Ø 10.9 mm	20	38.1	4468000	\$ 110
Ø 17.1 mm	12	44.5	4468100	\$ 132
Ø 29.0 mm	5	47.6	4468200	\$ 131
Ø 8.3 / Ø 13.9 / Ø 26.2 mm	6 / 5 / 3	48.4 / 48.4 / 48.4	4468300	\$ 130
Ø 11.1 / Ø 17.1 / Ø 29.0 mm	4 / 3 / 2	39.1 / 44.5 / 47.6	4468400	\$ 130
Ø 7.9 / Ø 11.1 / Ø 11.5 mm	6 / 10 / 5	27.6 / 39.1 / 38.1	4468500	\$ 132
Ø 8.3 mm	30	48.4	4468600	\$ 144
Ø 10.7 mm	24	48.4	4468700	\$ 135
Ø 13.9 mm	16	48.4	4468800	\$ 132
Ø 13.9 mm	20	48.4	4468900	\$ 135
Ø 17.5 mm	12	48.4	4469000	\$ 129
Ø 21 mm	8	48.4	4469100	\$ 132
Ø 26.2 mm	6	48.4	4469200	\$ 130
Ø 35 mm	4	47.6	4469300	\$ 131
Ø 19.1 mm	12	48.4	4469400	\$ 128
Ø 12.7 mm	20	30.0	4469500	\$ 132
Ø 15.8 mm	20	35.0	4469600	\$ 132
Ø 17.8 mm	12	45.0	4469700	\$ 132
Ø 19.7 mm	12	45.0	4469800	\$ 128
Ø 21.7 mm	9	45.0	4469900	\$ 128
Ø 23.8 mm	8	45.0	4470000	\$ 128
Ø 25.8 mm	8	45.0	4470100	\$ 128
Ø 28.8 mm	6	45.0	4470200	\$ 128
Ø 16.4 mm	15	45.0	4470300	\$ 128
Ø 6.4 mm	80	15.5	4470400	\$ 128
Ø 6.4 mm	64	20.2	4470500	\$ 131
Ø 6.4 mm	96	15.5	4470600	\$ 148
		25.4	4470700	\$ 131
Holes ø	No. of holes	Hole depth (mm)	Ident. No.	Price
		13.5	4470800	\$ 152

Ident. No.	Price
Temperature sensor, stainless steel, Ø 3 mm	3516800 \$ 169
Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm	4480600 \$ 184

Hotplates



IKA® hotplates allow for safe heating and tempering. The set-up plate is made from glass ceramics that ensures the best possible chemical resistance. The hotplates offer a high level of safety due to a fixed safety circuit, the Hot Top indicator, and the error code display. An electronic temperature sensor may be connected for precise temperature control.



**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



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



	C-MAG HP 4	C-MAG HP 7	C-MAG HP 10
Technical data			
Temperature display	digital	digital	digital
Heat output	250 W	1000 W	1500 W
Heating rate	2.5 K/min	5 K/min	5 K/min
Temperature range	50 – 500 °C	50 – 500 °C	50 – 500 °C
Setting accuracy	± 5 K	± 5 K	± 5 K
Safety circuit fixed	550 °C	550 °C	550 °C
Control accuracy with sensor	–	ETS-D5 / ± 0.5 K	ETS-D5 / ± 0.5 K
Heating plate material	glass ceramic	glass ceramic	glass ceramic
Weight	3 kg	5 kg	6 kg
Dimensions (W x D x H)	150 x 260 x 105 mm	220 x 330 x 105 mm	300 x 415 x 105 mm
Price	\$ 351	\$ 484	\$ 647
	Ident. No. 3581601	Ident. No. 3581801	Ident. No. 3582001

Heating baths



IKA® heating baths are developed with a strong focus on safety. All baths are equipped with a double jacket to protect against burns and a safety temperature monitor keeps the bath from over heating. After turning on the unit every time, the safety functions are automatically checked.

New HB10
With locking function

HB 10

Digital Display

LCD digital display for precise temperature setting



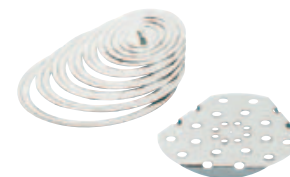
Key-button with locking function for the heating bath temperature



Integrated ergonomic carrying handles



	HB 10	HBR 4 digital
Technical data		
Heat output	1300 W	1000 W
Temperature range	RT – 180 °C	RT – 200 °C
Setting tolerance	± 1 K	± 1 K
Deviation (3 l H ₂ O, 90 °C)	± 1 K	± 1 K
Temperature display	digital	digital
Volume	3 L	5 L
Safety class acc. to DIN 12877	2	2
Adjustable safety circuit min / max	50 °C / 190 °C	–
Material	stainless steel 1.4301	stainless steel (AISI 304)
Weight	3 kg	4.4 kg
Dimensions (W x D x H)	290 x 190 x 265 mm	–
Price	\$ 1,394	\$ 2,699
	Ident. No. 4068001	Ident. No. 2602301



HBR 4 digital accessories		
	Ident. No.	Price
H 240	2858700	\$ 656
Ring set		
H 159	1809700	\$ 311
Intermediate bottom		

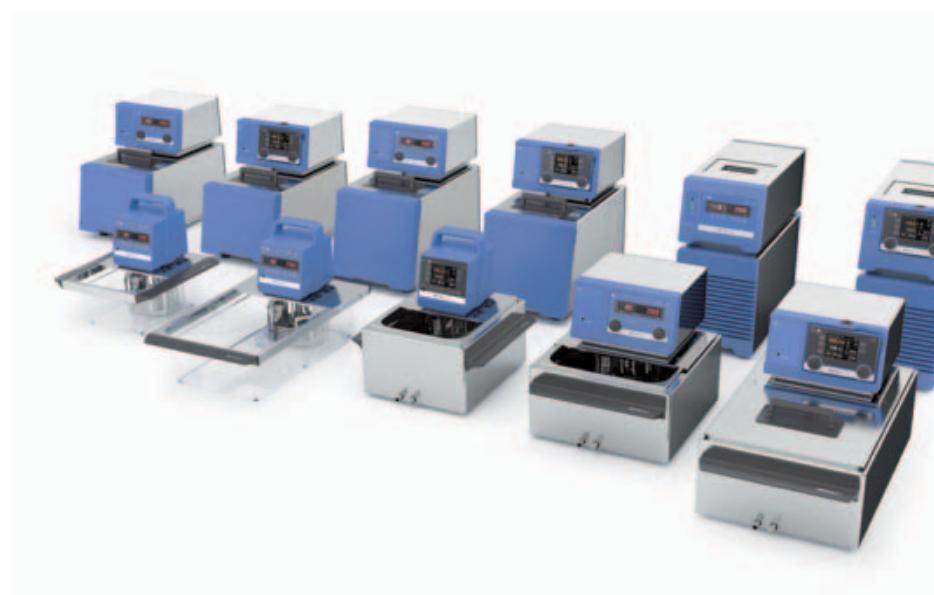
Temperature control



Watch the video:
www.ika.com/video



IKA® temperature control systems ensure the safe and precise temperature control of liquids. The immersion circulators temper liquids up to 100° C. Able to withstand a powerful heat output of 1500 W, IKA® circulators are safe to use with all standard bath vessels. The products control the temperature from 28 to 300° C and are fully geared towards safety and comfort. Intelligent features of the immersion and heating bath circulators include: plug & play technology, digital display, easy control, set point limiting, and a visual/acoustic alarm.



Powerful immersion circulator heads

- > Temperature range: RT – 250 °C
- > Powerful pressure / suction pump
- > Adjustable safety circuit



IC control



Integrated pressure / suction pump allows flexibility for internal and external applications



Flexible bath bridge enables easy mounting on different water bath sizes



Large easy-to-read TFT display



Removable wireless controller (WiCo) for easy and safe operation up to 10 m

Removable wireless controller (WiCo) for convenient and user-friendly operation!



Temperature control



Technical data

Appliance type
Heater capacity (230 / 115 V)

Temperature range

Temperature display

Temperature stability DIN 12876

Bath volume range

Max. flow rate (at 0 bar)

Max. pump pressure

Min. suction pressure

Dimensions (W x D x H)

USB interface

Price

ICC basic | control

compact immersion circulator

2000 / 1000 W

RT +10°C – 150 °C |
RT +10°C – 150 °C
(20 °C with cooling coil*)

LED | TFT

± 0.02 K | ± 0.01 K

depends on used bath

18 l/min

0.3 bar

0.2 bar

147 x 158 x 340 mm

yes

\$ 939 | \$ 1,099

Ident. No. 0020002272

Ident. No. 0020002273

IC basic | control

immersion circulator

2500 / 1250 W

RT +10°C – 200 °C |
RT +10°C – 250 °C
(20 °C with cooling coil*)

LED | TFT

± 0.02 K | ± 0.01 K

depends on used bath

26 l/min | 31 l/min

0.45 bar | 0.61 bar

0.35 bar | 0.45 bar

245 x 260 x 300 mm

yes

\$ 1,499 | \$ 1,899

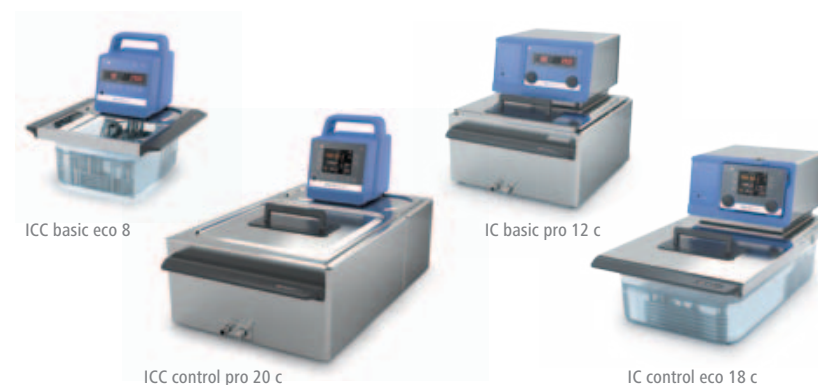
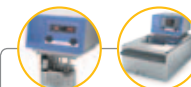
Ident. No. 3861001

Ident. No. 3863001**

* Lower working temperatures possible with connection to a chiller

** PT 100.30 and CC 1 Cooling Coil included in delivery

Temperature control | Packages



Description	Package name	Ident. No.	Price
Open heating bath circulator	ICC basic eco 8*	0010000853	\$ 1,547
	ICC basic pro 9	0010000851	\$ 1,717
	ICC basic eco 18*	0010000475	\$ 1,693
	ICC basic pro 12	0010000473	\$ 1,778
	ICC basic pro 20	0010000477	\$ 1,899
Open heating bath circulator	ICC control eco 8*	0010000849	\$ 1,707
	ICC control pro 9	0010000847	\$ 1,877
	ICC control eco 18*	0010000481	\$ 1,853
	ICC control pro 12	0010000479	\$ 1,938
	ICC control pro 20	0010000483	\$ 2,059
Open heating bath circulator with cover**	ICC basic eco 8 c*	0010000854	\$ 1,947
	ICC basic pro 9 c	0010000852	\$ 2,117
	ICC basic eco 18 c*	0010000476	\$ 2,225
	ICC basic pro 12 c	0010000474	\$ 2,310
	ICC basic pro 20 c	0010000478	\$ 2,431
Open heating bath circulator with cover**	ICC control eco 8 c*	0010000850	\$ 2,107
	ICC control pro 9 c	0010000848	\$ 2,277
	ICC control eco 18 c*	0010000482	\$ 2,301
	ICC control pro 12 c	0010000480	\$ 2,470
	ICC control pro 20 c	0010000484	\$ 2,507
Open heating bath circulator with cover	IC basic eco 18 c*	0010000468	\$ 2,602
	IC basic pro 12 c	0010000467	\$ 2,647
	IC basic pro 20 c	0010000469	\$ 2,808
Open heating bath circulator with cover	IC control eco 18 c*	0010000471	\$ 2,823
	IC control pro 12 c	0010000470	\$ 2,868
	IC control pro 20 c	0010000472	\$ 3,029

* Maximum Temperature 100 °C

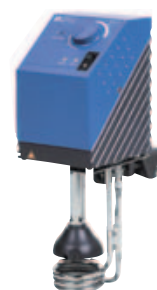
Package details
on page 162

Temperature control



Technical data	HBC 5 basic control	HBC 10 basic control	RC 2 basic control
Appliance type	Heating bath circulator	Heating bath circulator	Recirculating chiller
Safety class	III (FL)	III (FL)	—
Cooling capacity at 20°C	—	—	400 W
Heater capacity (230 / 115 V)	2500 / 1250 W	2500 / 1250 W	—
Temperature range	RT +10°C – 200 °C RT +10°C – 250 °C (with integrated cooling coil*)	RT +10°C – 200 °C RT +10°C – 250 °C (with integrated cooling coil*)	-20 – 40 °C
Temperature display	LED TFT	LED TFT	LED TFT
Temperature stability DIN 12876	± 0.02 K ± 0.01 K	± 0.02 K ± 0.01 K	± 0.5 K
Bath volume range	5 – 7 l	8 – 11 l	1.4 – 4 l
Max. flow rate (at 0 bar)	26 l/min 31 l/min	26 l/min 31 l/min	18 l/min
Max. pump pressure	0.45 bar 0.61 bar	0.45 bar 0.61 bar	0.3 bar
Min. suction pressure	0.35 bar 0.45 bar	0.35 bar 0.45 bar	0.2 bar
Dimensions (W x D x H)	275 x 500 x 405 mm	275 x 510 x 455 mm	220 x 526 x 480 mm
Permissible ambient temperature	5 – 40 °C	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80%	80%	80%
Protection class acc. to DIN EN 60529	IP 21	IP 21	IP 21
USB / RS 232 interface	yes	yes	yes
Price	\$ 1,990 \$ 2,499	\$ 2,099 \$ 2,599	\$ 2,299 \$ 2,579
	Ident. No. 4125001 Ident. No. 4127001	Ident. No. 4135001 Ident. No. 4137001	Ident. No. 4171001 Ident. No. 4173001

* Lower working temperatures possible with connection to a chiller



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

Price:
\$ 1,219 | \$ 342 | \$ 573 | \$ 647

EH 4 basic
Ident. No. 3164001
EH 4.1 Bath vessel 5 l
Ident. No. 3335000
EH 4.2 Bath vessel 11 l
Ident. No. 3335100
EH 4.3 Bath vessel 18 l
Ident. No. 3335200

HBC 5 control



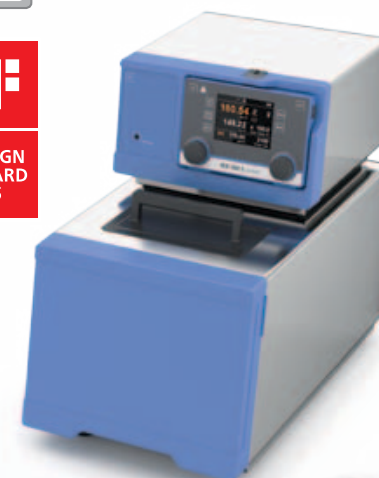
Integrated pressure / suction pump allows flexibility for internal and external applications



Precise temperature stability ± 0.01 K



Removable wireless controller (WiCo) for easy and safe operation up to 10 m



Integrated handles for easy carrying



Optical and acoustic warning function e.g. for over heating



Temperature Control | Accessories



Accessories EH 4 Immersion circulator

	Ident. No.	Price
EH 4 basic	3164001	\$ 1,219
Immersion circulator		
EH 4.1	3335000	\$ 342
Bath vessel, 5 l		
EH 4.2	3335100	\$ 573
Bath vessel, 11 l		
EH 4.3	3335200	\$ 647
Bath vessel, 18 l		

Bath vessel

	Ident. No.	Price
1 IKA® IB eco 8*	4248100	\$ 423
Bath vessel, plastic, 8 l, size S		
2 IKA® IB eco 18*	4248200	\$ 593
Bath vessel, plastic, 18 l, size L		
3 IKA® IB pro 9	4248500	\$ 593
Bath vessel, stainless steel, 9 l, size S		
IKA® IB pro 12	4577500	\$ 678
Bath vessel, stainless steel, 12 l, size M		
4 IKA® IB pro 20	4248600	\$ 799
Bath vessel, stainless steel, 20 l, size L		

* Maximum temperature 100 °C

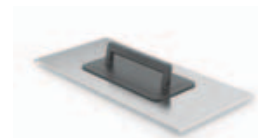
Accessories IC

	Ident. No.	Price
5 CM.IC	4577600	\$ 130
Cover, medium for IC, 12 l bath vessels		
6 CL.IC	4471800	\$ 170
Cover, big for IC, 18/20 l bath vessels		
7 BS.IC	4472800	\$ 161
Bridge, small for IC, 12/18/20 l bath vessels		
CC1	0020005116	\$ 99
Cooling coil for IC basic + control		

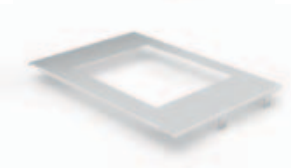
Accessories ICC

	Ident. No.	Price
8 CS.ICC	4471500	\$ 122
Cover, small for ICC, 8/9 l bath vessels		
9 CM.ICC	0025000290	\$ 130
Cover, medium for ICC, 12 l bath vessels		
10 CL.ICC	4471600	\$ 170
Cover, big for ICC, 18/20 l bath vessels		
11 BS.ICC	0020003077	\$ 161
Bridge, small for ICC, 8/9 l bath vessels		
12 BL.ICC	0020003078	\$ 161
Bridge, big for ICC, 18/20 l bath vessels		
13 CC2	0025001061	\$ 99
Cooling coil for ICC		
14 PCS.ICC	4471900	\$ 99
Pump connection set for ICC		

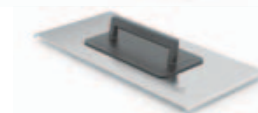
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11



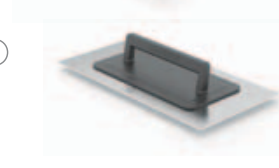
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6



8



10



12



14



Thermofluids

	Ident. No.	Price
HF.Si.20.250.50A	0020003521	on request
Heating fluid Si250A; 10 kg		
HF.Si.20.200.50	0020003520	on request
Heating Fluid Si200; 10 kg		
UF.Si.N30.150.10LV	0020003518	on request
Universal fluid Si150 LV; 9 kg		
CF.EG39.N30.80.22	0020003522	on request
Cooling fluid EG30; 10.6 kg		
CF.EG100	0020004883	on request
Cooling fluid EG 100%; 10.6 kg		

Temperature Control | Accessories



Hoses

	Ident. No.	Price
15 LT 5.20	2606700	\$ 850
Hose, insulated, stainless steel, Ø 10 mm, 150 mm, 2 pcs.		
LT 5.21	0020000988	\$ 699
Hose, insulated, PTFE, Ø 13 mm, 150 mm, 2 pcs.		
16 H.PVC.8	4568800	\$ 3
Hose, PVC, Ø 8 mm, 150 mm, 2 pcs.		
H.PVC.12	4568900	\$ 3
Hose, PVC, Ø 12 mm, 150 mm, 2 pcs.		
17 H.SI.8	4569000	\$ 9
Hose, silicone, Ø 8 mm, 150 mm, 2 pcs.		
H.SI.12	4569100	\$ 16
Hose, silicone, Ø 12 mm, 150 mm, 2 pcs.		
18 H.PUR.8.R	0020004612	on request
Hose, PUR, Ø 8 mm, 150 mm, 2 pcs.		
H.PUR.12	0020004613	on request
Hose, PUR, Ø 12 mm, 150 mm, 2 pcs.		
19 H.FKM.8	4569200	\$ 110
Hose, FKM, Ø 8 mm, 150 mm, 2 pcs.		
H.FKM.12	4569300	\$ 134
Hose, FKM, Ø 12 mm, 150 mm, 2 pcs.		

Insulation for hoses

	Ident. No.	Price
20 ISO.8	4569400	\$ 8
Insulation, Ø 8 mm		
21 ISO.12	4569500	\$ 12
Insulation, Ø 12 mm		

Tube Racks

	Ident. No.	Price
TubeRack.S. Type1.V4A.fit	0020004026	on request
Stainless steel rack for bath size S, 57 x ø13 mm		
TubeRack.S. Type2.V4A..fit	0020004027	on request
Stainless steel rack for bath size S, 37 x ø17 mm		
TubeRack.S. Type3.V4A.fit	0020004028	on request
Stainless steel rack for bath size S, 22 x ø22 mm		
TubeRack.L. Type1.V4A.fit	0020004029	on request
Stainless steel rack for bath size L, 73 x ø13 mm		
TubeRack.L. Type2.V4A.fit	0020004030	on request
Stainless steel rack for bath size L, 47 x ø17 mm		
TubeRack.L. Type3.V4A.fit	0020004031	on request
Stainless steel rack for bath size L, 30 x ø22 mm		



Floating racks

	Ident. No.	Price
Floating tube rack Type 1	0020003667	on request
Floating tube rack for 24 x 1.5/2.0 ml tubes, 5 psc.		
Floating tube rack Type 2	0020003668	on request
Floating tube rack for 8 x 15 ml tubes, 5 psc.		
Floating tube rack Type 3	0020003669	on request
Floating tube rack for 4 x 50 ml tubes, 5 psc.		

Magnetic valves

	Ident. No.	Price
MV 1	0020003763	\$ 423
Magnetic valve for cooling water control Max 100°C		
CO V 1	0020000249	\$ 729
Closed pressure valve for external pump connection Set. Max. 180°C		

22 Ball valve M16x1	0020004620	on request
Ball valve, complete open (M 16 x 1)		
Mechanic fluid level controller	0020004618	on request
Mechanic fluid level controller		

Adapters

	Ident. No.	Price
23 Elbow tube 90°	0025001212	on request
Elbow tube 90°		
24 Olive for DN 6 hoses	0020004667	on request
Olive for DN 6 hoses 2 pcs.		
25 Olive for DN 8 hoses	0020004566	on request
Olive for DN 8 hoses 2 pcs.		
Olive for DN 12 hoses	0020004889	on request
Olive for DN 12 hoses 2 pcs.		
Olive for DN 10 hoses	0020004568	on request
Olive for DN 10 hoses 2 pcs.		
Adapter NTP 1/4	0020004569	on request
Adapter M16 to NPT 1/4 2 pcs.		
Adapter NTP 1/2	0020004570	on request
Adapter M16 to NPT 1/2 2 pcs.		
Adapter NTP 3/4	0020004571	on request
Adapter M16 to NPT 3/4 2 pcs.		
Lock nut (2 pcs.)	0020004583	on request
Lock nut 2 pcs		
26 Stopper (2 pcs.)	0020004584	on request
Stopper 2 pcs.		

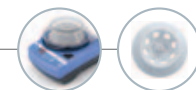
Additional Accessories

	Ident. No.	Price
WH10	0020000984	\$ 30
WiCo holder		
27 PT 100.30	0004284700	on request
Temp. sensor, stn. steel		
Hollow balls, PP	0020003666	on request
Hollow balls, PP, 500 pieces		

Centrifuge



IKA® micro centrifuge is ideal for applications which do not require ultra high speeds e.g., micro-filtrations and cell separations. The centrifuge features a compact design and a small footprint. A transparent lid allows for constant observation of the centrifuge which can be used with both microcentrifuge and PCR strip tubes. As a safety feature, the mini G will only operate when the lid is closed.



mini G



Integrated quick stop



Adjustable digital timer



Rotor exchangeable without tools



Quiet operation



Special safety features



Touch keypad for easy operation



Technical data

Capacity	8 x 2.0 ml
Permitted density	1.2 kg / dm ³
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

Price

mini G

\$ 328

Ident. No. 3958000



Accessories included in the delivery

Ident. No.

1	Rotor 8 x 1.5 / 2 ml	3918500
2	Rotor 4 x strip 8 x 0.2 ml	4531300
3	Adapter set 0.5 ml x 8	4470900
4	Adapter set 0.4 ml x 8	4470901
5	Adapter set 0.2 ml x 8	4470902

Rotary Evaporators



Watch the video:
www.ika.com/video



IKA® rotary evaporators set new standards for safety, efficiency and ease of use. These products offer excellent distilling solutions. All IKA® RV 10 evaporators are equipped with an automated lift including a safety stop function. More safety features are: interval operation, smooth start, end position recognition, automated lift-out in case of power outage as well as a timer function.



Efficient & safe distillation!

- > Automated management of cooling water
- > Automated venting after process end
- > Automated management of Heating bath controls

RV 10 control

240
58.4 °C

Two digital displays for an optimal overview



Can be moved by 140 mm to accommodate different flasks



Adjustable immersion angle and height

IKA®
Patent

Volume controlled distillation!





Rotary Evaporators

Best-in-class
cooling surface
1500 cm²

V: Rotary evaporator with set of vertical glassware
V-C: Rotary evaporator with set of vertical coated glassware
FLEX: Rotary evaporator without any glassware (condenser, evaporation and receiving flask); either use pre-existing IKA® glassware or order separately
Dry Ice: Rotary evaporator with dry ice condensor glassware set

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	120 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	110 – 120 V / 50/60 Hz

Price

\$ 3,052 | \$ 3,465 | \$ 3,680 | \$ 2,441

RV 8 V Ident. No. 8033901
 RV 8 V-C Ident. No. 8034301
 RV 8 Dry Ice Ident. No. 0010000403
 RV 8 FLEX Ident. No. 8033501

Package details
on page 164

The new RV 8 offers an effortless manual lifting mechanism. The ambidextrous design makes working more convenient and comfortable.



Compatible with the complete range of IKA® glassware



Adjustable immersion angle and height



Can be moved by 120 mm to accommodate different flasks



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

RV 8 V



Rotary Evaporators

V: Rotary evaporator with set of vertical glassware

V-C: Rotary evaporator with set of vertical coated glassware

FLEX: Rotary evaporator without any glassware (condenser, evaporation and receiving flask); either use pre-existing IKA® glassware or order separately

Dry Ice: Rotary evaporator with dry ice condensor glassware set



Automatic
boiling point
detection



Drive	
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

General data	
Dimensions (W x D x H)	530 x 410 x 430 mm
Weight of the drive incl. heating bath without glass parts	20 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80%
Protection class according to DIN EN 60529	IP 20
Voltage / Frequency	110 – 120 V / 50/60 Hz

Price
\$ 3,380 | \$ 3,759 | \$ 3,759

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

RV 10 digital	
530 x 410 x 430 mm	530 x 410 x 430 mm
20 kg	20 kg
5 to 40 °C	5 to 40 °C
80%	80%
IP 20	IP 20
110 – 120 V / 50/60 Hz	110 – 120 V / 50/60 Hz

\$ 4,651 | \$ 5,049
\$ 5,049 | \$ 3,520

RV 10 digital V Ident. No. 8024101
RV 10 digital V-C Ident. No. 8024701
RV 10 digital Dry Ice Ident. No. 8031101
RV 10 digital FLEX Ident. No. 8023601

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

RV 10 control	
530 x 410 x 430 mm	530 x 410 x 430 mm
21.5 kg	21.5 kg
5 to 40 °C	5 to 40 °C
80%	80%
IP 20	IP 20
110 – 120 V / 50/60 Hz	110 – 120 V / 50/60 Hz

\$ 6,116 | \$ 6,515 | \$ 6,515 | \$ 4,986
\$ 10,742 | \$ 11,073 | \$ 10,411

RV 10 control V Ident. No. 8024301*
RV 10 control V-C Ident. No. 8024901*
RV 10 control Dry Ice Ident. No. 8031201*
RV 10 control FLEX Ident. No. 8031801*
RV 10 control V auto Ident. No. 8038401
RV 10 control V-C auto Ident. No. 8038601
RV 10 control FLEX auto Ident. No. 8038801

RV 10 control auto

The enhanced RV 10 control is now equipped with our fully automated speed control pump N 920. Additionally, the RV 10 control auto detects the required level of vacuum pressure by detecting the boiling point of the solvent. This feature has some significant benefits over a valve-regulated system.

Advantages:

- > Increased solvent recovery performance up to 100%
- > Automatic boiling point detection
- > Speed controlled vacuum pump for precise vacuum level
- > Reduced noise level and decreased wear of pump components
- > Reduced process time and increased overall performance

* RV 10.4002 Magnetic valve now included with delivery of every RV 10 control V, V-C, Dry Ice and FLEX package

RV 10 basic V Ident. No. 8023901
RV 10 basic V-C Ident. No. 8024501
RV 10 basic Dry Ice Ident. No. 8031001

Rotary Evaporators | Accessories



RV 10 / RV 8 accessories Glassware

	Ident. No.	Price
RV 10.900	3842500	\$ 1,171

Set of glassware, vertical

RV 10.910	3842600	\$ 1,211
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Set of glassware, vertical, coated



RV 10.1000	3842700	\$ 1,012
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Set of glassware, diagonal

RV 10.1010	3842800	\$ 1,765
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Set of glassware, diagonal, coated



Condensers

RV 10.3	3741000	\$ 1,600
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Vertical-intensive condenser, manifold

RV 10.30	3741100	\$ 2,298
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Vertical-intensive condenser, manifold, coated



RV 10.4	3742000	\$ 1,687
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Dry ice condenser

RV 10.40	3742100	\$ 1,862
----------	---------	----------

Dry ice condenser, coated



RV 10.5	3743000	\$ 1,806
---------	---------	----------

Vertical-condenser, reflux

RV 10.50	3743100	\$ 2,043
----------	---------	----------

Vertical-condenser, reflux, coated



RV 10.6	3744000	\$ 2,077
---------	---------	----------

Vertical-intensive condenser, reflux

RV 10.60	3744100	\$ 2,281
----------	---------	----------

Vertical-intensive condenser, reflux, coated



Evaporation cylinders

RV 10.2023	3848200	\$ 655
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Evaporation cylinder, NS 24/40, 500 ml

RV 10.2022	3848300	\$ 870
------------	---------	--------

Evaporation cylinder, NS 24/40, 1500 ml



Bump trap

RV 10.2025	3848700	\$ 147
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Foam brake, NS 24/40



Distilling spider with distilling sleeves

RV 10.2029	3849300	\$ 610
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Distilling spider, NS 24/40, 6 sleeves

RV 10.2030	3849400	\$ 1,055
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Distilling spider, NS 24/40, 12 sleeves

RV 10.2031	3849500	\$ 1,478
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Distilling spider, NS 24/40, 20 sleeves

RV 10.610	3919400	\$ 21
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Distilling sleeve, 20 ml

IKA®+

All evaporation flasks are available as a special temperature coated version (for usage at max. 180°C in a heating bath)



Distilling spider with 5 flasks

RV 10.2034	3849800	\$ 803
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Distilling spider with 5 flasks, 50 ml

RV 10.2035	3849900	\$ 876
------------	---------	--------

Distilling spider with 5 flasks, 100 ml



Evaporation flasks

RV 10.2007	3845300	\$ 43
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Evaporation flask, NS 24/40, 50 ml

RV 10.2008	3845400	\$ 50
------------	---------	-------

Evaporation flask, NS 24/40, 100 ml

RV 10.2009	3845500	\$ 74
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Evaporation flask, NS 24/40, 250 ml

RV 10.2010	3845600	\$ 77
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Evaporation flask, NS 24/40, 500 ml

RV 10.2011	3845700	\$ 80
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Evaporation flask, NS 24/40, 1000 ml

RV 10.840	4221400	\$ 161
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Evaporation flask, NS 24/40, 1000 ml coated

RV 10.2012	3845800	\$ 120
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Evaporation flask, NS 24/40, 2000 ml

Rotary Evaporators | Accessories



Receiving flasks

RV 10.100	3742200	\$ 71
Receiving flask, KS 35/20, 100 ml		
RV 10.101	3742300	\$ 74
Receiving flask, KS 35/20, 250 ml		
RV 10.102	3742400	\$ 75
Receiving flask, KS 35/20, 500 ml		
RV 10.103	3742500	\$ 78
Receiving flask, KS 35/20, 1000 ml		
RV 10.104	3742600	\$ 127
Receiving flask, KS 35/20, 2000 ml		
RV 10.105	3742700	\$ 240
Receiving flask, KS 35/20, 3000 ml		
RV 10.200	3743200	\$ 150
Receiving flask, coated, KS 35/20, 100 ml		
RV 10.201	3743300	\$ 166
Receiving flask, coated, KS 35/20, 250 ml		
RV 10.202	3743400	\$ 191
Receiving flask, coated, KS 35/20, 500 ml		
RV 10.203	3743500	\$ 206
Receiving flask, coated, KS 35/20, 1000 ml		



Powder flasks

RV 10.2017	3847200	\$ 173
Powder flask, NS 24/40, 500 ml		
RV 10.2018	3847300	\$ 187
Powder flask, NS 24/40, 1000 ml		
RV 10.2019	3847400	\$ 228
Powder flask, NS 24/40, 2000 ml		



Vapor tubes, seals and other accessories

RV 10.73	3829400	\$ 154
Vapor tube, NS 24/40		
RV 10.75	3972300	\$ 133
Vapor tube, short, NS 24/40		
RV 10.8001	3907000	\$ 207
Seal, PTFE, stainless steel		



RV 10.3000	3859000	\$ 183
Extension plate for use with RV 10.500 foam break and 3 l evaporation flask		



HB 10 heating bath accessories

	Ident. No.	Price
HB 10.1	3641800	\$ 268
Shield for heating bath HB 10		



HB 10.2	3641000	\$ 1,064
Protection cover for heating bath HB 10		



Vacuum pumps

	Ident. No.	Price
MVP 10 basic	3980001	\$ 1,250
For dry, oil-free applications in the low vacuum range		
VCV 1	0020004850	\$ 800
Vacuum control valve manual		
VCV 2	0020004893	\$ 715
Vacuum control valve digital		
VSS 1	0020005194	\$ 485
Vacuum safety set		



N 920 KT.29.18	3919100	\$ 3,706
Membrane vacuum pump		



SC 920 D400	4583600	\$ 8,419
Vacuum pump		



LVS 105T-10 ef	4067800	\$ 2,894
Vacuum pump		



RV 10 control accessories Vacuum pump valves

	Ident. No.	Price
RV 10.4001	3902600	\$ 632
Magnetic valve in-house vacuum		
RV 10.4002	3880300	\$ 727
Magnetic valve laboratory vacuum		
RV 10.4003	3900200	\$ 1,726
Pump control including magnetic valve		



Water valves

	Ident. No.	Price
RV 10.5001	3902700	\$ 709
Choke water valve		
RV 10.5002	3903800	\$ 133
Filter		
RV 10.5003	3907100	\$ 534
Pressure regulating valve		



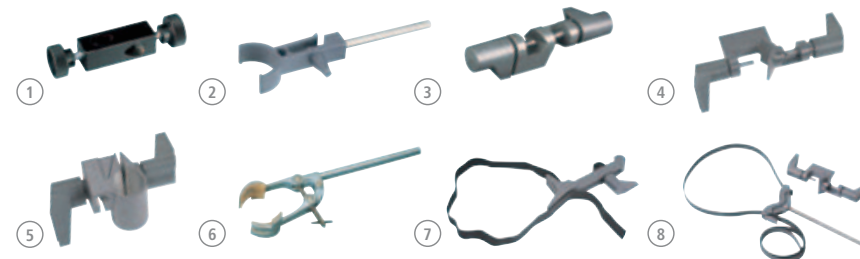
RV 8 accessories

	Ident. No.	Price
RV 8.1	4438500	on request
Support Pole		
RV 8.2	0025001342	on request
Mechanical end stop for RV 8		

Mechanical / Electronic Accessories



14



Mechanical accessories Fixing clamps

	Ident. No.	Price					
1	H 44	2437700	\$ 23	5	R 271	2664000	\$ 50
Boss head clamp, clamping range Ø 10 – 11 mm			Boss head clamp, clamping range Ø 34 mm				
2	R 200	3372000	\$ 76	6	R 350	1752900	\$ 151
Clamp for T 10 basic and R 104			Universal clamp				
3	R 182	2657700	\$ 28	7	RH 3	3008600	\$ 50
Boss head clamp, clamping range Ø 6 – 16 mm			Strap clamp for stand Ø 8 – 16 mm				
4	R 270	2657800	\$ 34	8	RH 5	3159000	\$ 133
Boss head clamp, clamping range Ø 25 – 36 mm			Strap clamp for stand Ø 8 – 16 mm				



Electronic accessories

	Ident. No.	Price	10	DTM 12.10	3127800	\$ 624
9	ALMEMO 2490	4709300	\$ 6,694	Data cable, L2.5 m, 9 pins (F)		
The ALMEMO 2490 is a universal measuring device with 2 measuring channels. Especially adopted for the requirements of either simple temperature measuring purposes or as an accessory for our lab reactors to measure and display temperature and/or pH.						
ALMEMO accessories						
	Ident. No.	Price	11	PT 100.23	3122100	\$ 796
			Temperature sensor, stainless steel, Ø 3 mm, 250 mm length			
			12	PT 100.24	3122200	\$ 546
			Temperature sensor, stainless steel, glass-coated, Ø 8 mm, 250 mm length			
			13	PT 100.25	3122300	\$ 1,762
			Temperature sensor, stainless steel, Ø 6 mm, 255 mm length			
	ALMEMO USB-cable	4709400	\$ 569			

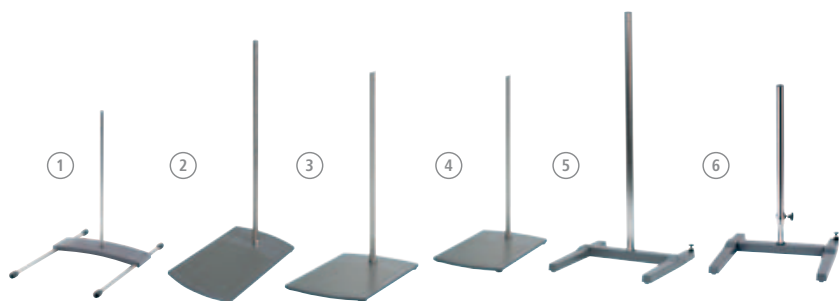
ALMEMO accessories

	Ident. No.	Price
ALMEMO USB-cable	4709400	\$ 569
USB-cable		
PC 1.2	2616800	\$ 205
Adapter, 25 pins		
PH 225.1	3122600	\$ 2,485
Electrode temperature sensor		

Lifts

	Ident. No.	Price
LABLIFT m	4022400	\$ 299
Manual scissors lift, set-up plate dimensions 170 x 230 mm, stroke 70 – 300 mm, max. dynamic load 7 kg		

Mechanical Accessories



Stands

		Diameter of support rod	Dimensions (W x D)	Height
①	R 104 Stand Stand for T 10 basic, H370 mm	10 mm	242 x 355 mm	370 mm
②	R 1825 Plate stand Plate stand, H560 mm	16 mm	200 x 316 mm	560 mm
③	R 1826 Plate stand Plate stand, H800 mm	16 mm	200 x 316 mm	800 mm
④	R 1827 Plate stand Plate stand, H1000 mm	16 mm	200 x 316 mm	1000 mm
⑤	R 2722 H-Stand H-Stand, 1010 mm	34 mm	460 x 420 mm	1010 mm
⑥	R 2723 Telescopic stand Telescopic stand, H620 – 1010 mm	34 mm	460 x 420 mm	620 – 1010 mm
⑦	T 653 Telescopic stand Telescopic stand, H1200 mm	48 mm	460 x 530 mm	1200 mm
⑧	R 474 Telescopic stand Telescopic stand, H1200 mm	48 mm	460 x 530 mm	1200 mm
⑨	R 472 Floor stand Floor stand, H2020 mm	—	80 x 80 mm	2020 mm
⑩	R 4765 Floor stand Floor stand, H1014 – 1588 mm	—	764 x 870 mm	1500 mm
⑪	R 2850 Floor stand Floor stand, H1900 mm	16 mm	980 x 875 mm	1921 mm

Max. load	Stroke	Ident. No.	Price
0.7 kg	—	3386000	\$ 110
5 kg	—	3160000	\$ 144
5 kg	—	3160100	\$ 163
5 kg	—	3160200	\$ 170
10 kg	—	1412000	\$ 333
10 kg	390 mm	1412100	\$ 401
—	500 – 1000 mm	1608000	\$ 1,713
—	500 – 1000 mm	1643000	\$ 3,426
—	980 – 1860 mm	0738700	\$ 6,109
40 kg	465 mm	0030000149	on request
8.5 kg	1800 mm	0020002900	on request

Laboratory Reactors



IKA® lab reactors are the most unique systems when it comes to optimizing and reproducing chemical reaction, mixing, dispersing, and homogenization processes on a lab scale. The lab reactors can be individually customized to perform numerous tasks, including: production of cremes and lotions, the grinding and disintegrating of solids and fibers in liquids or polymers, etc. Single-walled or double-walled vessels made from borosilicate glass or stainless steel are available, each with or without bottom discharge valve.



The modular, expandable laboratory reactor!

- > Wide range of applications
- > Manual adjustable safety circuit

LR 1000
basic



Digital display for monitoring of speed and temperature



C/T selector button for choosing between the counter or the timer function



Adjustable safety circuit



Connectors in the back to attach a chiller or other cooling source



Laboratory Reactors



LR 1000 basic | LR 1000 control

Technical data

Usable volume	400 – 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 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 basic Package*

	Ident. No.
H 11 Main cable Euro plug	1091500
LR 1000 basic base	3600099
LR 1000.1 Reactor vessel	3602000
LR 1000.61 Sensor receptacle	4664400
PT 100.5 Temperature sensor	2506800
LR 1000 basic Package	8040101
Price	\$ 5,699

LR 1000 control Package*

	Ident. No.
H 11 Main cable Euro plug	1091500
LR 1000 control base	3600099
LR 1000.3 Reactor vessel	0025001955
LR 1000.61 Sensor receptacle	4664400
PT 100.5 Temperature sensor	2506800
USB cable USB A-Micro B 2.0	4335000
LR 1000 control Package	0010001052
Price	\$ 6,844

* PT 100.5 included in the delivery for measuring the external temperature



pH
electrode

Possibility to connect
pH electrode

LR 1000
control

Integrated
weighing function

Integrated
weighing function

TFT
Display

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

Torque trend measurement

indicates changes in viscosity
of the product

USB interface

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

Patented
Integrated
weighing function

reddot design award
winner 2013

German
Design Award
SPECIAL
MENTION

Laboratory Reactors | Packages

Modular design laboratory reactor for optimization and simulation of various chemical reactions as well as for mixing and homogenizing processes in a laboratory scale.

- > Suitable for vacuum operation
- > Seals in contact with the product are made of solvent- resp
- > Temperature-resistant perfluoroelastomer (FFPM)
- > Infinitely adjustable speed

Technical data

Min. volume (anchor stirrer)	500 ml
Min. volume (T 25 digital)	800 ml
Max. volume	2000 ml
Max. working temperature	230 °C
Attainable vacuum	25 mbar
Max. viscosity (EUROSTAR 200 control P4)	150,000 mPas
Speed range (EUROSTAR 200 control P4)	0/4 – 530 rpm
Max. torque at stirring shaft (EUROSTAR 200 control P4)	660 Ncm
Height of telescopic stand	620 – 1010 mm
Dimensions (W x D x H)	460 x 430 x 1.240 mm
Metals in contact with medium	stainless steel (AISI 316L) FFPM borosilicate glass 3.3



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
- > Temperature sensor H 68.55

Price: \$ 14,132

Ident. No. 0010000505

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

Price: \$ 16,132

Ident. No. 0010000506

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

Price: \$ 16,845

Ident. No. 0010000507

* HBR 4 Heating bath not included in the package

Laboratory Reactors | Accessories

LR 1000 accessories



① **LR 1000.1** 3602000 **\$ 3,807**
Reactor vessel, 1000 ml, FFKM Sealings, 4 connectors

② **LR 1000.3** 0025001955 **on request**
Reactor vessel, 1000 ml, FFKM Sealings, 6 connectors

LR 1000.10 4663100 **\$ 696**
Anchor stirrer with PEEK scrapers

LR 1000.11 4663000 **\$ 284**
Anchor stirrer, stainless steel

LR 1000.20 4663200 **\$ 376**
Flow breaker / baffle, stainless steel



LR 1000.41 4664300 **\$ 526**
Shaft receptacle to install the dispersing elements
S 25 KV



LR 1000.61 4664400 **\$ 509**
Sensor receptacle to install the temperature sensors
PT 100.25 and PT 100.5

LR 1000.64 4663300 **\$ 368**
pH electrode

LR 1000.65 4663400 **\$ 1,080**
pH electrode receptacle

LR-2.ST accessories

③ **LR 2000.10** 2508400 **\$ 1,611**
Anchor stirrer with PTFE scraper

④ **LR 2000.11** 2509500 **\$ 2,230**
Anchor stirrer, stainless steel

⑤ **LR 2000.20** 2508500 **\$ 1,260**
Flow breaker / baffle, stainless steel

⑥ **LR 2.1** 3070000 **\$ 1,682**
Reactor vessel, single-walled, 2000 ml

⑦ **LR 2000.1** 2508300 **\$ 2,476**
Reactor vessel, double-walled, 2000 ml

LR 2000.2 2509600 **\$ 3,317**
Reactor vessel, double-walled, 2000 ml
with bottom drain

⑧ **LR 2000.40** 2509200 **\$ 1,117**
Shaft receptacle to install the dispersing elements
S 25 KV

⑨ **LR 2000.60** 2509300 **\$ 906**
Sensor receptacle to install the temperature sensors
PT 100.25 and PT 100.5

LR 2000.65 3172600 **\$ 1,097**
pH measuring sensor receptacle

PH 225.1* 3122600 **\$ 2,485**
pH electrode with temperature sensor

DTM 12.15* 3128300 **\$ 483**
Adapter cable for pH electrode LR-2.ST

LR-2.SP 3326400 **\$ 1,288**
Splinter shield

③



④



⑤



⑥



⑦



⑧



⑨



⑩



⑬



⑪



⑭



LR-2.ST accessories

LT 5.20 2606700 **\$ 850**
Hose, insulated, stainless steel, Ø 10 mm,
150 mm, 2 pcs.

LT 5.21 0020000988 **\$ 669**
Hose, insulated, PTFE, Ø 13 mm,
150 mm, 2 pcs.

LT 5.24 2578100 **\$ 74**
Hose adapter

LT 5.25 0020000878 **on request**
Lock Coupling

LT 5.26 0020000879 **on request**
Lock Adapter

LT 5.27 0020000880 **on request**
Hose Adapter

Common accessories

⑩ **T 25 digital** 3725001 **\$ 1,587**
Disperser

⑪ **S 25 KV - 25 F** 2404000 **\$ 3,220**
Dispersing element

⑫ **S 25 KV - 25 G** 2466900 **\$ 3,220**
Dispersing element

⑬ **S 25 KV - 18 G** 2348000 **\$ 3,106**
Dispersing element

⑭ **labworldsoft®** 4720000 **\$ 190**
Laboratory software

magic PLANT



magic PLANT basic

The ideal small laboratory plant for perfect mixing and homogenizing of liquid to pasty products.

magic PLANT inline

Effective dispersing and homogenizing. In connection with the IKA® magic LAB®, the magic PLANT is specially adapted to the requirements of batch plants.

magic PLANT powder

Efficient but gentle mixing and drying of all free flowing solids, including products with different bulk densities and particle sizes.

Technical data	magic PLANT basic	magic PLANT inline	magic PLANT powder
Max. admissible temperature	150 °C	150 °C	150 °C
Working pressure range	-1 up to 2.5 bar	-1 up to 2.5 bar	-1 up to 2.5 bar
Useful volume	2 l	2 l	2 l
Stirring tool	anchor or propeller	propeller	spiral agitator
Speed range	0 – 350 rpm 0 – 2000 rpm	0 – 350 rpm 0 – 2000 rpm	0 – 350 rpm
Price	\$ 30,709	\$ 43,847	\$ 31,530
	Ident. No. U105363	Ident. No. U107703	Ident. No. U107159



The most versatile laboratory reactor

The IKA® magic PLANT is an ideal laboratory scale process plant. This system is used for batch-wise mixing, homogenizing, emulsifying, in addition to forming sample suspensions for capacities of up to 2 liters. Whether it is involved with the manufacturing of liquids, pastes or powders - the magic PLANT delivers, enabling a seamless transition from product development to production.

magic PLANT



Modular design



Higher viscosity products processible



Tiltable vessel





IKA®'s software labworldsoft® enables the networking of up to 64 laboratory devices which can be controlled simultaneously via one PC. Not only IKA® products, but also other manufacturers' laboratory devices can be integrated using labworldsoft®. CalWin represents the newest generation of professional software for all IKA® calorimeters. It offers numerous functions for monitoring and evaluating results.

Advanced software with an innovative visual approach to lab automation

labworldsoft® is a multi-purpose software program for measuring, controlling and regulating laboratory devices. It 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. It not only integrates IKA® laboratory devices but also supports devices from other manufacturers.

GLP/GMP
Compliance!



labworldsoft®

Hardware and software requirements

Pentium processor 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 certain requirements.

Price

\$ 190

Ident. No. 4720000

IKA®+

Try it for yourself

Get your free, fully functional, 30 day trial version Download at:
www.ika.com

labworldsoft® | Accessories



Accessories

PCI 8.2 Plug-in card

To be integrated into the PC – used for connecting up to 8 devices simultaneously.

Ident. No.	8017500
Price	\$ 1,687

PC 4.1 RS 232 Server

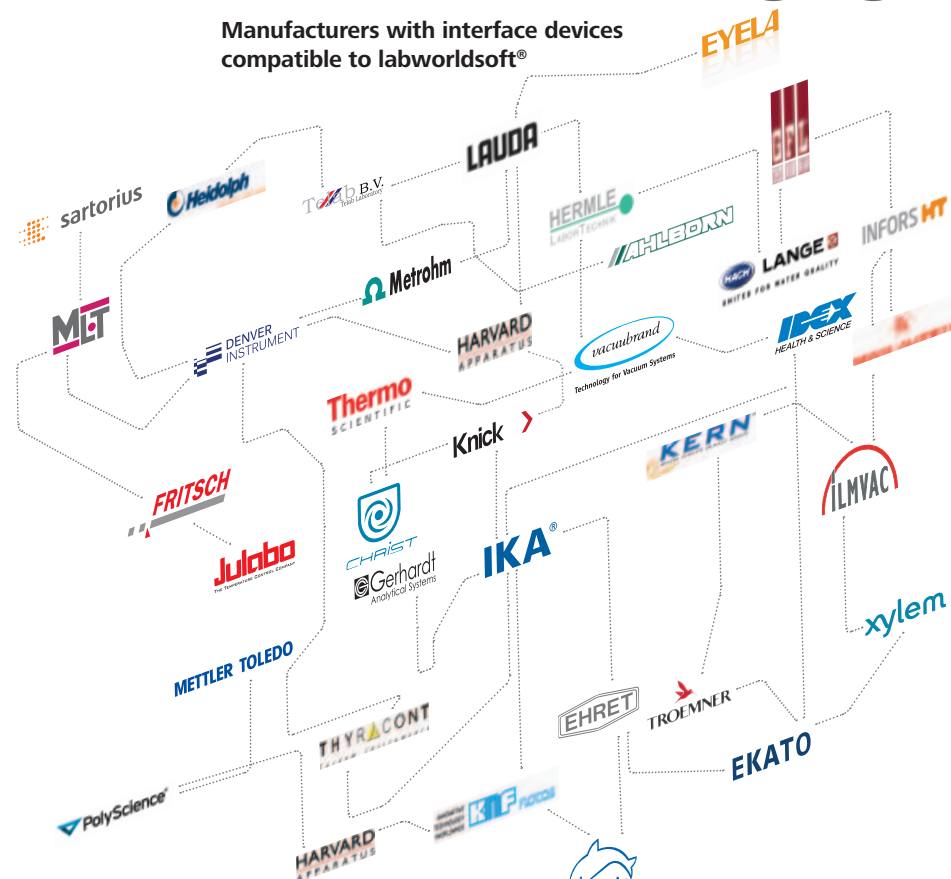
Can control up to 4 lab units through the ethernet. The server supports 4 RS 232 ports with a 10/100 mbps ethernet interface by TCP/IP. The server can be set-up through the ethernet and works as a transparent serial COM-Port without restrictions of platform and distance.

Ident. No.	3192000
Price	\$ 2,284



	Ident. No.	Price
① Expert Key 100 eco	0020005486	\$ 3,695
Data collection system for laboratories		
② Expert Key 100 pro	0020005485	on request
Data collection system for industries		
Multi Power Switch	0020003454	on request
Adapter for Expert Key		
RV 10 A 1	0020004315	on request
Adapter LEMO for Expert Key		
PT 1000 A 1	0020004316	on request
Adapter DIN 6 for Expert Key		
PT 100.10 A 1	0020004317	on request
Adapter DIN 5 for Expert Key		

Manufacturers with interface devices compatible to labworldsoft®



Cable

	Length	Ident. No.	Price
PC 1.1 Cable	3 m	2616700	\$ 174
PC 1.5 Cable	2.5 m	2756000	\$ 183
PC 2.1 Cable	5 m	2700700	\$ 162
PC 2.3 Cable	3 m	3036200	\$ 120
DTM 12.10 Cable	2.5 m	3127800	\$ 624

Adapter

PC 1.2 Adapter	—	2616800	\$ 205
PC 1.4 Adapter	—	2755900	\$ 245
PC 2.2 Adapter	—	2753200	\$ 138
PC 5.1 Adapter	—	2621500	\$ 252

* For more information on cables and adapters, please visit our website: www.ika.com/products

Calorimeters



IKA® oxygen bomb calorimeters are the market leaders when it comes to determining the calorific values of liquid and solid samples. The selection of IKA® oxygen bomb calorimeters is optimally geared towards various different demands. Functionality, safety, and longevity were the main goals in the development of IKA®'s oxygen bomb calorimeters.



The world's smallest calorimeter!

- > Represents the smallest static jacket calorimeter in the world
- > combines modern technology with unique automation

C 1



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



Automatic oxygen filling, venting and flushing



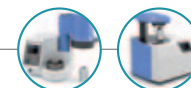
Automatic ignition with fixed ignition wire as well as ignition energy determination for each experiment



Automatic water filling and draining



Calorimeters



Technical data

Maximum energy input
Resolution of the temperature sensor
Power ON-time
Operating oxygen pressure

Measuring modes /
Measurements per hour

Start temperature settings

RSD
(using NIST benzoic acid 39j)

Number of decomposition vessel
per unit

Price

C 1

40,000 J
0.0001
100 %
30 bar

Isoperibol
Static jacket (Regnault Pfaundler) 4

2 possible settings: 22 °C or 30 °C

Isoperibol
Static jacket (Regnault Pfaundler)
0.15%

up to 2

\$ 14,840 | \$ 25,871 | \$ 23,000

C 1 Ident. No. 3825000

C 1 Package 1/10 Ident. No. 8804900

C 1 Package 2/10 Ident. No. 8805100



Software provides control chart
view and correction calculation
of globally used standards



RFID technology used
for decomposition vessel
identification



Easy bomb preparation due to
new "turned around" crucible
holder technology



C 6000 isoperibol

40,000 J
0.0001
100 %
30 bar

Isoperibol (Regnault Pfaundler) 4
Dynamic 6

3 possible settings: 22 °C, 25 °C, 30 °C

Isoperibol (Regnault Pfaundler) 0.05%
Dynamic 0.15%

up to 4

\$ 28,900 | \$ 32,620
\$ 24,298 | \$ 27,273

Package 1/10 Ident. No. 8804501

Package 1/12 Ident. No. 8804601

Package 2/10 Ident. No. 8804701

Package 2/12 Ident. No. 8804801

C 6000 global standards

40,000 J
0.0001
100 %
30 bar

Adiabatic 5
Isoperibol (Regnault Pfaundler) 4
Dynamic 6

3 possible settings: 22 °C, 25 °C, 30 °C

Adiabatic 0.05%
Isoperibol (Regnault Pfaundler) 0.05%
Dynamic 0.15%

up to 4

\$ 35,000 | \$ 38,720
\$ 47,322 | \$ 36,614

Package 1/10 Ident. No. 8804101

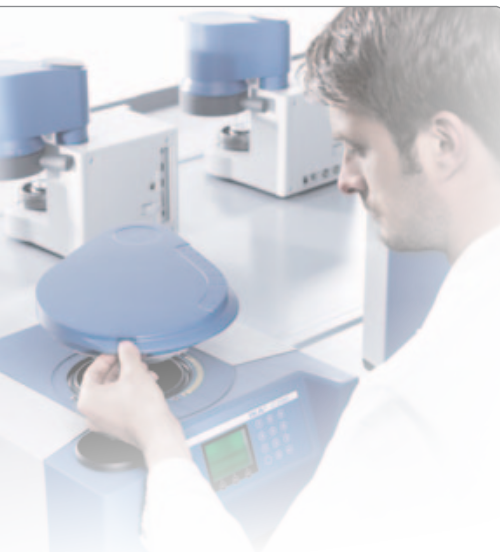
Package 1/12 Ident. No. 8804201

Package 2/10 Ident. No. 8804301

Package 2/12 Ident. No. 8804401



Calorimeters



GOST-certified



Automatic precise filling of inner vessel



Technical data

Maximum energy input	40,000 J
Resolution of the temperature sensor	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	—
Measuring modes / Measurements per hour	Isoperibol 3 Dynamic 5 Manual (Isoperibol) 3 Time-controlled 4
Start temperature settings	18 – 25 °C
RSD (using NIST benzoic acid 39j)	Isoperibol 0.1 % Dynamic 0.1 % Manual (Isoperibol) 0.1 % Time-controlled 0.1 %
Number of decomposition vessel per unit	up to 4

Price

\$ 15,557 | \$ 21,543

C 200 Ident. No. 8802501

C 200 h Ident. No. 8803701



C 2000

Maximum energy input	40,000 J
Resolution of the temperature sensor	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes / Measurements per hour	Isoperibol 3 Dynamic 6
Start temperature settings	2 possible settings: 25 °C or 30 °C
RSD (using NIST benzoic acid 39j)	Isoperibol 0.05 % Dynamic 0.1 %
Number of decomposition vessel per unit	up to 4

\$ 25,513 | \$ 28,637

basic Version 1 Ident. No. 8801801

basic Version 2 Ident. No. 8801901

C 5000

Maximum energy input	40,000 J
Resolution of the temperature sensor	0.0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes / Measurements per hour	Adiabatic 4 Isoperibol 3 Dynamic 6
Start temperature settings	Package 1: 22 °C / Package 2: 25 °C
RSD (using NIST benzoic acid 39j)	Adiabatic 0.05 % Isoperibol 0.05 % Dynamic 0.1 %
Number of decomposition vessel per unit	up to 4

\$ 38,955 | \$ 47,975

Package 1/10 Ident. No. 8803001

Package 1/12 Ident. No. 8803301

Calorimeters | Accessories & consumables

IKA®+

The halogen resistant decomposition vessels C 5012, C 6012 and C 7012 are equipped with a catalytically active surface, which enhances the on-going reactions during the combustion. As a result, higher recovery rates for halogens and sulfur are achieved.

C 1 Accessories and consumables

	Ident. No.	Price
C 1.1012	4500700	on request
Organizer		
C 1.30	4500900	on request
Venting station		
C 1.10	4500300	on request
Combustion chamber		
C 1.101	4502200	\$ 468
Set of spare parts, approx. 1000 experiments		

C 200 accessories

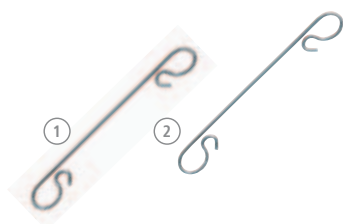
	Ident. No.	Price
C 248	3520000	\$ 2,433
Oxygen station		
C 200.1	3548900	\$ 57
Measuring cup, 2000 ml		
C 200.2	4028800	\$ 216
Conversion kit for C 5012		

C 6000 Accessories and consumables

	Ident. No.	Price
C 6010	3770000	\$ 2,990
Decomposition vessel, standard		
C 6012	4504000	\$ 5,680
Decomposition vessel, halogen resistant		
C 6030	4504100	on request
Venting station		
C 60.1012	4504200	on request
Organizer		
C 6000.10	4504300	\$ 1,177
Set of spare parts, approx. 1000 experiments		
C 6000.12	4504400	\$ 2,791
Set of spare parts, approx. 1000 experiments		

C 1 and C 6000 consumables

	Ident. No.	Price
C 1.50	4500600	\$ 1,671
Dot matrix printer		
① C 1.103	4579300	\$ 48
Ignition wire, standard, Kantal, 5 pcs.		
② C 1.123	4500200	\$ 155
Ignition wire, platinum, 2 pcs.		



Accessories for all Calorimeters

	Ident. No.	Price
C 27	4579700	on request
Calorimeter preparation set		
C 29	1004944	\$ 1,429
Pressure gauge, oxygen		
C 21	1605300	\$ 2,057
Pelleting press		
C 5010.8	4579800	\$ 192
Crucible holder, small		
C 5010.5	3055900	\$ 147
Crucible holder, big		

C 200, C 2000, C 5000 accessories

	Ident. No.	Price
C 5010	7114000	\$ 3,090
Decomposition vessel, standard		
C 5012	7215000	\$ 5,896
Decomposition vessel, halogen resistant		
C 5030	7198000	\$ 2,027
Venting station		
C 5010.4	3016900	\$ 193
Attachment for combustible crucible C 14		
C 26	8804000	\$ 469
Prep stand		

C 2000, C 5000, C 6000 accessories

	Ident. No.	Price
C 5020	7145000	\$ 14,667
Sample rack		

C 1, C 2000, C 6000 accessories

	Ident. No.	Price
C 25	3197200	\$ 754
Pressure regulating valve		

C 7000 accessories

	Ident. No.	Price
C 7000	3008000	on request
Measurement cell		
C 7010	3015000	on request
Decomposition vessel, standard		
C 7012	3017000	on request
Decomposition vessel, halogen resistant		
C 7002	7011000	on request
Cooling system		
C 48	1560000	\$ 2,603
Oxygen station		
C 7030	3013300	\$ 5,579
Venting station		
C 7010.8	7095000	\$ 1,156
Venting handle		
C 5010.4	3016900	\$ 193
Attachment for combustible crucible C 14		
C 5010.5	3055900	\$ 147
Crucible holder, big		

Calorimeters | Accessories & consumables



Consumables for all calorimeters

	Ident. No.	Price
③ C 1.104	0020003598	on request
Water bath additive, 30 ml		
④ C 710.4	1483700	\$ 68
Cotton thread, cut to length, 500 pcs.		
C 710.8	4579900	\$ 68
Cotton thread, cut to length, thick, 500 pcs.		
⑤ C 4	1695500	\$ 40
Quartz dish		
⑥ C 5	1749500	\$ 270
Set of VA combustion crucibles, 25 pcs.		
⑦ C 6	0355100	\$ 96
Quartz dish, big		
⑧ C 710.2	1483500	\$ 270
Set of VA combustion crucibles, 25 pcs.		
⑨ C 9	0749900	\$ 48
Gelatine capsules, 100 pcs.		
⑩ C 10	0750000	\$ 207
Acetobutyrate capsules, 100 pcs.		

C 12	2201400	\$ 61
Combustion bags, 40 x 35 mm, 100 pcs		
C 12 A	2201500	\$ 66
Combustion bags, 70 x 40 mm, 100 pcs		
C 15	3131100	\$ 68
Paraffin strips, 45 x 3 mm, 600 pcs.		
C 16	3801100	\$ 216
Parafilm, 1000 x 50 mm		
⑪ C 17	3801200	\$ 356
Paraffin, liquid, 30 ml		
⑫ C 43	0750600	\$ 798
Benzoic acid, NIST 39j, 30 g		
⑬ C 723	3243000	\$ 39
Benzoic acid, blister package, 0.5 g, 50 pcs.		
C 723 Big pack	3717400	\$ 334
Benzoic acid, blister package, 0.5 g, 450 pcs.		
⑭ AOD 1.11	3044000	\$ 231
Control standard, 50 ml, for Sulfur and chlorine		
⑮ AOD 1.12	3080200	\$ 326
Control standard, 50 ml, for fluorine and bromine		



C 200, C 2000, C 5000 and C 7000 consumables

	Ident. No.	Price
C 5010.3	7122800	\$ 50
Ignition wire, spare, 5 pcs.		
C 5012.3	2994900	\$ 198
Ignition wire, platinum, 2 pcs.		
C 14	7224500	\$ 207
Combustible crucible, 100 pcs.		

Calorimeter instructions

Instruction on the IKA® Calorimeter system
on request

Decomposition system

	Ident. No.	Price
AOD 1	8801300	\$ 30,471
Decomposition system		

Decomposition accessories

	Ident. No.	Price
AOD 1.1	3303000	\$ 13,165
Decomposition vessel		
AOD 1.2	3348000	\$ 3,733
External ignition unit		
AOD 1.3	3308000	\$ 4,566
Protection device		
AOD 1.13	3348100	\$ 1,520
Remote ignition head		



C 6040 CalWin

Hardware and software requirements

Windows XP (SP2), Windows Vista, Windows 7, Windows 8 and at least one free USB or RS 232 (9 pin Sub-D (M)) serial interface. Processor with min. 1.6 GHz (single core-Processor); 2 GB RAM; 2.5 GB free hard-disc space; DVD-ROM-drive.

Price

\$ 2,900

Ident. No. 4040500

IKA® Packages

Package name / Package description	Ident No.	Price
RCT Synthesis Package 1	8039601	\$ 1,297

RCT basic	3810001
H 16 V Support rod	1545100
H 44 Boss head clamp	2437700
H 38 Holding rod	3547700
H 135.10 Square Carrier without handle	0025000832
H 135.101 Block 16 x 4 ml	0025000626
H 135.104 Block 4 x 20 ml	0025000629
H 135.105 Block 4 x 30 ml	0025000630
H 135.106 Block 4 x 40 ml	0025000631

RCT Synthesis Package 2	8039701	\$ 1,171
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RCT basic	3810001
H 16 V Support rod	1545100
H 44 Boss head clamp	2437700
H 38 Holding rod	3547700
H 135.30 Flask Carrier 500 ml without Handle	0025000639
H 135.302 Flask inlay 250 ml	0025000642
H 16.1 Extension	0005000500



Package name / Package description	Ident No.	Price
C-MAG HS 7 Package	L005457	\$ 759

C-MAG HS 7	3581201
ETS-D5 Electronic contact thermometer	3378000
H 38 Holding rod	3547700
H 44 Boss head clamp	2437700
H 16 V Support rod	1545100



Magnetic stirrers
with heating
page 6



Package name / Package description	Ident No.	Price
KS 130 basic Package	9019001	\$ 1,579

KS 130 basic	2980001
AS 130.3 Dish attachment	3120000
STICKMAX universal adhesive mat	3920000

KS 130 control NOL Package	9025501	\$ 2,392
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KS 130 NOL control	4278201
AS 130.3 Dish attachment	3120000
STICKMAX universal adhesive mat	3920000

KS 260 basic Package	9019201	\$ 1,944
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KS 260 basic	2980201
AS 260.3 Dish attachment	3120600
2 x STICKMAX universal adhesive mat	3920000

KS 260 control NOL Package	9025601	\$ 2,839
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KS 260 control NOL	4278401
AS 260.3 Dish attachment	3120600
2 x STICKMAX universal adhesive mat	3920000



Shakers
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IKA® Packages

①

Package name / Package description	Ident. No.	Price
Open heating bath circulators		
ICC basic eco 8*	0010000853	\$ 2,088
ICC control eco 8**	0010000849	\$ 2,304
BS.ICC	0020003077	
IB eco 8 Bath vessel, plastic	4248100	
ICC basic eco 18*	0010000475	\$ 2,286
ICC control eco 18**	0010000481	\$ 2,502
BL.ICC	0020003078	
IB eco 18 Bath vessel, plastic	4248200	
ICC basic pro 9*	0010000851	\$ 2,318
ICC control pro 9**	0010000847	\$ 2,534
BS.ICC	0020003077	
IB pro 9 Bath vessel, stainless steel	4248500	
ICC basic pro 12*	0010000473	\$ 2,400
ICC control pro 12**	0010000479	\$ 2,616
BL.ICC	0020003078	
IB pro 12 Bath vessel, stainless steel	4577500	
ICC basic pro 20*	0010000477	\$ 2,564
ICC control pro 20**	0010000483	\$ 2,780
BL.ICC	0020003078	
IB pro 20 Bath vessel, stainless steel	4248600	

* ICC basic included in delivery

** ICC control included in delivery

③

Package name / Package description	Ident. No.	Price
Covered heating bath circulator		
IC basic eco 18 c*	0010000468	\$ 3,300
IC control eco 18 c**	0010000471	\$ 3,700
IB eco 18 Bath vessel, plastic	4248200	
CL.IC Cover	4471800	
IC basic pro 12 c*	0010000467	\$ 3,350
IC control pro 12 c**	0010000470	\$ 3,750
IB pro 12 Bath vessel, stainless steel	4577500	
CM.IC Cover	4577600	
IC basic pro 20 c*	0010000469	\$ 3,400
IC control pro 20 c**	0010000472	\$ 3,800
IB pro 20 Bath vessel, stainless steel	4248600	
CL.IC Cover	4471800	

** IC control included in delivery
PT 100.30 Temperature Sensor, CC 1 Cooling Coil, and BS.IC Bridge
are all included in the delivery for both IC basic | control Packages with cover

Temperature Control
page 112



②

Package name / Package description	Ident. No.	Price
Covered heating bath circulator		
ICC basic eco 8 c*	0010000854	\$ 2,628
ICC control eco 8 c**	0010000850	\$ 2,844
BS.ICC	0020003077	
CS.ICC	4471500	
IB eco 8 Bath vessel, plastic	4248100	
ICC basic eco 18 c*	0010000476	\$ 3,004
ICC control eco 18 c**	0010000482	\$ 3,106
BL.ICC	0020003078	
CL.ICC	4471600	
IB eco 18 Bath vessel, plastic	4248200	
ICC basic pro 9 c*	0010000852	\$ 2,858
ICC control pro 9 c**	0010000848	\$ 3,074
BS.ICC	0020003077	
CS.ICC	4471500	
IB pro 9 Bath vessel, stainless steel	4248500	
ICC basic pro 12 c*	0010000474	\$ 3,119
ICC control pro 12 c**	0010000480	\$ 3,335
BL.ICC	0020003078	
CM.ICC	0025000290	
IB pro 12 Bath vessel, stainless steel	4577500	
ICC basic pro 20 c*	0010000478	\$ 3,282
ICC control pro 20 c**	0010000484	\$ 3,384
BL.ICC	0020003078	
CL.ICC	4471600	
IB pro 20 Bath vessel, stainless steel	4248600	

* ICC basic included in delivery

** ICC control included in delivery
PT 100.30 Temperature sensor, CC2 Cooling Coil, and PCS.ICC Pump connection
are all included in the delivery for ICC control Packages with cover



Temperature Control
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IKA® Packages



RV 8

Package name / Package description	Ident No.	Price
RV 8 V	8033901	\$ 3,052
RV 8	4057099	
HB 10 heating bath	4068001	
RV 10.900 Set of glassware, vertical	3842500	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 8 V-C	8034301	\$ 3,465
RV 8	4057099	
HB 10 heating bath	4068001	
RV 10.910 Set of glassware, vertical, coated	3842600	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 8 Dry Ice	0010000403	\$ 3,680
RV 8	4057099	
HB 10 heating bath	4068001	
RV 10.40 Dry ice condensor	3742000	
RV 10.73 Vapor tube, NS 24/40	3829400	

Rotary Evaporators
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Package	Ident No.	Price
RV 10 basic V	8023901	\$ 3,380
RV 10 basic	3540001	
HB 10 heating bath	4068001	
RV 10.900 Set of glassware, vertical	3842500	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 basic V-C	8024501	\$ 3,759
RV 10 basic	3540001	
HB 10 heating bath	4068001	
RV 10.910 Set of glassware, vertical, coated	3842600	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 basic Dry Ice	8031001	\$ 3,759
RV 10 basic	3540001	
HB 10 heating bath	4068001	
RV 10.4 Dry Ice Condensor set	3742000	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 digital V	8024101	\$ 4,651
RV 10 digital	3550001	
HB 10 heating bath	4068001	
RV 10.900 Set of glassware, vertical	3842500	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 digital V-C	8024701	\$ 5,049
RV 10 digital	3550001	
HB 10 heating bath	4068001	
RV 10.910 Set of glassware, vertical, coated	3842600	
RV 10 digital Dry Ice	8031101	\$ 5,049
RV 10 digital	3550001	
HB 10 heating bath	4068001	
RV 10.4 Dry Ice Condensor set	3742000	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 digital FLEX	8023601	\$ 3,520
RV 10 digital	3550001	
HB 10 heating bath	4068001	
RV 10.73 Vapor tube, NS 24/40	3829400	

Rotary Evaporators
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Package	Ident No.	Price
RV 10 control V	8038301	\$ 6,036
RV 10 control	4411099	
HB 10 heating bath	4068001	
RV 10.900 Set of glassware, vertical	3842500	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10.4002 Magnetic valve laboratory vacuum	3880300	
RV 10 control V-C	8038501	\$ 6,411
RV 10 control	4411099	
HB 10 heating bath	4068001	
RV 10.910 Set of glassware, vertical, coated	3842600	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10.4002 Magnetic valve laboratory vacuum	3880300	
RV 10 control Dry Ice	8031201	\$ 6,411
RV 10 control	3560001	
HB 10 heating bath	4068001	
RV 10.40 Dry ice condensor	3742000	
RV 10 control V auto	8038401	\$ 10,742
RV 10 control	4411099	
Pump with analog connection	4406000	
HB 10 heating bath	4068001	
RV 10.900 Set of glassware, vertical	3842500	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 control V-C auto	8038601	\$ 11,073
RV 10 control	4411099	
Pump with analog connection	4406000	
HB 10 heating bath	4068001	
RV 10.910 Set of glassware, vertical, coated	3842600	
RV 10.73 Vapor tube, NS 24/40	3829400	
RV 10 control FLEX auto	8038801	\$ 10,411
RV 10 control	4411099	
Pump with analog connection	4406000	
HB 10 heating bath	4068001	
RV 05.10 Balljoint clamp	0736600	
RV 10.73 Vapor tube, NS 24/40	3829400	

IKA® Packages

Package name / Package description	Ident. No.	Price
C 1 Package 1/10	0010001059	\$ 25,871
C 1	3825000	
RC 2 basic recirculating chiller	4171001	
C 1 Package 2/10	8805100	\$ 23,000
C 1	3825000	
C 1.20 Water heater	4501000	
C 6000 global standards Package 1/10	0010001060	\$ 36,614
C 6000 global standards	0020001717	
C 6010 Decomposition vessel, standard	3770000	
RC 2 basic recirculating chiller	4171001	
C 6000 global standards Package 1/12	0010001061	\$ 38,720
C 6000 global standards	0020001717	
C 6012 Decomposition vessel, halogen resistant	4504000	
RC 2 basic recirculating chiller	4171001	
C 6000 global standards Package 2/10	8804301	\$ 32,894
C 6000 global standards	0020001717	
C 6010 Decomposition vessel, standard	3770000	
C 6000 global standards Package 2/12	8804401	\$ 35,000
C 6000 global standards	0020001717	
C 6012 Decomposition vessel, halogen resistant	4504000	
C 6000 isoperibol Package 1/10	0010001062	\$ 28,900
C 6000 isoperibol	0020001718	
C 6010 Decomposition vessel, standard	3770000	
RC 2 basic recirculating chiller	4171001	
C 6000 isoperibol Package 1/12	0010001063	\$ 32,620
C 6000 isoperibol	0020001718	
C 6012 Decomposition vessel, halogen resistant	4504000	
RC 2 basic recirculating chiller	4171001	
C 6000 isoperibol Package 2/10	0020001718	\$ 24,298
C 6000 isoperibol	0020001718	
C 6010 Decomposition vessel, standard	3770000	
C 6000 isoperibol Package 2/12	8804801	\$ 27,273
C 6000 isoperibol	0020001718	
C 6012 Decomposition vessel, halogen resistant	4504001	



C 1



C 6000

Calorimeters
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C 200



C 2000



C 5000

Calorimeters
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Package name / Package description	Ident. No.	Price
C 200 Package	8802501	\$ 15,557
C 200	3385001	
C 248 Oxygen station	3520000	
C 5012 Decomposition vessel, standard	7114000	
C 200 h	8803701	\$ 21,543
C 200	3385001	
C 200.2 Conversion set for C 5012	4028800	
C 248 Oxygen station	3520000	
C 5012 Decomposition vessel, halogen resistant	7215000	
C 2000 basic Version 1	8801801	\$ 25,513
C 2000 basic	3180001	
C 5010 Decomposition vessel, standard	7114000	
C 2000 basic Version 2	8801901	\$ 28,637
C 2000 basic	3180001	
C 5012 Decomposition vessel, halogen resistant	7215000	
C 5000 control Package 1/10	8803001	\$ 38,955
C 5000 Control	3048001	
C 5001 Cooling system	7066001	
C 5003 Measurement cell	3595001	
C 5010 Decomposition vessel, standard	7114000	
C 5000 control Package 1/12	8803301	\$ 47,975
C 5000 Control	3048001	
C 5001 Cooling system	7066001	
C 5003 Measurement cell	3595001	
C 5012 Decomposition vessel, halogen resistant	7215000	

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IKA® offers more

Calorimeter Service Programs

IKA® now offers a comprehensive oxygen bomb calorimeter and decomposition vessel service and preventive maintenance program to ensure optimal performance of your IKA® calorimeters. The following services are included in these programs:

Preventative Maintenance (PM) Program

- Onsite testing
- Replacement of all major parts, including pistons, pumps and seals
- System flush and calibration checks
- Maintenance of clean water for optimal circulation
- Clean oxygen exhaust system

Decomposition Vessel Preventive Maintenance (PM) Program

- Depot service only
- Electrical testing
- Replacement of internal parts
- Hydrostatic high-pressure testing up to 450 psi and certification
- Oxygen testing of 450 psi

For additional information on these calorimeter service programs or to schedule your service today, please contact calorimeters@ika.net or call 1-800-733-3037

For a complete listing of our calorimeters, accessories and consumables, please view IKA® calorimeters.



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