

# IKA

designed for scientists

EN



Product Overview 2018.

THE FASCINATING WORLD OF LABORATORY EQUIPMENT.

We are committed to providing innovations that make your work safer, future-oriented and smarter.

/// Discover the fascinating world of laboratory equipment and analytical technologies.

Our new product overview 2018 is ready for you. As a leading manufacturer of laboratory, analytical and processing equipment, we always strive for the best and latest technology for scientists to successfully focus on their work.

**3-YEAR WARRANTY\***

\* 2 + 1 years following registration at [www.ika.com/en](http://www.ika.com/en), not including wearing parts.



Our cover is a collage of featured pictures of our Instagram followers from around the globe. We thank you for your inspiration.

 IKAworldwide  IKAworldwide /// #lookattheblue  @IKAworldwide



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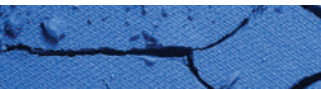
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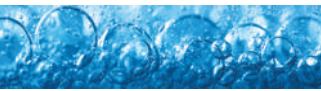
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# Our innovations

## /// Electrochemistry kit

### ElectraSyn 2.0 and ElectraSyn 2.0 pro

A potentiostat, an analytical device and a stir plate in one with lifetime warranty.



## /// Magnetic stirrers

### IKA Plate (RCT digital)

The ultimate stirring plate built for real chemists. With lifetime warranty.



### Midi MR 1 digital

The IKA magnetic stirrer without heating function impresses with its flat and stable stainless steel housing and features a stall-proof electric motor.



### C-MAG HS 7 control

The new C-MAG HS 7 control with a glass ceramic heating plate and a unique display that shows all information at a glance.



### KMO 3 basic

Magnetic stirrer without heating function with high-quality, fast-response display and hardened glass.



## /// Rotary Evaporator

### RV 3

The Beginner: RV 3 V with the new 4 liter heating bath for temperatures of up to 100 °C. You can use it for manual and standard distilling applications.



## /// 10 liter Photobioreactor

### IKA Algaemaster 10 control

Algae are becoming increasingly interesting for different industries. The IKA Algaemaster 10 control is a fully autonomous photobioreactor that provides researchers with the equipment necessary for producing mass densities of sensitive microalgae.



## /// Drying ovens

### IKA Oven 125

The IKA Oven 125 is a universal drying oven for tempering, drying, aging, and heating tasks in the laboratory.



## /// Vacuum technology

### VACSTAR digital

IKA's latest pump which works as stand-alone unit and has a space-saving design.





# Electrochemistry

## /// Electrochemistry kit

A potentiostat, an analytical device and a stir plate in one.

In a unique endeavor, IKA owner René Stiegelmann has partnered up with Professor Phil S. Baran of the world-renowned Scripps Research Institute in La Jolla, California (USA). Over the past three years, engineers and chemists have worked hand in hand to develop a product combining two divisions of chemistry communities: the Electrochemical and the mainstream Synthetic Organic Chemistry Communities that traditionally don't have much in common.

LIFETIME WARRANTY!



**ElectraSyn 2.0 pro**  
CV package

Ident. No. 0040003261

€ 2.499,00



**Potentiostat.**



**Stirring abilities:** Industry leading and proven stirring technology.



**Standardization** for reproducible results.



**Analytical capabilities.**



**Modular design** allows for future introduction of electrolysis setups.



**Future proofing:** A device that improves over time with firmware updates via USB.

## /// Electrochemistry kit



### TECHNICAL DATA

/// ElectraSyn 2.0, Ident. No. 0020002694

Nominal voltage (input)	48 VCD
Max. current (input)	1.500 mA
Max. input power	40 W
Voltage output	30 / 10 V
Current output	100 mA
EC motor rating output	9 W
Speed range	50 – 400 – 1.500 rpm
Setting accuracy speed	10 rpm
Stirring quantity max. per stirring position (H <sub>2</sub> O)	100 ml
Stir bar length	10 mm
Operation elements	Capacitive touch / Turning knob
Speed control	Turning knob
Display	TFT
Analog output	no
RS 232 interface	no
USB interface	yes
IP rating	IP 40
Permissible ambient temperature	+5 – +40 °C
Permissible relative humidity	80 %
Dimensions incl. single-vial Adapter (W × D × H)	130 × 250 × 150 mm
Weight	1,4 kg

### Power Supply

Input	100 – 240 VAC   1,5 A   50 – 60 Hz
Output	48 VCD   39,84 W LPS (limited power source)
Protection class	II (double insulated)



### ElectraSyn 2.0

“Ready-To-Go” package

- > ElectraSyn 2.0 base unit
- + Vial holder
- + Single vial, 10 ml, complete
- + 2 electrodes (graphite)
- + Stir plate (aluminum)
- + Magnetic stir bar

Ident. No. 0020008980

€ 1.749,00

### ElectraSyn 2.0 pro

CV package

- > ElectraSyn 2.0 base unit
- + Vial holder
- + Single vial, 10 ml, complete
- + 2 electrodes (graphite)
- + Stir plate (aluminum)
- + Magnetic stir bar
- + Set of CV electrodes:
  - + CV glassy carbon
  - + CV Platinum
  - + Reference electrode Ag / AgCl

Ident. No. 0040003261

€ 2.499,00

The ultimate stirring plate built for real chemists to last forever. Guaranteed.

IKA Plate (RCT digital).



PHIL  
BARAN

JIN-QUAN  
YU

## Mixing

/// 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.

LIFETIME  
WARRANTY!



IKA Plate (RCT digital)

Ident. No. 0025004601  
€ 849,00



First magnetic stirrer with **lifetime warranty**.



**IKA SmartTemp®** – keep reactions and chemists safe.



**Integrated timer / counter** for the control of kinetics sensitive reactions and reminders.



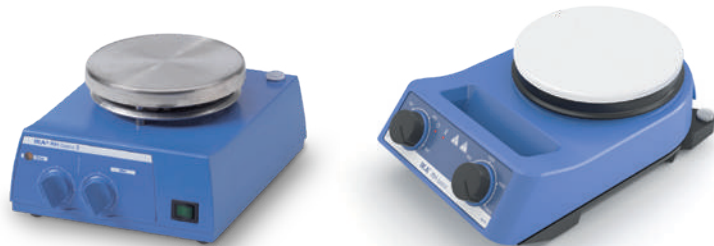
A stirplate that improves over time with firmware **updates via USB**.

## /// Magnetic stirrers with heating function

### TECHNICAL DATA

/// Comparison

	<b>RH basic 2</b> Ident. No. 0003339000	<b>RH basic   basic white</b> Ident. No. 0005019700   0005029700
Max. stirring quantity (H <sub>2</sub> O)	10 l	15 l
Speed range	100 – 2.000 rpm	100 – 2.000 rpm
Speed display	scale (0 – 6)	scale
Heat output	400 W	600 W
Temperature range	RT – 320 °C	50 – 320 °C
Max. magnetic bar (L × Ø)	–	80 mm
Safety circuit	400 °C (fixed)	100 – 360 °C
Control accuracy with sensor	–	ETS-D5: ± 0,5 K ETS-D6: ± 0,2 K
Heating plate material	stainless steel 1.4301	stainless steel 1.4301   white ceramic
Set-up plate dimensions	Ø 125 mm	Ø 135 mm
Weight	2,4 kg	2,8 kg
	<b>€ 364,00</b>	<b>€ 499,00   € 523,00</b>



### **RH digital | digital white**

Ident. No. 0005019800 |  
0004678000

15 l
100 – 2.000 rpm
LED
600 W
50 – 320 °C
80 mm
100 – 360 °C
ETS-D5: ± 0,5 K ETS-D6: ± 0,2 K
stainless steel 1.4301   white ceramic
Ø 135 mm
2,8 kg
<b>€ 598,00   € 623,00</b>

### **RH digital white**

- › attractively priced magnetic stirrer
- › DIN 12878 socket for connection of an electronic contact thermometer, e.g. ETS-D5
- › 600 Watt heating output
- › stainless steel-copper composite hotplate with ceramic coating
- › adjustable safety circuit for hotplate temperatures from 100 – 360 °C



## /// Magnetic stirrers with heating function

	<b>RCT basic</b> Ident. No. 0003810000*	<b>IKA Plate (RCT digital)</b> Ident. No. 0025004601
Max. stirring quantity (H <sub>2</sub> O)	20 l	20 l
Speed range	50 – 1.500 rpm	0 / 50 – 1.500 rpm
Heat output	600 W	600 W
Temperature range	RT + self-heating device – 310 °C	RT + self-heating device – 310 °C
Safety circuit	50 – 360 °C	50 °C – 370 °C (± K)
USB / RS 232 interface	–	yes
Control accuracy with sensor	PT 1000: ± 1 K	PT 1000: ± 0,5 K
Heating plate material	aluminum alloy	aluminum alloy
Set-up plate dimensions	Ø 135 mm	Ø 135 mm
Dimensions (W × D × H)	160 × 270 × 85 mm	160 × 270 × 85 mm
Weight	2,5 kg	2,4 kg
	<b>€ 738,00</b>	<b>€ 849,00</b>

\* PT 1000.60 included in delivery.



### RCT basic

- › safety magnetic stirrer with heating, suitable for unmonitored operation
- › improved heating control technology for extreme safety
- › aluminum hotplate for optimum heat transmission
- › including PT 1000 temperature sensor (PT 1000.60)
- › Hot Top Indicator: Warning to protect against burns when the heating plate is hot.
- › sealed construction (IP 42)



DESIGN  
AWARD  
2017

### IKA Plate (RCT digital)

- › IKA SmartTemp® – keep reactions and chemists safe
- › integrated timer / counter for the control of kinetics sensitive reactions
- › a stirplate that improves over time with firmware **updates via USB**



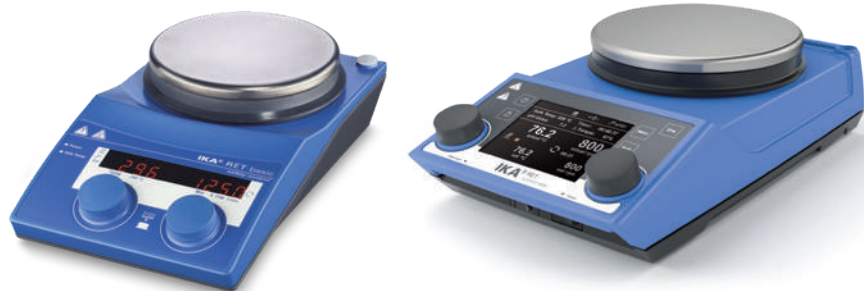
## /// Magnetic stirrers with heating function

### TECHNICAL DATA /// Comparison

	<b>RET basic</b> Ident. No. 0003622000	<b>RET control-visc</b> Ident. No. 0005020000*
Max. stirring quantity (H <sub>2</sub> O)	20 l	20 l
Speed range	50 – 1.700 rpm	50 – 1.700 rpm
Heat output	600 W	600 W
Temperature range	RT – 340 °C	RT – 340 °C
Safety circuit	50 – 360 °C	50 – 380 °C
Control accuracy with sensor	PT 1000: ± 1 K ETS-D5: ± 0,5 K ETS-D6: ± 0,2 K	PT 100: ± 0,2 K
Heating plate material	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	Ø 135 mm	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 95 mm	160 x 270 x 85 mm
Weight	2,5 kg	2,7 kg
	<b>€ 1.055,00</b>	<b>€ 1.299,00</b>

\* PT 100 included in delivery.

PATENTED!



### RET control-visc



Possibility to connect **pH electrode**.



**TFT display** for better image quality and easy navigation.



**High heating power.**



**Integrated temperature sensor** for precise temperature control.



**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.

### RET control-visc white

Ident. No. 0005030000\*

Max. stirring quantity (H <sub>2</sub> O)	20 l
Speed range	50 – 1.700 rpm
Heat output	600 W
Temperature range	RT – 340 °C
Safety circuit	50 – 380 °C
Control accuracy with sensor	PT 100: ± 0,2 K
Heating plate material	white ceramic
Set-up plate dimensions	Ø 135 mm
Dimensions (W x D x H)	160 x 270 x 85 mm
Weight	2,7 kg
	<b>€ 1.349,00</b>



## /// Magnetic stirrers with heating function

### TECHNICAL DATA

/// Comparison

	<b>C-MAG HS 4</b> Ident. No. 0003581000	<b>C-MAG HS 10</b> Ident. No. 0003581400
Max. stirring quantity (H <sub>2</sub> O)	5 l	15 l
Speed range	100 – 1.500 rpm	100 – 1.500 rpm
Heat output	250 W	1.500 W
Temperature range	RT + 50 – 500 °C	50 – 500 °C
Speed display	LED	LED
Max. magnetic bar (L x Ø)	30 mm	80 mm
Safety circuit	550 °C (fixed)	550 °C (fixed)
Control accuracy with sensor	–	ETS-D5 / ± 0,5 K
Heating plate material	ceramic	ceramic
Set-up plate dimensions	100 x 100 mm	260 x 260 mm
Weight	3 kg	6 kg
	<b>€ 499,00</b>	<b>€ 749,00</b>

### C-MAG HS 7 | Package

Ident. No. 0003581200 |  
0009015900

Max. stirring quantity (H <sub>2</sub> O)	10 l
Speed range	100 – 1.500 rpm
Heat output	1.000 W
Temperature range	50 – 500 °C
Speed display	LED
Max. magnetic bar (L x Ø)	80 mm
Safety circuit	550 °C (fixed)
Control accuracy with sensor	ETS-D5 / ± 0,5 K
Heating plate material	ceramic
Set-up plate dimensions	180 x 180 mm
Weight	5 kg
	<b>€ 549,00   € 699,00</b>





## /// Magnetic stirrers with heating function

### TECHNICAL DATA /// Comparison

	<b>C-MAG HS 4 digital</b> Ident. No. 0004240200*	<b>C-MAG HS 7 digital</b> Ident. No. 0003487000*
Max. stirring quantity (H <sub>2</sub> O)	5 l	10 l
Speed range	100 – 1.500 rpm	100 – 1.500 rpm
Heat output	250 W	1.000 W
Temperature range	50 – 500 °C	50 – 500 °C
Speed display	LCD	LCD
Max. magnetic bar (L x Ø)	30 mm	80 mm
Safety circuit	550 °C (fixed)	550 °C (fixed)
Control accuracy with sensor	± 0,5 K	± 0,5 K
Heating plate material	ceramic	ceramic
Set-up plate dimensions	100 x 100 mm	180 x 180 mm
Weight	3 kg	5 kg
	<b>€ 599,00</b>	<b>€ 699,00</b>

\* PT 1000.60 included in delivery.



### C-MAG HS 7 digital



**Ergonomic design.**



**LCD display** for simultaneous display of target and actual temperatures.



**Hot Top indicator** to prevent burns.



**Integrated temperature sensor** for precise temperature control.



**Ceramic top** offers excellent chemical resistance to acid, bases and solvents.

### C-MAG HS 10 digital Ident. No. 0004240400\*

15 l

100 – 1.500 rpm

1.500 W

50 – 500 °C

LCD

80 mm

550 °C (fixed)

± 0,5 K

ceramic

260 x 260 mm

6 kg

**€ 849,00**



## /// Magnetic stirrers with heating function

### TECHNICAL DATA

/// Comparison

#### C-MAG HS 7 control

Ident. No. 0020002694

Max. stirring quantity (H <sub>2</sub> O)	20 l
Speed range	50 – 1.500 rpm
Heat output	1.000 W
Temperature range	RT – 500 °C
Speed display	LED
Max. magnetic bar (L x Ø)	30 – 80 mm
Safety circuit	100 – 650 °C
Control accuracy with sensor	PT 1000 / ± 0,5K
Heating plate material	ceramic
Set-up plate dimensions	180 x 180 mm
Weight	4 kg

€ 899,00



reddot award 2017  
winner



**High-quality Fast Response Display**, showing relevant parameters at a glance.



**Hardened glass** for maximum visibility and chemical resistance.



**USB / RS 232 interfaces** to connect to a PC.

## /// Multiposition stirrers with heating function

### TECHNICAL DATA

/// Comparison

	<b>RT 5</b> Ident. No. 0003690600	<b>RT 10</b> Ident. No. 0003691100
Number of stirring positions	5	10
Max. stirring quantity (H <sub>2</sub> O)	0,4 l	0,4 l
Distance between stirring places	90 mm	90 mm
Deviation for individual stirring positions	0 %	0 %
Speed display	LED	LED
Speed range	0 – 1.000 rpm	0 – 1.000 rpm
Speed adjustment	10 rpm steps	10 rpm steps
Heat output	175 W	375 W
Temperature range	RT – 120 °C	RT – 120 °C
Max. temperature medium (dep. on vessel)	70 °C	70 °C
Heating plate material	aluminum alloy	aluminum alloy
Set-up plate dimensions	110 × 495 mm	180 × 495 mm
Dimensions (W × D × H)	120 × 610 × 60 mm	190 × 610 × 60 mm
Weight	4 kg	7,5 kg
	<b>€ 2.249,00</b>	<b>€ 2.999,00</b>



### RT 15

Ident. No. 0003692600

Number of stirring positions	15
Max. stirring quantity (H <sub>2</sub> O)	0,4 l
Distance between stirring places	90 mm
Deviation for individual stirring positions	0 %
Speed display	LED
Speed range	0 – 1.000 rpm
Speed adjustment	10 rpm steps
Heat output	580 W
Temperature range	RT – 120 °C
Max. temperature medium (dep. on vessel)	70 °C
Heating plate material	aluminum alloy
Set-up plate dimensions	270 × 495 mm
Dimensions (W × D × H)	280 × 610 × 60 mm
Weight	10,5 kg
	<b>€ 3.749,00</b>

### RT 15



Heating foil for homogeneous **temperature distribution** of the heating plate.



**Reverse rotation** switch for better mixing results.



**Wear-free magnetic coils** for consistent and silent operation.



**ECO Mode** for reduced self-heating.



## /// Multiposition stirrers without heating function

### TECHNICAL DATA /// Comparison

	<b>RO 5</b> Ident. No. 0003690500	<b>RO 10</b> Ident. No. 0003691000
Number of stirring positions	5	10
Max. stirring quantity (H <sub>2</sub> O)	0,4 l	0,4 l
Distance between stirring places	90 mm	90 mm
Deviation for individual stirring positions	0 %	0 %
Speed display	LED	LED
Speed range	0 – 1.200 rpm	0 – 1.200 rpm
Speed adjustment	10 rpm steps	10 rpm steps
Heating plate material	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	120 × 470 mm	190 × 470 mm
Dimensions (W × D × H)	120 × 570 × 60 mm	190 × 570 × 60 mm
Weight	3 kg	5 kg
	<b>€ 1.249,00</b>	<b>€ 1.399,00</b>



### **RO 15** Ident. No. 0003692500

15
0,4 l
90 mm
0 %
LED
0 – 1.200 rpm
10 rpm steps
stainless steel 1.4301
280 × 470 mm
280 × 570 × 60 mm
7 kg
<b>€ 1.949,00</b>

### **RO 15**

- › adjustable rotation reversal
- › ECO Mode for reduced self-heating
- › frictionless magnetic coil drive
- › error code display
- › touch-keypad for easy operation
- › suitable for continuous operation
- › speed range: 0 – 1.200 rpm












## /// Stirrers without heating function

### TECHNICAL DATA /// Comparison





	color squid	big squid
Max. stirring quantity (H <sub>2</sub> O)	1 l	1,5 l
Speed range	0 – 2.500 rpm	0 – 2.500 rpm
Speed display	LED	LED
Max. magnetic bar (L x Ø)	30 mm	30 mm
Speed adjustment	50 rpm steps	50 rpm steps
Heating 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	185 x 205 x 45 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
	<b>€ 249,00</b>	<b>€ 274,00</b>



### color squid

-  Ident. No. 0003671000 white
-  Ident. No. 0003698200 zebra
-  Ident. No. 0003698300 bubbles
-  Ident. No. 0003698400 wave
-  Ident. No. 0004175500 seleção
-  Ident. No. 0004175300 solar sphere
-  Ident. No. 0004175100 stars and stripes
-  Ident. No. 0004175200 union Jack
-  Ident. No. 0004175400 red flag

### big squid

-  Ident. No. 0003672000 white
-  Ident. No. 0003857200 frozen
-  Ident. No. 0003857100 leaves
-  Ident. No. 0003857300 twist

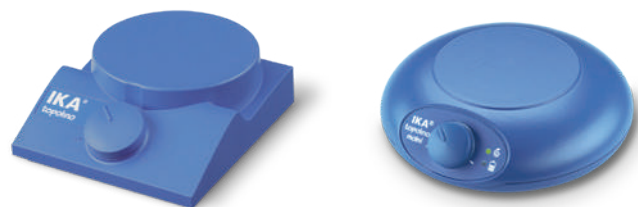


## /// Stirrers without heating function

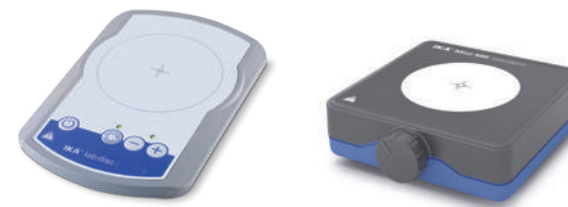
### TECHNICAL DATA

/// Comparison

	<b>topolino</b> Ident. No. 0003368000	<b>topolino mobil</b> Ident. No. 0003381300
Max. stirring quantity (H <sub>2</sub> O)	0,25 l	0,25 l
Speed range	300 – 1.800 rpm	300 – 1.800 rpm
Max. magnetic bar (L × Ø)	30 mm	30 mm
Speed adjustment	stepless	stepless
Heating plate material	synthetic (PP)	synthetic (PP)
Set-up plate dimensions	Ø 80 mm	Ø 80 mm
Dimensions (W × D × H)	95 × 115 × 37 mm	Ø 140 × 42 mm
Weight	0,32 kg	0,60 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 21	IP 20
Voltage	100 – 240 V	100 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 105,00</b>	<b>€ 212,00</b>



	<b>lab disc</b> Ident. No. 0003907500 white	<b>Mini MR standard</b> Ident. No. 0025004132
Max. stirring quantity (H <sub>2</sub> O)	0,8 l	1 l
Speed range	15 – 1.500 rpm	0 – 2.500 rpm
Max. magnetic bar (L × Ø)	25 mm	40 mm
Speed adjustment	stepless	dial control
Heating plate material	polyester	polyester
Set-up plate dimensions	Ø 100 mm	115 × 115 mm
Dimensions (W × D × H)	117 × 180 × 12 mm	115 × 129 × 37 mm
Weight	0,3 kg	0,25 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 65	IP 42
Voltage	100 – 240 V	100 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 272,00</b>	<b>€ 210,00</b>



### lab disc

Ident. No. 0003765000 pattern



Ident. No. 0003916100 stream



- › set-up plate and casing made of chemically resistant materials
- › slip-proof and safestand



## /// Stirrers without heating function

### TECHNICAL DATA /// Comparison

#### KMO 3 basic Ident. No. 0020004631

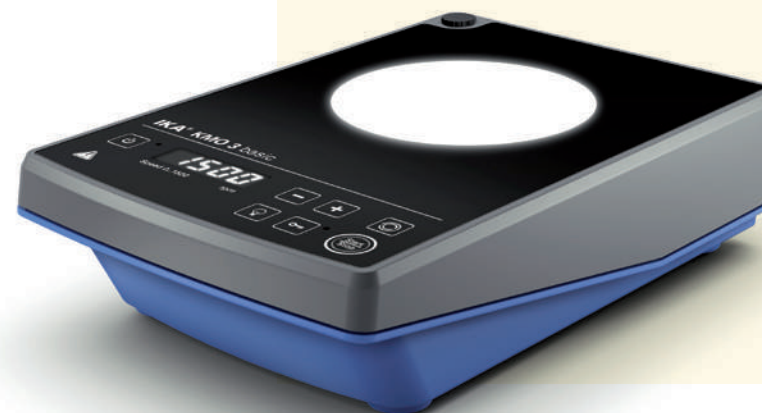
Max. stirring quantity (H <sub>2</sub> O)	5 l
Speed range	10 – 1.500 rpm
Speed display	LED
Max. magnetic bar (L x Ø)	80 mm
Speed adjustment	10 rpm steps
Heating plate material	glass
Set-up plate dimensions	140 x 120 mm
Dimensions (W x D x H)	135 x 227 x 62,5 mm
Weight	1,2 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 42
Voltage	100 – 240 V
Frequency	50 / 60 Hz

€ 799,00

NEW!

#### KMO 3 basic

- › high-quality **fast response display**
- › hardened glass set-up plate
- › USB interfaces
- › **speed display**
- › illuminated display
- › right and left rotation





## /// Stirrers without heating function

### TECHNICAL DATA

/// Comparison

	<b>Midi MR 1 digital</b> Ident. No. 0025002968	<b>Maxi MR 1 digital</b> Ident. No. 0025002978
Max. stirring quantity (H <sub>2</sub> O)	50 l	150 l
Speed range	0 – 1.000 rpm	0 – 600 rpm
Max. magnetic bar (L × Ø)	80 mm	155 mm
Heating plate material	stainless steel 1.4301	stainless steel 1.4301
Set-up plate dimensions	350 × 350 mm	500 × 500 mm
Dimensions (W × D × H)	360 × 430 × 110 mm	1.505 × 585 × 110 mm
Weight	10,7 kg	16 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 21	IP 21
Voltage	230 V	230 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 2.999,00</b>	<b>€ 3.299,00</b>

#### Midi MR 1 digital

- › flat, stable stainless steel housing
- › stall-proof motor
- › stepless speed adjustment
- › digital LED speed display
- › timer 0 – 56 min with continuous operation setting
- › integrated USB and RS 232 interfaces
- › stirring quantity (H<sub>2</sub>O) up to 50 liters

#### Maxi MR 1 digital

- › flat, stable stainless steel housing
- › stall-proof motor
- › stepless speed adjustment
- › digital LED speed display
- › timer 0 – 56 min with continuous operation setting
- › stirring quantity (H<sub>2</sub>O) up to 150 liters
- › integrated USB and RS 232 interfaces



## /// Stirrers without heating function

### TECHNICAL DATA /// Comparison

	<b>C-MAG MS 4</b> Ident. No. 0003582200	<b>C-MAG MS 7</b> Ident. No. 0003582400
Max. stirring quantity (H <sub>2</sub> O)	5 l	10 l
Speed range	100 – 1.500 rpm	100 – 1.500 rpm
Max. magnetic bar (L x Ø)	30 mm	80 mm
Heating plate material	ceramic	ceramic
Set-up plate dimensions	100 x 100 mm	180 x 180 mm
Dimensions (W x D x H)	150 x 260 x 105 mm	220 x 330 x 105 mm
Weight	3 kg	5 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 21	IP 21
Voltage	230 V	230 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 465,00</b>	<b>€ 543,00</b>



### **C-MAG MS 10** Ident. No. 0003582600

Max. stirring quantity (H <sub>2</sub> O)	15 l
Speed range	100 – 1.500 rpm
Max. magnetic bar (L x Ø)	80 mm
Heating plate material	ceramic
Set-up plate dimensions	260 x 260 mm
Dimensions (W x D x H)	300 x 415 x 105 mm
Weight	6 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 21
Voltage	230 V
Frequency	50 / 60 Hz
	<b>€ 699,00</b>

### **C-MAG MS 10**



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



**Elevated control panel** for protection against spilled liquids.



**Ceramic top** offers excellent chemical resistance to acid, bases and solvents.



## /// Magnetic stirrers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Electronic contact thermometers</b>		
①	ETS-D5 Ident. No. 0003378000 Electronic contact thermometer, -50 – 450 °C, 0.1 K resolution	€ 329,00
②	ETS-D6 Ident. No. 0003378100 Electronic contact thermometer, similar to ETS-D5, additionally comes equipped with integrated pH measuring instrument (without pH electrode)	€ 468,00
<b>Temperature sensors for ETS-D5 / D6</b>		
③	H 67.60 Ident. No. 0025000215 Temperature sensor, stainless steel, max. Temp: 400 °C response time: t 0,9 = 10 s	€ 114,00
	H 67.61 Ident. No. 0020003865 Temperature sensor, stainless steel, max. Temp: 290 °C response time: t 0,9 = 4 s	€ 172,00
	H 66.53 Ident. No. 0004499900 Temperature sensor, coated with SafeCoat	€ 211,00
<b>ETS-D5 / D6 accessories</b>		
④	H 70 Ident. No. 0002735600 Extension cable, 1 m	€ 164,00



### TEMPERATURE SENSOR /// Compatibility / Included

	H 62.51	H 66.51	H 66.53	H 67.60	H 67.61	
ETS D5	L	x	x	x	x	
ETS D6	L	x	x	x	x	
	<b>PT 100.51</b>	<b>PT 100.53</b>	<b>PT 100.70</b>	<b>PT 1000.50</b>	<b>PT 1000.51</b>	<b>PT 1000.53</b>
RET control	x	x		x	x	x
RET control - visc	x	x	L	x	x	x
	<b>PT 1000.60</b>	<b>PT 1000.70</b>	<b>PT 1000.80</b>	<b>PT 1000.90</b>	<b>ETS-D5</b>	<b>ETS-D6</b>
RH basic					x	x
RH digital					x	x
RCT basic	L	x	x	x	x	x
RCT digital	L	x	x	x	x	x
RET basic	L	x	x	x	x	x
C-MAG HS / HP analog series					x	x
C-MAG HS digital series	L	x	x	x		

x = compatible  
L = included



## /// Magnetic stirrers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Temperature sensors for RCT / RET basic and C-MAG HS digital series</b>		
⑤	PT 1000.60 Ident. No. 0003516800 Temperature sensor, stainless steel, Ø 3 mm, 230 mm length	€ 112,00
⑥	PT 1000.70 Ident. No. 0003736000 Temperature sensor, stainless steel glass-coated, Ø 7 mm, 230 mm length	€ 123,00
	PT 1000.80 Ident. No. 0004443000 Temperature sensor, stainless steel, Ø 3 mm, 150 mm length	€ 118,00
⑦	PT 1000.90 Ident. No. 0004480600 Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length	€ 157,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Temperature sensors for RET control-visc</b>		
	PT 100.51 Ident. No. 0002600300 Temperature sensor, stainless steel, glass-coated, Ø 8 mm, 230 mm length	€ 245,00
⑧	PT 100.53 Ident. No. 0004499700 Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm, 230 mm length	€ 251,00
	PT 100.70 Ident. No. 0020000440 Temperature sensor, stainless steel, Ø 3 mm, 230 mm length	€ 107,00
	PT 1000.50 Ident. No. 0003367600 Temperature sensor, dual, stainless steel, Ø 3 mm, 230 mm length	€ 245,00
⑨	PT 1000.51 Ident. No. 0003377700 Temperature sensor, dual, stainless steel, glass-coated, Ø 8 mm, 230 mm length	€ 284,00



## /// Magnetic stirrers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Oil bath attachments</b>		
①	H 29 Ident. No. 0002829400 Oil bath attachment, 1 l, aluminum, inner Ø 136 – 180 mm, 81 mm height, for use with oil only	€ 189,00
	H 30 Ident. No. 0002829500 Oil bath attachment, 1,5 l, aluminum, inner Ø 136 – 190 mm, 110 mm height, for use with oil only	€ 209,00
<b>Pots</b>		
②	H 1000 Ident. No. 0004444401 Pot, stainless steel, 1 l, inner Ø 160 mm, 79 mm height	€ 319,00
③	H 1500 Ident. No. 0004444501 Pot, stainless steel, 1,5 l, inner Ø 140 mm, 160 mm height	€ 329,00
④	H 3000 Ident. No. 0004444503 Pot, stainless steel, 3 l, inner Ø 180 mm, 119 mm height	€ 339,00
⑤	H 5000 Ident. No. 0004444505 Pot, stainless steel, 5 l, inner Ø 220 mm, 142 mm height	€ 399,00

### Benefits stainless steel pots

- › no eddy current losses
- › high magnetic adhesion force
- › very good heat transfer  
(3 l pot and up: due to a round deepening area for fitting heating plates with Ø 135 mm)



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Protective covers</b>		
⑥	H 102 Ident. No. 0004281600 Cover for RH basic	€ 15,00
⑦	H 103 Ident. No. 0004299100 Cover for RH digital	€ 15,00
⑧	H 100 Ident. No. 0003661000 Cover for RET basic and RCT basic	€ 15,00
⑨	H 104 Ident. No. 0004209500 Cover for RET control-visc	€ 15,00
<b>Other accessories</b>		
⑩	H 11 Ident. No. 0001091500 Euro plug, Mains cable, spare	€ 27,00
	H 11 Ident. No. 0003564500 USA plug, Mains cable, spare	€ 27,00
	H 11 Ident. No. 0002410700 UK plug, Mains cable, spare	€ 27,00
	H 11 Ident. No. 0001091600 CH plug, Mains cable, spare	€ 27,00



## /// Magnetic stirrers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Other accessories</b>		
⑪	H 16 V Ident. No. 0001545100	Support rod, Ø 10 mm, 450 mm length <b>€ 57,00</b>
⑫	H 16.3 Ident. No. 0025000622	Extension for support rod <b>€ 15,00</b>
⑬	H 44 Ident. No. 0002437700	Boss head clamp <b>€ 25,00</b>
⑭	H 38 Ident. No. 0003547700	Support rod <b>€ 25,00</b>
⑮	HG 600 Ident. No. 0020003416	Heating jacket for 600 ml beaker <b>€ 114,00</b>
⑯	HG 1000 Ident. No. 0020003415	Heating jacket for 1.000 ml beaker <b>€ 149,00</b>
⑰	BC 1000 Ident. No. 0020003417	Beaker cap <b>€ 11,00</b>
⑱	C-MAG adapter Ident. No. 0025001022	Heating block adapter for C-MAG 7 and 10 <b>€ 149,00</b>
⑲	WiCo RET control-visc Ident. No. 0020007259	Wireless remote control <b>€ 549,00</b>



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Stir bars</b>		
⑳	RS 1 Ident. No. 0001358600	Consisting of IKAFLON® (10 – 80 mm) and TRIKA® (25 and 40 mm) magnetic stir bars <b>€ 99,00</b>
㉑	RS 2 Ident. No. 0004499100	Consisting of IKAFLON® 40 round, 40 glass, 30 power, 40 slide round, 40 ellipse, 40 TRIKA®, 25 cross, 9 crown and 25 bone magnetic stir bars <b>€ 113,00</b>
㉒	RSE Ident. No. 0001293100	Stir bar remover <b>€ 63,00</b>



## /// Magnetic stirrers | Accessories

### SYNTHESIS BLOCKS /// Material: aluminum anodized

	Description	Hole Ø, dimensions	Price
<b>Dry heating block square series</b>			
①	H 135.10 Ident. No. 0025000832	Square carrier without handle 160 × 160 mm	€ 119,00
②	H 135.11 Ident. No. 0004448200	Square carrier with handle 160 × 160 mm	€ 219,00
	H 135.101 Ident. No. 0025000626	Block 16 × 4 ml 15,2 mm, 79 × 79 mm	€ 59,00
	H 135.102 Ident. No. 0025000627	Block 16 × 8 ml 17,5 mm, 79 × 79 mm	€ 59,00
③	H 135.103 Ident. No. 0025000628	Block 9 × 16 ml 20,5 mm, 79 × 79 mm	€ 59,00
④	H 135.104 Ident. No. 0025000629	Block 4 × 20 ml 28,5 mm, 79 × 79 mm	€ 59,00
	H 135.105 Ident. No. 0025000630	Block 4 × 30 ml 28,5 mm, 79 × 79 mm	€ 59,00
⑤	H 135.106 Ident. No. 0025000631	Block 4 × 40 ml 28,5 mm, 79 × 79 mm	€ 59,00
	H 135.107 Ident. No. 0025000632	Block 100 ml 79 × 79 mm	€ 59,00
⑥	H 135.108 Ident. No. 0025000633	Block 250 ml 79 × 79 mm	€ 59,00



### SYNTHESIS BLOCKS /// Material: aluminum anodized

	Description	Max. outer Ø, inner Ø	Price
<b>100 ml flask heating block series</b>			
⑦	H 135.20 Ident. No. 0025000634	Flask carrier 100 ml without handle 142 mm –	€ 105,00
⑧	H 135.21 Ident. No. 0004448300	Flask carrier 100 ml with handle 142 mm –	€ 205,00
	H 135.201 Ident. No. 0025000636	Flask inlay 10 ml – 33,8 mm	€ 49,00
	H 135.202 Ident. No. 0025000637	Flask inlay 25 ml – 43,8 mm	€ 49,00
	H 135.203 Ident. No. 0025000638	Flask inlay 50 ml – 52,8 mm	€ 49,00





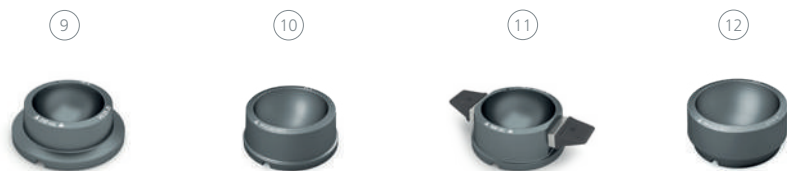
## /// Magnetic stirrers | Accessories

### SYNTHESIS BLOCKS /// Material: aluminum anodized

	Description	Max. outer Ø, inner Ø	Price
<b>250 ml flask heating block series</b>			
⑨	H 135.25 Ident. No. 0025003280	Flask carrier 250 ml without handle 142 mm –	€ 129,00
	H 135.26 Ident. No. 0020007954	Flask carrier 250 ml with handle 142 mm –	€ 229,00
<b>500 ml flask heating block series</b>			
⑩	H 135.30 Ident. No. 0025000639	Flask carrier 500 ml without handle 142 mm –	€ 139,00
⑪	H 135.31 Ident. No. 0004448400	Flask carrier 500 ml with handle 142 mm –	€ 239,00
	H 135.301 Ident. No. 0025000641	Flask inlay 100 ml – 66,3 mm	€ 59,00
	H 135.302 Ident. No. 0025000642	Flask inlay 250 ml – 88 mm	€ 59,00

### SYNTHESIS BLOCKS /// Material: aluminum anodized

	Description	Max. outer Ø, inner Ø	Price
<b>1.000 ml flask heating block series</b>			
⑫	H 135.40 Ident. No. 0025000833	Flask carrier 1.000 ml without handle 166,3 mm –	€ 179,00
⑬	H 135.41 Ident. No. 0004448500	Flask carrier 1.000 ml with handle 166,3 mm –	€ 279,00
⑭	H 135.401 Ident. No. 0025000644	Flask inlay 500 ml – 108 mm	€ 99,00
<b>2.000 ml flask heating block series</b>			
⑮	H 135.50 Ident. No. 0025000834	Flask carrier 2.000 ml without handle 194,7 mm –	€ 249,00
⑯	H 135.51 Ident. No. 0004448600	Flask carrier 2.000 ml with handle 194,7 mm –	€ 349,00
	H 135.501 Ident. No. 0025000645	Flask inlay 1.000 ml – 131,8 mm	€ 149,00



## /// Magnetic stirrers | Accessories

### STIR BARS /// Comparison

	Description	Dimensions (L × Ø)	Price
	<b>IKAFLON® round</b>		
IKAFLON® 10 Set (5 Pcs) Ident. No. 0004488600	round, PTFE-coated	10 × 6 mm	<b>€ 7,00</b>
IKAFLON® 15 Set (5 Pcs) Ident. No. 0004488700	round, PTFE-coated	15 × 6 mm	<b>€ 8,00</b>
IKAFLON® 20 Set (5 Pcs) Ident. No. 0004488800	round, PTFE-coated	20 × 8 mm	<b>€ 9,00</b>
IKAFLON® 25 Set (5 Pcs) Ident. No. 0004488900	round, PTFE-coated	25 × 8 mm	<b>€ 11,00</b>
IKAFLON® 30 Set (5 Pcs) Ident. No. 0004489000	round, PTFE-coated	30 × 8 mm	<b>€ 12,00</b>
IKAFLON® 40 Set (5 Pcs) Ident. No. 0004489100	round, PTFE-coated	40 × 8 mm	<b>€ 12,00</b>
IKAFLON® 50 Set (5 Pcs) Ident. No. 0004489200	round, PTFE-coated	50 × 8 mm	<b>€ 14,00</b>
IKAFLON® 80 Set (5 Pcs) Ident. No. 0004489300	round, PTFE-coated	80 × 10 mm	<b>€ 33,00</b>
IKAFLON® 110 Ident. No. 0000793300	round, PTFE-coated*	108 × 27 mm	<b>€ 284,00</b>
IKAFLON® 155 Ident. No. 0001129000	round, PTFE-coated*	153 × 27 mm	<b>€ 379,00</b>

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

\* The admissible temperature range for PTFE-coated stirring bars is -200 – 280 °C.

### STIR BARS /// Comparison

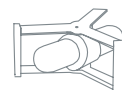
	Description	Dimensions (L × Ø)	Price
	<b>IKAFLON® glass round</b>		
IKAFLON®glass 25 Set (5 Pcs) Ident. No. 0004492200	round	25 × 6 mm	<b>€ 18,00</b>
IKAFLON®glass 40 Set (5 Pcs) Ident. No. 0004492600	round	45 × 8 mm	<b>€ 22,00</b>
IKAFLON®glass 50 Set (5 Pcs) Ident. No. 0004492800	round	50 × 8 mm	<b>€ 24,00</b>
	<b>IKAFLON® power</b>		
IKAFLON® 20 Set (5 Pcs) Ident. No. 0004493000	power, PTFE-coated	20 × 6 mm	<b>€ 22,00</b>
IKAFLON® 30 Set (5 Pcs) Ident. No. 0004493200	power, PTFE-coated	30 × 6 mm	<b>€ 33,00</b>
IKAFLON® 50 Set (5 Pcs) Ident. No. 0004493400	power, PTFE-coated	50 × 8 mm	<b>€ 41,00</b>
	<b>IKAFLON® slide round</b>		
IKAFLON® 25 Set (5 Pcs) Ident. No. 0004493800	slide round, PTFE-coated	25 × 6 mm	<b>€ 9,00</b>
IKAFLON® 30 Set (5 Pcs) Ident. No. 0004494000	slide round, PTFE-coated	30 × 6 mm	<b>€ 10,00</b>
IKAFLON® 40 Set (5 Pcs) Ident. No. 0004494200	slide round, PTFE-coated	40 × 8 mm	<b>€ 17,00</b>
IKAFLON® 50 Set (5 Pcs) Ident. No. 0004494400	slide round, PTFE-coated	50 × 8 mm	<b>€ 20,00</b>

## /// Magnetic stirrers | Accessories



### STIR BARS /// Comparison

	Description	Dimensions (L x Ø)	Price
	<b>IKAFLON® ellipse</b>		
IKAFLON® 20 Set (5 Pcs) Ident. No. 0004494600	ellipse, PTFE-coated	20 x 10 mm	<b>€ 15,00</b>
IKAFLON® 25 Set (5 Pcs) Ident. No. 0004494800	ellipse, PTFE-coated	25 x 12 mm	<b>€ 16,00</b>
IKAFLON® 30 Set (5 Pcs) Ident. No. 0004495000	ellipse, PTFE-coated	32 x 16 mm	<b>€ 22,00</b>
IKAFLON® 35 Set (5 Pcs) Ident. No. 0004495200	ellipse, PTFE-coated	35 x 15 mm	<b>€ 28,00</b>
IKAFLON® 40 Set (5 Pcs) Ident. No. 0004495400	ellipse, PTFE-coated	40 x 20 mm	<b>€ 35,00</b>
IKAFLON® 50 Set (5 Pcs) Ident. No. 0004495600	ellipse, PTFE-coated	50 x 20 mm	<b>€ 50,00</b>
IKAFLON® 70 Set (5 Pcs) Ident. No. 0004496000	ellipse, PTFE-coated	70 x 20 mm	<b>€ 89,00</b>
	<b>IKAFLON® cross</b>		
IKAFLON® 10 Set (5 Pcs) Ident. No. 0004496200	cross, PTFE-coated	10 x 10 mm	<b>€ 13,00</b>
IKAFLON® 20 Set (5 Pcs) Ident. No. 0004496400	cross, PTFE-coated	20 x 20 mm	<b>€ 16,00</b>
IKAFLON® 25 Set (5 Pcs) Ident. No. 0004496600	cross, PTFE-coated	25 x 25 mm	<b>€ 19,00</b>
IKAFLON® 30 Set (5 Pcs) Ident. No. 0004496800	cross, PTFE-coated	30 x 30 mm	<b>€ 24,00</b>
IKAFLON® 38 Set (5 Pcs) Ident. No. 0004497000	cross, PTFE-coated	38 x 38 mm	<b>€ 30,00</b>



### STIR BARS /// Comparison

	Description	Dimensions (L x Ø)	Price
	<b>IKAFLON® bone</b>		
IKAFLON® 37 Set (5 Pcs) Ident. No. 0004497200	bone, PTFE-coated	35 x 8 x 20 mm	<b>€ 45,00</b>
IKAFLON® 54 Set (5 Pcs) Ident. No. 0004497400	bone, PTFE-coated	55 x 8 x 20 mm	<b>€ 54,00</b>
	<b>TRIKA®</b>		
TRIKA® 25 Set (5 Pcs) Ident. No. 0004499300	PTFE-coated	25 x 8 mm	<b>€ 10,00</b>
TRIKA® 35 Set (5 Pcs) Ident. No. 0004499400	PTFE-coated	35 x 9 mm	<b>€ 16,00</b>
TRIKA® 55 Set (5 Pcs) Ident. No. 0004499500	PTFE-coated	55 x 14 mm	<b>€ 25,00</b>
TRIKA® 80 Set (5 Pcs) Ident. No. 0004499600	PTFE-coated	80 x 17 mm	<b>€ 36,00</b>
	<b>IKAFLON® beaker</b>	<b>Ø x height in mm</b>	
IKAFLON® 74 Ident. No. 0004497800	beaker, PTFE-coated	74 x 29 mm	<b>€ 262,00</b>
	<b>IKAFLON® crown</b>		
IKAFLON® 9 Set (5 Pcs) Ident. No. 0004498400	crown, PTFE-coated	9 x 6 mm	<b>€ 10,00</b>

# Mixing

/// Overhead stirrers

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

LIFETIME WARRANTY!\*

- Clear Display** The first stirrers with a **clear display** that shows all information at a glance.
- Intuitive, touch-sensitive screen** for easy handling and long service life.
- Hardened glass** for maximum visibility and chemical resistance.
- State-of-the-art vibration sensors** detect deviations from permissible thresholds and automatically stop the process.

## MICROSTAR 7.5 control

Ident. No. 0025001984  
**€ 1.049,00**



\* Only MICROSTAR and MINISTAR series.

# IKA stirrers – Overview

/// Space-savers to high-performance specialists

Compact and brandnew – IKA MICROSTAR and IKA MINISTAR stirrers require up to 85 % less space than the models of the IKA EUROSTAR line while maintaining the same high performance.



The Lightweight | The Youngster | The Strong

The Fast One | The Universal | The Power Pack



The Beginner

The Compact Power

The Unique Clockwise and Counter Clockwise



The All-Rounder

The High-Performer

The Speedster

The Powerhouse

The Star Performer

## /// IKA MICROSTAR series

Developed as a high-tech mixer with **exceptionally compact** size and state-of-the-art technology for special applications. Combines powerful performance with perfection in every detail in the smallest possible space and offers a lifetime warranty. See for yourself:

### TECHNICAL DATA

/// Comparison

	<b>MICROSTAR 7.5 control</b> Ident. No. 0025001984	<b>MICROSTAR 15 control</b> Ident. No. 0025001986
Max. stirring quantity (H <sub>2</sub> O)	5 l	10 l
Viscosity max.	4.000 mPas	8.000 mPas
Motor rating input / output	32 / 15,7 W	32 / 15,7 W
Permissible ON time	100 %	100 %
Speed range	0 / 30 – 2.000 rpm	0 / 30 – 1.000 rpm
Max. torque at stirringshaft	7,5 Ncm	15 Ncm
Display	LCD	LCD
Temperature sensor connection	yes	yes
Chuck range	0,5 – 8 mm	0,5 – 8 mm
Hollow shaft inner	Ø 8,5 mm	Ø 8,5 mm
Dimensions (W x D x H)	60 x 123 x 110 mm	60 x 123 x 110 mm
Weight	1,18 kg	1,26 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

€ 1.049,00

€ 1.109,00



The Lightweight



The Youngster

### MICROSTAR 30 control

Ident. No. 0025001987

20 l
20.000 mPas
32 / 15,7 W
100 %
0 / 30 – 500 rpm
30 Ncm
LCD
yes
0,5 – 8 mm
Ø 8,5 mm
60 x 123 x 110 mm
1,26 kg
5 – 40 °C
80 %
IP 54

€ 1.149,00



The Strong One



### MICROSTAR series

- › **temperature and torque trend measurement** with on-screen display
- › **chemical-resistant** housing
- › **key-lock** button



## /// IKA MINISTAR series

Developed as a high-tech mixer with **compact size** and state-of-the-art technology for special applications. Combines powerful performance with perfection in every detail in the smallest possible space and offers a lifetime warranty. See for yourself:



### TECHNICAL DATA

/// Comparison

	<b>MINISTAR 20 control</b> Ident. No. 0025001988	<b>MINISTAR 40 control</b> Ident. No. 0025001989
Max. stirring quantity (H <sub>2</sub> O)	15 l	25 l
Viscosity max.	10.000 mPas	30.000 mPas
Motor rating input / output	69 / 42 W	69 / 42 W
Permissible ON time	100 %	100 %
Speed range	0 / 50 – 2.000 rpm	0 / 30 – 1.000 rpm
Max. torque at stirringshaft	20 Ncm	40 Ncm
Display	LCD	LCD
Temperature sensor connection	yes	yes
Chuck range	0,5 – 8 mm	0,5 – 8 mm
Hollow shaft inner	Ø 8,5 mm	Ø 8,5 mm
Dimensions (W × D × H)	70 × 144 × 130 mm	70 × 144 × 130 mm
Weight	1,56 kg	1,72 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

€ 1.109,00

€ 1.209,00

### **MINISTAR 80 control** Ident. No. 0025001990

Max. stirring quantity (H <sub>2</sub> O)	50 l
Viscosity max.	60.000 mPas
Motor rating input / output	69 / 42 W
Permissible ON time	100 %
Speed range	0 / 30 – 500 rpm
Max. torque at stirringshaft	80 Ncm
Display	LCD
Temperature sensor connection	yes
Chuck range	0,5 – 8 mm
Hollow shaft inner	Ø 8,5 mm
Dimensions (W × D × H)	70 × 144 × 130 mm
Weight	1,72 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 54

€ 1.309,00

BESTSELLER!



The Power Pack

### MINISTAR series

- › **temperature and torque trend measurement** with on-screen display
- › **chemical-resistant** housing
- › **key-lock button**



The Fast One

The Universal

## /// Electronic Overhead stirrers

BESTSELLER!

### TECHNICAL DATA /// Comparison

	<b>EUROSTAR 20 digital</b> Ident. No. 0004442000	<b>EUROSTAR 40 digital</b> Ident. No. 0004444000
Max. stirring quantity (H <sub>2</sub> O)	15 l	25 l
Viscosity max.	10.000 mPas	30.000 mPas
Motor rating input / output	70 / 42 W	118 / 84 W
Speed range	0 / 30 – 2.000 rpm	0 / 30 – 2.000 rpm
Max. torque at stirringshaft	20 Ncm	40 Ncm
Temperature sensor connection	no	no
Chuck range	0,5 – 10 mm	0,5 – 10 mm
Dimensions (W × D × H)	86 × 208 × 248 mm	86 × 208 × 248 mm
Weight	4,4 kg	4,4 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 42	IP 42
	<b>€ 899,00</b>	<b>€ 1.199,00</b>

	<b>EUROSTAR 60 digital   control</b> Ident. No. 0004446000   0004440000*	<b>EUROSTAR 100 digital   control</b> Ident. No. 0004238100   0004028500*
	40 l	100 l
	50.000 mPas	70.000 mPas
	176 / 126 W   168 / 131 W	186 / 136 W   174 / 142 W
	0 / 30 – 2.000 rpm	0 / 30 – 1.300 rpm
	60 Ncm	100 Ncm
	no   PT 1000	no   PT 1000
	0,5 – 10 mm	0,5 – 10 mm
	86 × 208 × 248 mm   86 × 230 × 267 mm	86 × 208 × 248 mm   86 × 230 × 267 mm
	4,4 kg   4,7 kg	4,4 kg   4,7 kg
	5 – 40 °C	5 – 40 °C
	80 %	80 %
	IP 42   IP 40	IP 42   IP 40
	<b>€ 1.299,00   € 1.799,00</b>	<b>€ 1.899,00   € 2.299,00</b>

\* H 67.60 temperature sensor and WH 11 WiCo holder included in the delivery of all EUROSTAR control devices.

The Beginner

The Beginner

The Compact Power

The Unique Clockwise and Counter Clockwise Rotation



reddot design award  
winner 2012





## /// Electronic Overhead stirrers

### TECHNICAL DATA /// Comparison

	<b>EUROSTAR 200 digital   control</b> Ident. No. 0003990000   0003992000*	<b>EUROSTAR 400 digital   control</b> Ident. No. 0004214000   0004214100*
Max. stirring quantity (H <sub>2</sub> O)	100 l	150 l
Viscosity max.	100.000 mPas	100.000 mPas
Motor rating input / output	130 / 84 W	220 / 176 W
Speed range	0 / 6 – 2.000 rpm	0 / 6 – 2.000 rpm
Max. torque at stirringshaft	200 Ncm	400 Ncm
Temperature sensor connection	no   PT 1000	no   PT 1000
Chuck range	0,5 – 10 mm	0,5 – 10 mm
Dimensions (W x D x H)	91 x 209 x 274 mm   91 x 231 x 297 mm	114 x 245 x 300 mm   114 x 268 x 320 mm
Weight	4,6 kg   4,9 kg	7,8 kg   8,2 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 42   IP 40	IP 42   IP 40
	<b>€ 2.399,00   € 2.699,00</b>	<b>€ 2.899,00   € 3.299,00</b>

### **EUROSTAR 20 high speed digital | control** Ident. No. 0004028600 | 0025001314\*

20 l
10.000 mPas
176 / 125 W
0 / 150 – 6.000 rpm
20 Ncm
no   PT 1000
0,5 – 10 mm
86 x 208 x 325 mm   86 x 230 x 325 mm
5,3 kg   4,7 kg
5 – 40 °C
80 %
IP 42   IP 40
<b>€ 1.699,00   € 2.299,00</b>

**OVERLOAD  
PROTECTION!**

**All IKA stirrer are equipped  
with an overload protection.**  
Up to 10 minutes of dual torque.

\* H 67.60 temperature sensor  
and WH 11 WiCo holder  
included in the delivery of all  
EUROSTAR control devices.



**TECHNICAL DATA**  
/// Comparison

	<b>EUROSTAR 100 control P4</b> Ident. No. 0025004384	<b>EUROSTAR 200 control P4</b> Ident. No. 0004090000
Max. stirring quantity (H <sub>2</sub> O)	100 l	100 l
Viscosity max.	100.000 mPas	150.000 mPas
Motor rating input / output	174 / 142 W	134 / 76 W
Speed range	10 – 300 rpm	0 / 4 – 530 rpm
Max. torque at stirringshaft	320 Ncm	660 Ncm
Temperature sensor connection	PT 1000	PT 1000
Chuck range	0,5 – 10 mm	0,5 – 10 mm
Dimensions (W × D × H)	86 × 230 × 352 mm	91 × 231 × 379 mm
Weight	5,2 kg	5,8 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 40	IP 40
	<b>€ 3.249,00</b>	<b>€ 3.649,00</b>

**EUROSTAR 100 CONTROL P4**

- › clockwise/counter-clockwise rotation
- › high torque



The Powerhouse

The Star Performer



## /// Mechanical overhead stirrers

### TECHNICAL DATA /// Comparison

	<b>RW 20 digital</b> Ident. No. 0003593000	<b>RW 28 digital</b> Ident. No. 0005040000
Max. stirring quantity (H <sub>2</sub> O)	20 l	80 l
Viscosity max.	10.000 mPas	50.000 mPas
Motor rating input / output	70 / 35 W	220 / 90 W
Permissible ON time	100 %	100 %
Speed range	60 – 2.000 rpm (50 Hz)	60 – 1.400 rpm (50 Hz)
Max. torque at stirringshaft	150 Ncm	900 Ncm
Display	LED	LED
Temperature sensor connection	no	no
Chuck range	0,5 – 10 mm	1 – 10 mm
Hollow shaft	yes	yes
Dimensions (W × D × H)	88 × 212 × 294 mm	123 × 252 × 364 mm
Weight	3,1 kg	7,5 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 20	IP 40
	<b>€ 1.099,00</b>	<b>€ 2.749,00</b>

### **RW 47 digital**

Ident. No. 0004050000

200 l
100.000 mPas
513 / 370 W
100 %
57 – 1.300 rpm (50 Hz)
3.000 Ncm
LED
no
3 – 16 mm
no
145 × 358 × 465 mm
16 kg
5 – 40 °C
80 %
IP 54
<b>€ 4.999,00</b>

### **RW 47**

- › infinitely variable speed control (from 57 – 1.300 rpm) in two speed ranges
- › overload protection
- › error code display
- › robust, ergonomic design
- › very smooth running
- › with constant performance drive unit



**BESTSELLER!**

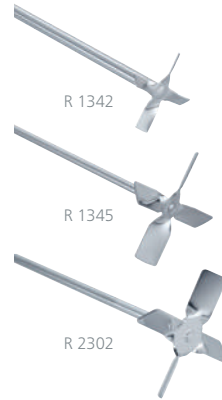


## /// Overhead stirrers | Accessories

### PROPELLER STIRRER 4-BLADED

/// Comparison

	<b>R 1342</b> Ident. No. 0000741000	<b>R 1345</b> Ident. No. 0000741300
Stirrer (Ø)	50 mm	100 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	350 mm	540 mm
	<b>€ 128,00</b>	<b>€ 156,00</b>
	(A) (B) (C) (D) (E) (H)	(A) (B) (C) (D) (E) (H) (J)



### R 2302

Ident. No. 0000739000

150 mm

13 mm

800 mm

**€ 552,00**

(J)

### Propeller stirrer, 4-bladed

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

### PROPELLER STIRRER 3-BLADED

/// Comparison

	<b>R 1381</b> Ident. No. 0001296000	<b>R 1382</b> Ident. No. 0001295900
Stirrer (Ø)	45 mm	55 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	350 mm	350 mm
	<b>€ 255,00</b>	<b>€ 269,00</b>
	(A) (B) (C) (D) (E) (F)	(A) (B) (C) (D) (E) (F)



### 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.



MICROSTAR- |  
MINISTAR-series

(A)



EUROSTAR 20 |  
40 digital

(B)



EUROSTAR 60  
digital | control

(C)



EUROSTAR 100  
digital | control

(D)



EUROSTAR 200  
digital | control

(E)



EUROSTAR 400  
digital | control



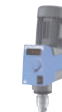
EUROSTAR 100 &  
200 control P4

(F)



EUROSTAR 20 high  
speed digital | control

(G)



RW 20  
digital

(H)



RW 28  
digital

(I)



RW 47  
digital

(J)

## /// Overhead stirrers | Accessories

### PROPELLER STIRRER 3-BLADED

/// Comparison

	<b>R 1385</b> Ident. No. 0000477700	<b>R 1388</b> Ident. No. 0000477800
Stirrer (Ø)	140 mm	140 mm
Shaft (Ø)	10 mm	10 mm
Shaft-length	550 mm	800 mm
	<b>€ 253,00</b>	<b>€ 309,00</b>
	(B) (C) (D) (E) (F) (H) (I)	(B) (C) (D) (E) (F) (H) (I)



### R 1389 (PTFE-coated)

Ident. No. 0002343600

75 mm

8 mm

350 mm

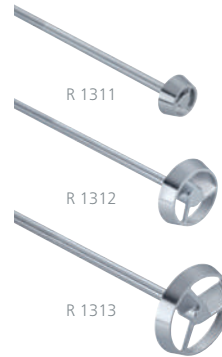
**€ 469,00**

(A) (B) (C)  
(D)

### TURBINE STIRRER

/// Comparison

	<b>R 1311</b> Ident. No. 0002332900	<b>R 1312</b> Ident. No. 0002333000
Stirrer (Ø)	30 mm	50 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	350 mm	350 mm
	<b>€ 161,00</b>	<b>€ 209,00</b>
	(A) (B) (D)	(A) (B) (C) (D) (E) (F)



### R 1313

Ident. No. 0002333100

70 mm

10 mm

400 mm

**€ 266,00**

(B) (C) (D)  
(E) (F) (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.

### 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.



(A)



**EUROSTAR 20 | 40 digital**

(B)



**EUROSTAR 60 digital | control**

(C)



**EUROSTAR 100 digital | control**

(D)



**EUROSTAR 200 digital | control**

(E)



**EUROSTAR 400 digital | control**



**EUROSTAR 100 & 200 control P4**

(F)



**EUROSTAR 20 high speed digital | control**

(G)



**RW 20 digital**

(H)



**RW 28 digital**

(I)



**RW 47 digital**

(J)

### /// Overhead stirrers | Accessories

#### CENTRIFUGAL STIRRER /// Comparison

	<b>R 1352</b> Ident. No. 0000756900	<b>R 1355</b> Ident. No. 0001132700
Stirrer (Ø)	60 / 15 mm	100 / 24 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	350 mm	550 mm
	<b>€ 137,00</b>	<b>€ 181,00</b>
	(A) (B) (C) (D) (E) (H)	(A) (B) (C) (D) (E) (H)

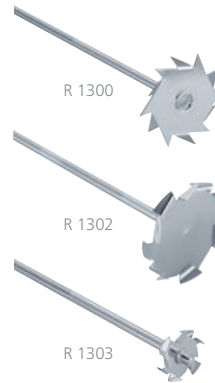


#### Centrifugal stirrer

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

#### DISSOLVER STIRRER /// Comparison

	<b>R 1300</b> Ident. No. 0000513500	<b>R 1302</b> Ident. No. 0002387900
Stirrer (Ø)	80 mm	100 mm
Shaft (Ø)	8 mm	10 mm
Shaft-length	350 mm	350 mm
	<b>€ 226,00</b>	<b>€ 492,00</b>
	(A) (B) (C) (D) (E) (H) (I)	(B) (C) (D) (E) (F) (H) (I)



#### R 1303

Ident. No. 0002746700

42 mm

8 mm

350 mm

**€ 353,00**

(A) (B) (C)  
(D) (E) (H)  
(I)

#### 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.



**MICROSTAR- |  
MINISTAR-series**

(A)



**EUROSTAR 20 |  
40 digital**

(B)



**EUROSTAR 60  
digital | control**

(C)



**EUROSTAR 100  
digital | control**

(D)



**EUROSTAR 200  
digital | control**

(E)



**EUROSTAR 400  
digital | control**



**EUROSTAR 100 &  
200 control P4**

(F)



**EUROSTAR 20 high  
speed digital | control**

(G)



**RW 20  
digital**

(H)



**RW 28  
digital**

(I)



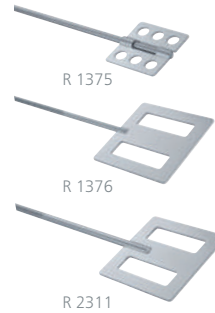
**RW 47  
digital**

(J)

## /// Overhead stirrers | Accessories

### PADDLE STIRRER /// Comparison

	<b>R 1375</b> Ident. No. 0000757700	<b>R 1376</b> Ident. No. 0000757800
Stirrer (Ø)	70 mm	150 mm
Shaft (Ø)	8 mm	10 mm
Shaft-length	550 mm	550 mm
	<b>€ 147,00</b>	<b>€ 307,00</b>
		



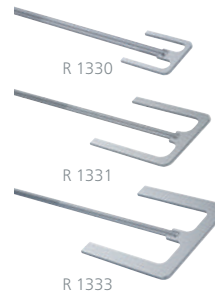
<b>R 2311</b> Ident. No. 0000739500
150 mm
13 mm
800 mm
<b>€ 527,00</b>


### Paddle stirrer

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

### ANCHOR STIRRER /// Comparison

	<b>R 1330</b> Ident. No. 0002022300	<b>R 1331</b> Ident. No. 0002022400
Stirrer (Ø)	45 mm	90 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	350 mm	350 mm
	<b>€ 321,00</b>	<b>€ 359,00</b>
		



<b>R 1333</b> Ident. No. 0002747400
150 mm
10 mm
550 mm
<b>€ 649,00</b>


### 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.



**MICROSTAR- |  
MINISTAR-series**

(A)



**EUROSTAR 20 |  
40 digital**

(B)



**EUROSTAR 60  
digital | control**

(C)



**EUROSTAR 100  
digital | control**

(D)



**EUROSTAR 200  
digital | control**

(E)



**EUROSTAR 400  
digital | control**



**EUROSTAR 100 &  
200 control P4**

(F)



**EUROSTAR 20 high  
speed digital | control**

(G)



**RW 20  
digital**

(H)



**RW 28  
digital**

(I)



**RW 47  
digital**

(J)

### /// Overhead stirrers | Accessories

#### MOEBIUS STIRRER /// Comparison

	<b>R 3000.1</b> Ident. No. 0020001192	<b>R 3001.1</b> Ident. No. 0020001195
Stirrer (Ø)	100 mm	100 mm
Shaft (Ø)	10 mm	10 mm
Shaft-length	565 mm	575 mm
	<b>€ 348,00</b>	<b>€ 369,00</b>

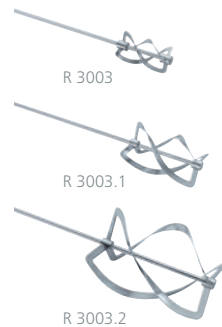


#### Moebius stirrer

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.

#### SPIRAL STIRRER /// Comparison

	<b>R 3003</b> Ident. No. 0020001203	<b>R 3003.1</b> Ident. No. 0020001204
Stirrer (Ø)	50 mm	100 mm
Shaft (Ø)	8 mm	10 mm
Shaft-length	350 mm	550 mm
	<b>€ 289,00</b>	<b>€ 406,00</b>



#### **R 3003.2** Ident. No. 0020001205

Stirrer (Ø)	150 mm
Shaft (Ø)	10 mm
Shaft-length	800 mm

**€ 523,00**



#### 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.



**MICROSTAR- |  
MINISTAR-series**

(A)



**EUROSTAR 20 |  
40 digital**

(B)



**EUROSTAR 60  
digital | control**

(C)



**EUROSTAR 100  
digital | control**

(D)



**EUROSTAR 200  
digital | control**

(E)



**EUROSTAR 400  
digital | control**



**EUROSTAR 100 &  
200 control P4**

(F)



**EUROSTAR 20 high  
speed digital | control**

(G)



**RW 20  
digital**

(H)



**RW 28  
digital**

(I)



**RW 47  
digital**

(J)



## /// Overhead stirrers | Accessories

### BLADE STIRRER /// Comparison

	<b>R 3004</b> Ident. No. 0020001206	<b>R 3004.1</b> Ident. No. 0020001207
Stirrer (Ø)	30 mm	50 mm
Shaft (Ø)	8 mm	8 mm
Shaft-length	359 mm	565 mm
	<b>€ 243,00</b>	<b>€ 348,00</b>
	(A) (B) (C) (H)	(A) (B) (C) (H)



	<b>R 3004.2</b> Ident. No. 0020001208
	70 mm
	10 mm
	819 mm
	<b>€ 464,00</b>
	(B) (C) (D) (E) (F) (H)

### 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.



(A)



EUROSTAR 20 |  
40 digital

(B)



EUROSTAR 60  
digital | control

(C)



EUROSTAR 100  
digital | control

(D)



EUROSTAR 200  
digital | control

(E)



EUROSTAR 400  
digital | control



EUROSTAR 100 &  
200 control P4

(F)



EUROSTAR 20 high  
speed digital | control

(G)



RW 20  
digital

(H)



RW 28  
digital

(I)



RW 47  
digital

(J)

## /// Overhead stirrers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>EUROSTAR 20 high speed digital   control accessories</b>		
①	R 1401 Ident. No. 0001242900 Propeller blade, Ø 55 mm	€ 220,00
②	R 1402 Ident. No. 0001243300 Dissolver, Ø 42 mm	€ 242,00
③	R 1405 Ident. No. 0001289800 Propeller blade, Ø 45 mm	€ 177,00
<b>RW 47 digital accessories</b>		
④	R 303 Ident. No. 0030000257 Stirringshaft protection for RW 47 digital	€ 364,00
⑤	SI 400 Ident. No. 0003294800 Safety switch	€ 806,00
⑥	SI 472 Ident. No. 0003264000 Fixation for SI 400 at R 472 stand	€ 756,00
⑦	SI 474 Ident. No. 0003264400 Fixation for SI 400 at R 474 and T 653 stand	€ 349,00
<b>RW 20 digital &amp; EUROSTAR series accessories</b>		
⑧	FK 1 Ident. No. 0002336000 Flexible coupling, clamping range 6 – 10 mm	€ 269,00
⑨	R 60 Ident. No. 0003889500 Keyless chuck for EUROSTAR 20 / 40 / 60 / 100 series	€ 82,00
⑩	R 301 Ident. No. 0002603000 Stirringshaft protection, plexiglass	€ 142,00
⑪	R 301.1 Ident. No. 0002604000 Support holder for R 301	€ 176,00

### TECHNICAL DATA /// Comparison

	Description	Price
<b>EUROSTAR control series accessories</b>		
⑫	H 62.51* Ident. No. 0002735451 Spare sensor for use with ETS-D5 and ETS-D6	€ 168,00
⑬	H 66.51* Ident. No. 0002735551 Temperature sensor, stainless steel, glass-coated, Ø 7 mm, 260 mm length	€ 251,00
⑭	H 66.53* Ident. No. 0004499900 Temperature sensor, coated with SafeCoat, Ø 3 mm, 260 mm length	€ 211,00
⑮	H 67.60 Ident. No. 0025000215 Temperature sensor, stainless steel, Ø 3 mm	€ 114,00
⑯	H 67.61 Ident. No. 0020003865 Temperature sensor, stainless steel, Ø 3 mm, 230 mm length, response time 0,9 = 4 s	€ 172,00
⑰	H 68.55* Ident. No. 0025001479 PT 1000 temperature sensor, made of stainless steel, for use with EUROSTAR control overhead stirrer	€ 231,00
⑱	H 70* Ident. No. 0002735600 Extension cable, 1 m	€ 164,00
	WH 11 Ident. No. 0025001500 Wall mount device for WiCo	€ 22,00
	labworldsoft® Ident. No. 0004720000 Laboratory software	€ 1.285,00

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



# Mixing

## /// 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.



**Orbital action.**



**Integrated timer / counter**  
for the control of kinetics sensitive reactions and reminders.



BESTSELLER!

**Loopster digital**

Ident. No. 0004016000  
**€ 749,00**

## /// Shakers

BESTSELLER!



### TECHNICAL DATA

/// Comparison

	<b>lab dancer</b> Ident. No. 0003365000	<b>Vortex 1</b> Ident. No. 0004047700
Type of movement	orbital	orbital
Shaking diameter	4,5 mm	4,5 mm
Permissible shaking weight (incl. attachment)	max. 50 ml (1 test tube)	0,1 kg
Motor rating input / output	1,2 / 0,8 W	1,2 / 0,8 W
Speed range	2.800 rpm (fixed)	1.000 – 2.800 rpm
Speed display	none	none
Timer display	none	none
Operating mode	touch operation	touch operation
Dimensions (W x D x H)	100 x 70 mm (Ø x H)	95 x 110 x 70 mm
Weight	0,55 kg	0,55 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
	<b>€ 257,00</b>	<b>€ 278,00</b>



### Vortex 2

Ident. No. 0025000258

orbital
4 mm
0,4 kg
39 / 9 W
500 – 2.500 rpm
scale (0 – 6)
none
continuous operation / touch operation
120 x 138 x 140 mm
3,9 kg
5 – 40 °C
80 %
<b>€ 219,00</b>

### Vortex 2



Continuous or touch operation.



Wide range of attachments.



Orbital action.



## /// Shakers

### TECHNICAL DATA /// Comparison

	<b>Vortex 3</b> Ident. No. 0003340000	<b>Vortex 4 basic</b> Ident. No. 0004049600
Type of movement	orbital	orbital
Shaking diameter	4 mm	4,5 mm
Permissible shaking weight (incl. attachment)	0,4 kg	0,5 kg
Motor rating input / output	58 / 10 W	10 / 8 W
Speed range	500 – 2.500 rpm (fixed)	200 – 3.000 rpm
Speed display	scale (0 – 6)	scale
Timer display	none	none
Operating mode	continuous operation / touch operation	continuous operation / touch operation
Dimensions (W × D × H)	127 × 149 × 136 mm	176 × 190 × 63 mm
Weight	4,5 kg	3 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
	<b>€ 367,00</b>	<b>€ 381,00</b>



BESTSELLER!



**Orbital action.**



**Wide range**  
of attachments.



**Various applications**  
easily handled with  
interchangeable  
attachments and inserts.



**Vortex 3**

Ident. No. 0003340000  
**€ 367,00**



## TECHNICAL DATA

/// Comparison

### MS 3 basic | digital

Ident. No. 0003617000 |  
0003319000

### MS 3 control

Ident. No. 0020016017

Type of movement	orbital	orbital
Shaking diameter	4,5 mm	4,5 mm
Permissible shaking weight (incl. attachment)	0,5 kg	0,5 kg
Motor rating input / output	10 / 8 W	10 / 8 W
Speed range	200 – 3.000 rpm	100 – 3.000 rpm
Speed display	scale	LCD
Timer display	none   digital	LCD
Operating mode	continuous operation / touch operation   timer and continuous / touch operation	timer and continuous / touch operation
Dimensions (W × D × H)	148 × 205 × 63 mm	148 × 205 × 63 mm
Weight	2,9 kg	2,9 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %

€ 533,00 | € 731,00

€ 829,00



### MS 3 control



LCD display.



Digital potentiometer.



Integrated timer function.



RS 232 interface.



Compatible with labworldsoft®.



## /// Shakers

BESTSELLER!

### TECHNICAL DATA /// Comparison

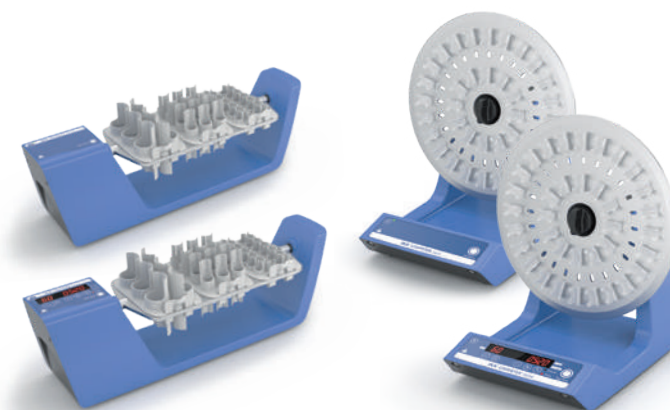
	<b>VXR basic Vibrax®</b> Ident. No. 0002819000	<b>MTS 2/4 digital Microtiter shaker</b> Ident. No. 0003208000
Type of movement	orbital	orbital
Shaking diameter	4 mm	3 mm
Permissible shaking weight (incl. attachment)	2 kg	2 or 4 microtiter plates (MTP)
Motor rating input / output	35 / 13,2 W	35 / 13,2 W
Speed range	0 – 2.200 rpm	0 – 1.100 rpm
Speed display	scale	scale
Timer display	no	∞ / 1 – 99 min
Operating mode	continuous operation	timer and continuous operation
Dimensions (W × D × H)	157 × 247 × 130 mm	185 × 320 × 105 mm
Weight	6,1 kg	2,7 kg
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
	<b>€ 1.362,00</b>	<b>€ 1.457,00</b>



### TECHNICAL DATA /// Comparison

	<b>Trayster basic   digital</b> Ident. No. 0004005000*   0004006000*	<b>Loopster basic   digital</b> Ident. No. 0004015000*   0004016000*
Type of movement	rotating	rotating
Permissible shaking weight (incl. attachment)	2 kg	2 kg
Motor rating input / output	16 / 9 W	16 / 9 W
Speed range	20 rpm (fixed)   5 – 80 rpm	20 rpm (fixed)   5 – 80 rpm
Speed display	no   7 segment LED	no   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h	no   ∞ / 1 s – 99.9 h
Timer display	no   7 segment LED	no   7 segment LED
Dimensions (W × D × H)	460 × 140 × 180 mm	300 × 300 × 360 mm
Weight	1,6 kg	3 kg
	<b>€ 749,00   € 849,00</b>	<b>€ 649,00   € 749,00</b>

\* Loopster and Trayster accessories have to be ordered separately.



  
reddot design award  
winner 2015



## /// Lifescience shakers

BESTSELLER!

### TECHNICAL DATA

/// Comparison

	<b>Rocker 2D basic   digital</b> Ident. No. 0004002000*   0004003000*	<b>Rocker 3D basic   digital</b> Ident. No. 0004000000*   0004001000*
Type of movement	rocking	tumbling
Shaking diameter	8°   2,5 – 15° (angle)	8°   0 – 15° (angle)
Permissible shaking weight (incl. attachment)	2 kg	2 kg
Motor rating input / output	16 / 9 W	16 / 9 W
Speed range	5 – 80 rpm	30 rpm (fixed)   5 – 80 rpm
Speed display	7 segment LED	no   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h	no   ∞ / 1 s – 99.9 h
Timer display	none   7 segment LED	none   7 segment LED
Dimensions (W × D × H)	280 × 330 × 150 mm	280 × 330 × 165 mm   280 × 330 × 185 mm
Weight	2,2 kg	2,2 kg   2,3 kg
	<b>€ 749,00   € 849,00</b>	<b>€ 799,00   € 899,00</b>

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

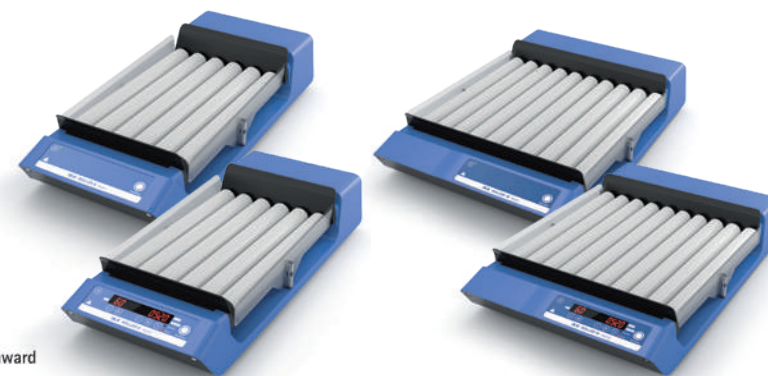


BESTSELLER!

### TECHNICAL DATA

/// Comparison

	<b>Roller 6 basic   digital</b> Ident. No. 0004010000   0004011000	<b>Roller 10 basic   digital</b> Ident. No. 0004012000   0004013000
Type of movement	rocking and rolling	rocking and rolling
Shaking diameter	24,5 mm (height)	24,5 mm (height)
Permissible shaking weight (incl. attachment)	2 kg	2 kg
Motor rating input / output	16 / 9 W	16 / 9 W
Speed range	30 rpm (fixed)   5 – 80 rpm	30 rpm (fixed)   5 – 80 rpm
Speed display	no   7 segment LED	no   7 segment LED
Timer	no   ∞ / 1 s – 99.9 h	no   ∞ / 1 s – 99.9 h
Timer display	no   7 segment LED	no   7 segment LED
Dimensions (W × D × H)	240 × 545 × 115 mm	380 × 545 × 115 mm
Weight	4 kg	6 kg
	<b>€ 1.299,00   € 1.399,00</b>	<b>€ 1.599,00   € 1.699,00</b>





## /// Shakers

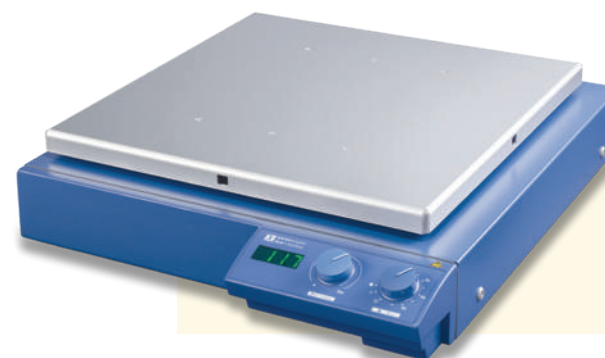
### TECHNICAL DATA

/// Comparison

	<b>KS 260 basic   control</b> Ident. No. 0002980200   0002980300	<b>KS 501 digital</b> Ident. No. 0025002985
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	50 – 500 rpm   10 – 500 rpm	0 – 300 rpm
Speed display	LED line   digital	7 Segment LED
Timer	∞ / 5 – 50 min   ∞ / 0 – 9 h 59 min	∞ / 1 – 56 min
Timer display	LED line   digital	scale
Dimensions (W × D × H)	360 × 420 × 98 mm	505 × 585 × 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 %
	<b>€ 2.299,00   € 2.999,00</b>	<b>€ 4.449,00</b>

### KS 501 digital

- › infinitely variable speed control from 0 – 300 rpm
- › digital speed display
- › shaking stroke 30 mm
- › ideal for vessels over 250 ml, e.g. round-bottom flasks, Erlenmeyer flasks, culture flasks, culture bottles
- › for biological and microbiological growth experiments, for the preparation of stock solutions
- › continuous operation (endless) even under extreme loads
- › timer
- › integrated USB and RS 232 interfaces
- › attachments are not included, please order separately

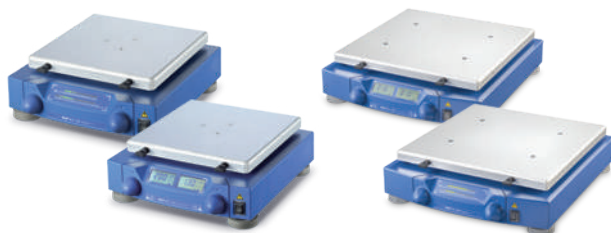


BESTSELLER!

## /// Shakers

### TECHNICAL DATA /// Comparison

	<b>KS 130 basic   control</b> Ident. No. 0002980000   0002980100	<b>HS 260 basic   control</b> Ident. No. 0003066600   0003066700
Type of movement	orbital	reciprocating
Shaking diameter	4 mm	20 mm
Permissible shaking weight (incl. attachment)	2 kg	7,5 kg
Motor rating input / output	45 / 10 W	45 / 10 W
Permissible ON time	100 %	100 %
Speed range	0 – 800 rpm	0 – 300 rpm   10 – 300 rpm
Speed display	LED line   digital	LED line   digital
Timer	∞ / 5 – 50 min   ∞ / 0 – 9 h 59 min	∞ / 5 – 50 min   ∞ / 0 – 9 h 59 min
Operating mode	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
Weight	8,8 kg	8,5 kg   8,8 kg
Permissible ambient temp.	5 – 50 °C	5 – 50 °C
Permissible relative moisture	80 %	80 %
	<b>€ 1.449,00   € 2.169,00</b>	<b>€ 2.299,00   € 2.999,00</b>



### TECHNICAL DATA /// Comparison

	<b>HS 501 digital</b> Ident. No. 0025002982
Type of movement	reciprocating
Shaking diameter	30 mm
Permissible shaking weight (incl. attachment)	15 kg
Motor rating input / output	70 / 19 W
Speed range	0 – 300 rpm
Speed display	7 Segment LED
Timer display	scale
Timer	∞ / 1 – 56 min
Operating mode	Timer and continuous operation
Dimensions (W x D x H)	505 x 120 x 585 mm
Weight	26 kg
Permissible ambient temp.	5 – 50 °C
Permissible relative moisture	80 %
	<b>€ 4.449,00</b>



BESTSELLER!

### HS 501 digital

- › infinitely variable speed control from 0 – 300 rpm
- › digital speed display
- › ideal for all lying vessels, e.g. separating funnels
- › continuous operation (endless) even under extreme loads
- › timer
- › integrated USB and RS 232 interfaces
- › attachments are not included, please order separately

## /// Incubator Shakers

### TECHNICAL DATA

/// Comparison

	<b>KS 3000 i control   ic control</b> Ident. No. 0003940000   0003940100	<b>KS 4000 i control   ic control</b> Ident. No. 0003510000   0003510100
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
Permissible ON time	100 %	100 %
Speed range	10 – 500 rpm	10 – 500 rpm
Heating temperature range	RT +5 °C – 80 °C   RT -10 °C – 80 °C	RT +5 °C – 80 °C   RT -10 °C – 80 °C
Timer	∞ / 1 – 99 min	∞ / 1 – 99 min
Timer display	LED	LED
Operating mode	Timer and continuous operation	Timer and continuous operation
Dimensions (W × D × H)	465 × 695 × 430 mm	580 × 750 × 525 mm
Weight	35 kg   37 kg	50 kg   55 kg
Permissible ambient temp.	15 – 32 °C	15 – 32 °C
Permissible relative moisture	80 %	80 %
Built-in cooling coil	no   yes	no   yes
	<b>€ 4.999,00   € 5.999,00</b>	<b>€ 6.049,00   € 7.049,00</b>

BESTSELLER!

**KS 3000 i control | ic control**



**KS 4000 i control | ic control**



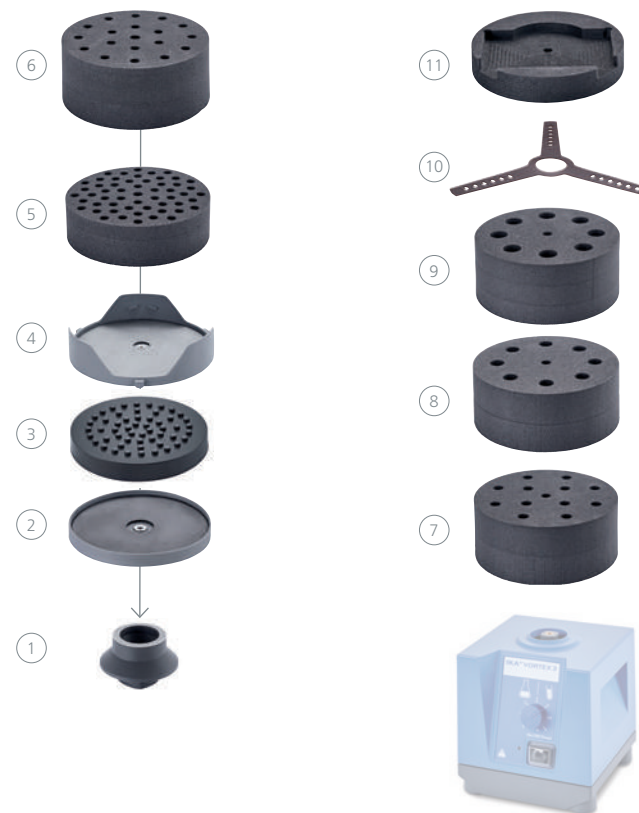
## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Vortex 2 / Vortex 3 accessories</b>		
①	VG 3.1 Ident. No. 0003341200 Standard attachment	€ 9,00
②	VG 3.2 Ident. No. 0003342300 One-hand attachment, 88 mm	€ 20,00
③	VG 3.21 Ident. No. 0020008398 Rubber mat	€ 13,00
④	VG 3.3 Ident. No. 0003342400 Universal attachment, 150 mm	€ 22,00
⑤	VG 3.31* Ident. No. 0003344300 Test tube attachment for 54 Eppendorf tubes	€ 56,00
⑥	VG 3.32* Ident. No. 0003343900 Test tube attachment, 18 × Ø 10 mm	€ 29,00
⑦	VG 3.33* Ident. No. 0003344000 Test tube attachment, 12 × Ø 12 mm	€ 29,00
⑧	VG 3.34* Ident. No. 0003344100 Test tube attachment, 8 × Ø 16 mm	€ 29,00
⑨	VG 3.35* Ident. No. 0003344200 Test tube attachment, 8 × Ø 20 mm	€ 29,00
⑩	VG 3.36* Ident. No. 0003342100 Erlenmeyer flask attachment, 100 – 250 ml	€ 29,00
⑪	VG 3.37* Ident. No. 0003344400 Microtiter plate attachment	€ 29,00

\* Used with VG 3.3 universal attachment, ordered separately.



## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>MS 3 basic / digital accessories</b>		
12	MS 3.1 Ident. No. 0003426300 Standard attachment	€ 15,00
13	MS 3.3 Ident. No. 0003426600 Universal attachment	€ 15,00
14	MS 1.21 Ident. No. L001540 One-hand insert	€ 20,00
	MS 1.31 Ident. No. L001840 Test tube insert, 14 × Ø 10 mm	€ 45,00
15	MS 1.32 Ident. No. L001850 Test tube insert, 6 × Ø 12 mm	€ 45,00
16	MS 1.33 Ident. No. L001860 Test tube insert, 4 × Ø 16 mm	€ 45,00
17	MS 1.34 Ident. No. L001830 Test tube insert, without holes	€ 21,00
18	MS 3.4 Ident. No. 0003426400 Microtiter plate attachment	€ 45,00
19	MS 3.5 Ident. No. 0003428000 PCR plate attachment, 96-well	€ 45,00
	MS 1.30 Ident. No. 0025005776 Attachment for 0,5 ml tubes	€ 43,00

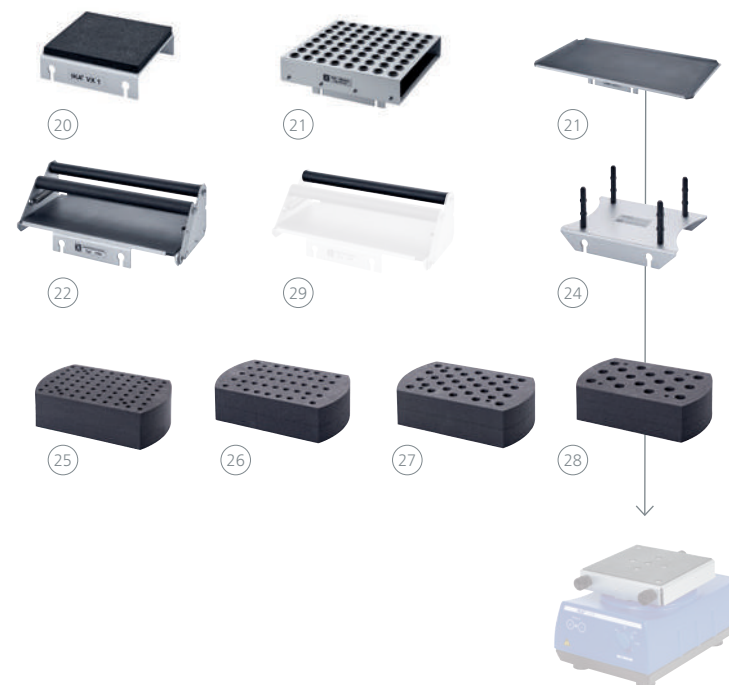


## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>VXR basic Vibrax® accessories</b>		
20	VX 1 one-hand attachment Ident. No. 0000607200	1 – 250 ml € 85,00
	VX 2 test tube attachment Ident. No. 0000568900	36 × Ø 16 mm € 359,00
21	VX 2E Eppendorf attachment Ident. No. 0001618100	64 × 1,5 ml € 359,00
22	VX 7 dish attachment Ident. No. 0000953300	410 × 210 mm € 249,00
23	VX 8 universal attachment Ident. No. 0000910400	265 × 136 mm € 599,00
24	VX 11 basic holder Ident. No. 0003627700	– € 129,00
25	VX 11.1 test tube insert Ident. No. 0003659000	70 × Ø 10 mm € 129,00
26	VX 11.2 test tube insert Ident. No. 0003659100	41 × Ø 12 mm € 129,00
27	VX 11.3 test tube insert Ident. No. 0003659200	32 × Ø 16 mm € 99,00
28	VX 11.4 test tube insert Ident. No. 0003659300	18 × Ø 20 mm € 99,00
29	VX 8.1 clamping roll Ident. No. 0003375400	– € 33,00
	VX 11.5 attachment Ident. No. 0025005778	Attachment for 50 ml tubes € 89,00
	VX 11.6 attachment Ident. No. 0025005777	Attachment for 30 ml tubes € 89,00



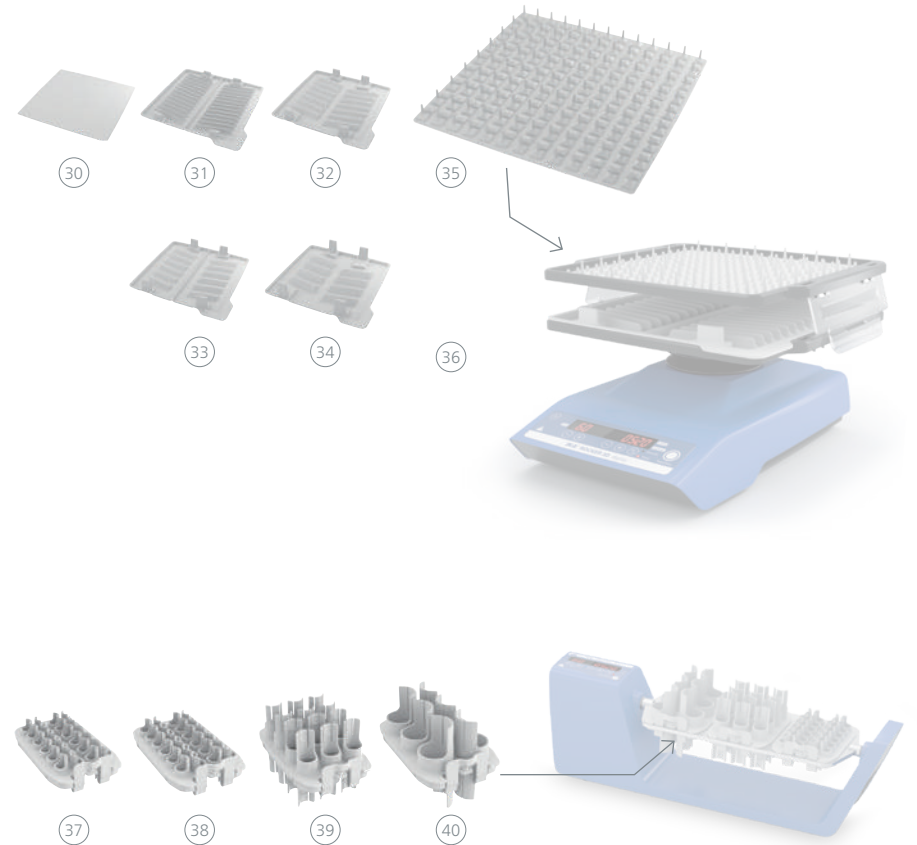
## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Rocker accessories</b>		
30	RD 1* Ident. No. 0004532000 Universal mat	€ 17,00
31	TB 1 Ident. No. 0004532200 Tray, 28 x 5 ml, Ø 12 mm	€ 31,00
32	TB 2 Ident. No. 0004532300 Tray, 16 x 15 ml, Ø 16 mm	€ 31,00
33	TB 3 Ident. No. 0004532400 Tray, 14 x 30 ml, Ø 25 mm	€ 31,00
34	TB 4 Ident. No. 0004532500 Tray, 10 x 50 ml, Ø 28 mm	€ 31,00
35	RD 2 Ident. No. 0004532100 Burlled mat	€ 19,00
36	A 2 Ident. No. 0004581700 Second level attachment	€ 57,00
<b>Trayster accessories</b>		
37	TR 1 Ident. No. 0004525100 Test tube insert, 24 x 1,5 ml, Ø 10 mm	€ 36,00
38	TR 2 Ident. No. 0004525200 Test tube insert, 24 x 5 ml, Ø 12 mm	€ 36,00
39	TR 3 Ident. No. 0004525300 Test tube insert, 12 x 15 ml, Ø 16 mm	€ 36,00
40	TR 4 Ident. No. 0004525400 Test tube insert, 6 x 50 ml, Ø 28 mm	€ 36,00

\* Included in the delivery.

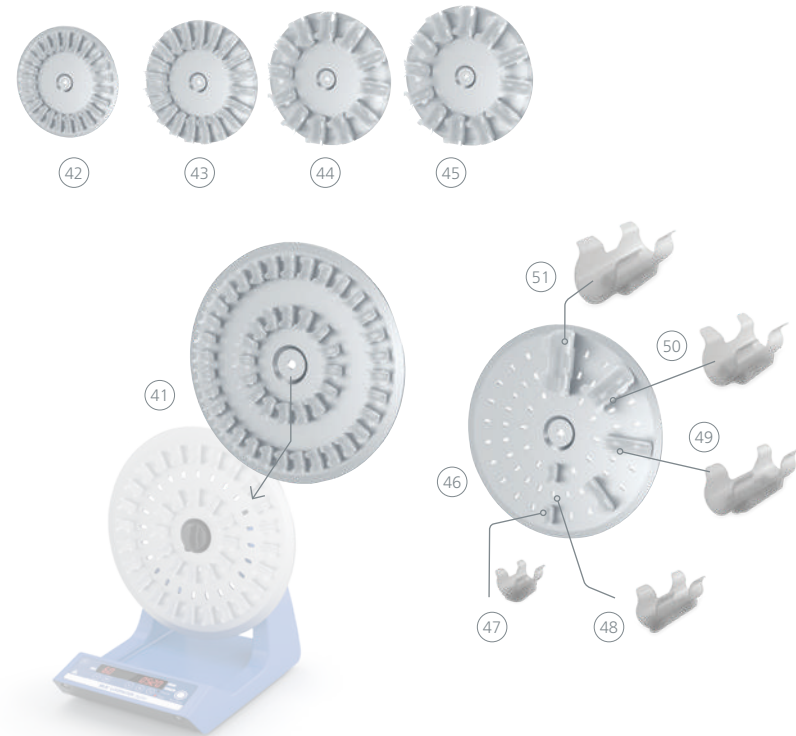


## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Loopster accessories</b>		
41	DS 1 Ident. No. 0004524000 Tube attachment, 48 x 1,5 ml, Ø 10 mm	€ 172,00
42	DS 2 Ident. No. 0004524100 Tube attachment, 24 x 5 ml, Ø 12 mm	€ 124,00
43	DS 3 Ident. No. 0004524200 Tube attachment, 20 x 15 ml, Ø 16 mm	€ 124,00
44	DS 4 Ident. No. 0004524300 Tube attachment, 12 x 30 ml, Ø 25 mm	€ 124,00
45	DS 5 Ident. No. 0004524400 Tube attachment, 12 x 50 ml, Ø 28 mm	€ 124,00
46	DS 6 Ident. No. 0004524500 Universal disc	€ 104,00
47	DS 6.1 Ident. No. 0004524600 Spare clips, Ø 10 mm, 12 Pcs	€ 32,00
48	DS 6.2 Ident. No. 0004524700 Spare clips, Ø 12 mm, 12 Pcs	€ 32,00
49	DS 6.3 Ident. No. 0004524800 Spare clips, Ø 16 mm, 12 Pcs	€ 32,00
50	DS 6.4 Ident. No. 0004524900 Spare clips, Ø 25 mm, 12 Pcs	€ 32,00
51	DS 6.5 Ident. No. 0004525000 Spare clips, Ø 28 mm, 12 Pcs	€ 32,00



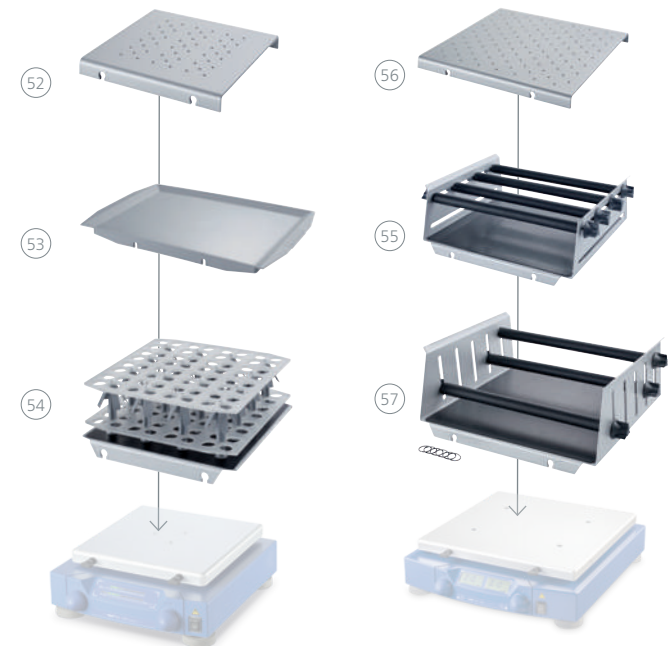


## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>KS 130 basic / control accessories</b>		
	AS 130.1 Ident. No. 0008017300	Universal attachment, set-up plate 220 × 220 mm <b>€ 299,00</b>
52	AS 130.2 Ident. No. 0003115000	Fixing clip attachment, set-up plate 230 × 230 mm <b>€ 90,00</b>
53	AS 130.3 Ident. No. 0003120000	Dish attachment, set-up plate 220 × 340 mm <b>€ 85,00</b>
54	AS 130.4 Ident. No. 0003120300	Test tube attachment, 64 × Ø 10 – 16 mm <b>€ 201,00</b>
<b>KS / HS 260 basic / control and KS 3000 accessories</b>		
55	AS 260.1 Ident. No. 0008017400	Universal attachment, set-up plate 320 × 320 mm <b>€ 499,00</b>
56	AS 260.2 Ident. No. 0003115500	Fixing clip attachment, set-up plate 330 × 330 mm <b>€ 127,00</b>
	AS 260.3 Ident. No. 0003120600	Dish attachment, set-up plate 320 × 320 mm <b>€ 107,00</b>
57	AS 260.5 Ident. No. 0003120900	Separating funnel attachment <b>€ 519,00</b>

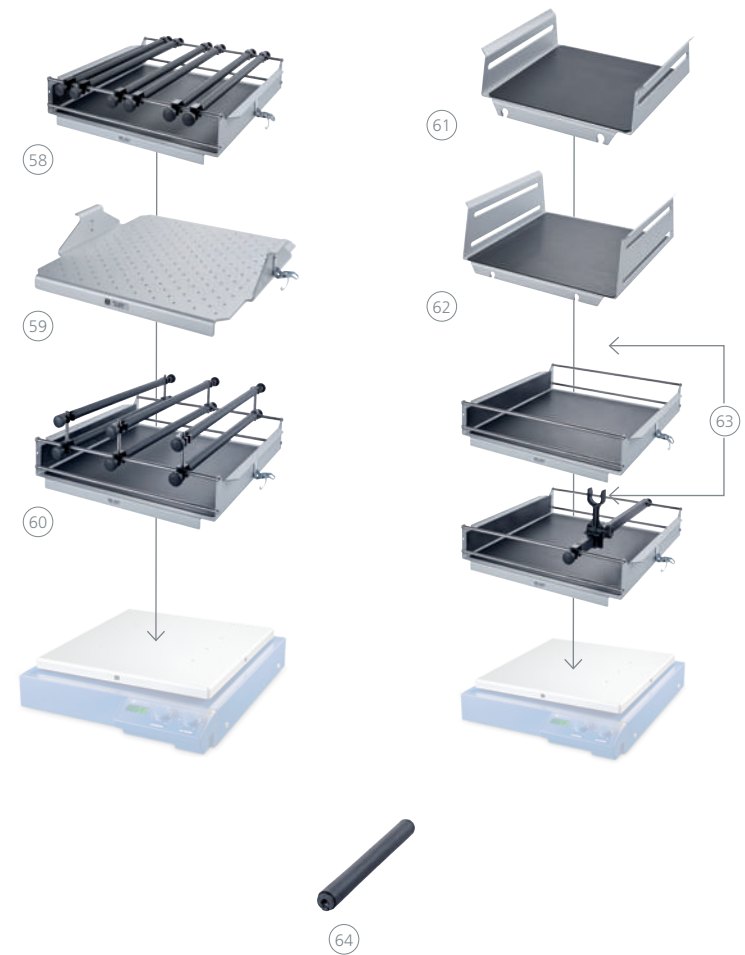


## /// Shakers | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>KS / HS 501 digital accessories</b>		
58	AS 501.1 Ident. No. 0008000200 Universal attachment, set-up plate 420 × 420 mm	€ 1.499,00
59	AS 501.4 Ident. No. 0002341100 Fixing clip attachment, set-up plate 450 × 450 mm	€ 997,00
	AS 501.5 Ident. No. 0002339600 Dish attachment, set-up plate 420 × 420 mm	€ 199,00
60	AS 501.2 Ident. No. 0008000300 Separating funnel attachment, 480 × 505 × 190 mm	€ 1.599,00
	AS 501.3 Ident. No. 0008000400 Separating funnel attachment, 480 × 505 × 190 mm	€ 1.299,00
	AS 501.6 Ident. No. 0008000500 Separating funnel attachment, 480 × 505 × 225 mm	€ 2.299,00
<b>Other accessories</b>		
61	AS 1.30 Ident. No. 0003148000 Basic holder for AS 130.1	€ 253,00
62	AS 1.60 Ident. No. 0003149000 Basic holder for AS 260.1	€ 455,00
63	AS 1.10 Ident. No. 0002339700 Basic holder for AS 501.1	€ 675,00
64	AS 1.31 Ident. No. 0003030500 Clamping roll for AS 130.1	€ 27,00
	AS 1.61 Ident. No. 0003030501 Clamping roll for AS 260.1	€ 34,00
	AS 1.11 Ident. No. 0002339800 Clamping roll for AS 501.1	€ 63,00



## /// Shakers | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Other accessories</b>		
	AS 1.6 Ident. No. 0001268400	Clamping device for AS 501.1 <b>€ 43,00</b>
65	AS 1.7 Ident. No. 0001269200	Clamping device for AS 501.1 <b>€ 61,00</b>
	AS 1.12 Ident. No. 0002594500	Supporting bar for AS 1.10 <b>€ 125,00</b>
66	AS 1.13 Ident. No. 0002597000	Ground section holder for AS 1.10 <b>€ 121,00</b>
67	AS 2.0 Ident. No. 0020016475	Fixing clips, 10 ml <b>€ 41,00</b>
68	AS 2.1 Ident. No. 0001234300	Fixing clips, 25 ml <b>€ 21,00</b>
69	AS 2.2 Ident. No. 0001234400	Fixing clips, 50 ml <b>€ 21,00</b>
70	AS 2.3 Ident. No. 0001234500	Fixing clips, 100 ml <b>€ 21,00</b>
71	AS 2.4 Ident. No. 0001234600	Fixing clips, 200 / 250 ml <b>€ 41,00</b>
72	AS 2.5 Ident. No. 0001234700	Fixing clips, 500 ml <b>€ 41,00</b>
73	AS 2.6 Ident. No. 0003819300	Fixing clips, 1.000 ml <b>€ 41,00</b>



### STICKMAX

- > Universal adhesive mat
- > 200 x 200 mm

Ident. No. 0003920000  
**€ 43,00**



64

65

### TECHNICAL DATA /// Comparison

	Description	Price
<b>KS 4000 accessories i / ic control accessories</b>		
74	AS 4000.1 Ident. No. 0008022200	Universal attachment, set-up plate 380 x 410 mm <b>€ 799,00</b>
75	AS 4000.2 Ident. No. 0003710100	Fixing clip attachment, set-up plate 430 x 430 mm <b>€ 665,00</b>
76	AS 4000.3 Ident. No. 0003710000	Dish attachment, set-up plate 430 x 430 mm <b>€ 174,00</b>
77	AS 1.400 Ident. No. 0003710200	Basic holder for AS 4000.1 <b>€ 455,00</b>
78	AS 1.401 Ident. No. 0003712000	Clamping roll for AS 4000.1 <b>€ 44,00</b>
79	AS 1.402 Ident. No. 0003712300	Fastening screw for AS 4000.1 <b>€ 7,00</b>



# Crushing

## /// 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!



**Digital display** for precise monitoring of set and actual speeds.



**Wide range** of dispersing tools for a variety of applications.



**Motor protection** against overload.



**Quick-connect coupling** to exchange dispersing tools easily.



**T 25 digital**

Ident. No. 0003725000  
**€ 1.749,00**

## /// ULTRA-TURRAX® Tube Drive

### TECHNICAL DATA /// Comparison

	<b>ULTRA-TURRAX® Tube Drive</b> Ident. No. 0003646000	<b>ULTRA-TURRAX® Tube Drive control</b> Ident. No. 0004135300
Motor rating input / output	20 / 17 W	20 / 17 W
Speed range / Turbo speed	300 – 6.000 rpm	400 – 6.000 rpm / 8.000 rpm
Display / Speed display	LED (timer) / scale	OLED / digital
Timer	∞ / 1 – 29 min	∞ / 10 s – 20 min (infinitely adjustable)
Reverse rotation interval	–	10 – 60 s
Dimensions (W × D × H)	100 × 160 × 40 mm	122 × 178 × 54 mm
Weight	0,75 kg	0,9 kg
Protection class acc. to DIN EN 60529	IP 20	IP 20
USB interface	no	yes
Voltage	100 – 240 V	100 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 549,00</b>	<b>€ 1.049,00</b>

### INCLUDED IN DELIVERY /// Comparison

	<b>ULTRA-TURRAX® Tube Drive Workstation</b> Ident. No. 0003645000	<b>ULTRA-TURRAX® Tube Drive control Workstation</b> Ident. No. 0003827500
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
	<b>€ 599,00</b>	<b>€ 1.099,00</b>



### Sample preparation

- › patented dispersing, stirring and homogenizing system
- › with sealed, disposable sample tubes



## /// ULTRA-TURRAX® Tube Drive | Accessories

### TECHNICAL DATA

/// Comparison

#### Price

#### ST Tube with stirring devices

ST-20 (pack of 25) Ident. No. 0003703000	€ 139,00
ST-20-M-gamma (pack of 20) Ident. No. 0003700500	€ 170,00
ST-50 (pack of 10) Ident. No. 0003699500	€ 65,00
ST-50-M (pack of 10) Ident. No. 0003629500	€ 95,00
ST-50-M-gamma (pack of 10) Ident. No. 0003701500	€ 125,00



#### DT Tube with rotor-stator element

DT-20 (pack of 25)* Ident. No. 0003703100	€ 169,00
DT-20-M-gamma (pack of 20)* Ident. No. 0003700600	€ 199,00
DT-20 eco (pack of 25)** Ident. No. 0020003207	€ 147,00
DT-50 (pack of 10)* Ident. No. 0003699600	€ 75,00
DT-50-M (pack of 10)* Ident. No. 0003629600	€ 105,00
DT-50-M-gamma (pack of 10)* Ident. No. 0003701600	€ 135,00
DT-50 eco (pack of 10)** Ident. No. 0020003213	€ 73,00



\* Rotor-stator element made with PEEK  
\*\* Rotor-stator element made with PSU

### TECHNICAL DATA

/// Comparison

#### Price

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

BMT-20-S (pack of 25) Ident. No. 0003703200	€ 159,00
BMT-20-G (pack of 25) Ident. No. 0003703300	€ 159,00
BMT-20-S-M-gamma (pack of 20) Ident. No. 0003700700	€ 189,00
BMT-50-S (pack of 10) Ident. No. 0003699700	€ 109,00
BMT-50-G (pack of 10) Ident. No. 0003699800	€ 109,00
BMT-50-S-M (pack of 10) Ident. No. 0003629700	€ 139,00
BMT-50-G-M (pack of 10) Ident. No. 0003629800	€ 104,00
BMT-50-S-M-gamma (pack of 10) Ident. No. 0003701700	€ 99,00



#### Cover for BMT tube

TC-20-M; with pierceable membrane for 20 ml tubes (pack of 25) Ident. No. 0003749900	€ 30,00
TC-50-M; with pierceable membrane for 50 ml tubes (pack of 10) Ident. No. 0003750000	€ 30,00



#### Balls for BMT Tube

Glass balls Ø 6 mm (250 g) Ident. No. 0003599200	€ 46,00
Stainless steel balls Ø 5 mm (250 g) Ident. No. 0003599300	€ 46,00

**TECHNICAL DATA**

/// Comparison

**Price****DIS Tube with dissolver element membrane lid**

DIS-50-S-M; with dispersing element, 50 ml, stainless steel (pack of 10) Ident. No. 0020016316	<b>€ 95,00</b>
DIS-50-T-M; with dispersing element, 50 ml, titanium (pack of 10) Ident. No. 0020016317	<b>€ 115,00</b>
DIS-300-S-M; with dispersing element, 300 ml, stainless steel (pack of 10) Ident. No. 0020016318	<b>€ 150,00</b>
DIS-300-S-M.50; Tube with dispersing element, 300 ml, stainless steel (pack of 50) Ident. No. 0020016319	<b>€ 729,00</b>

**DIS-50 tubes****DIS-300 tubes**

## /// ULTRA-TURRAX® T-Series Dispersers

### TECHNICAL DATA

/// Comparison

	<b>T 10 basic</b> Ident. No. 0003737000	<b>T 18 digital</b> Ident. No. 0003720000
Motor rating input / output	125 / 75 W	500 / 300 W
Volume range (H <sub>2</sub> O)	0,5 – 100 ml	1 – 1.500 ml
Viscosity max.	5.000 mPas	5.000 mPas
Speed range	8.000 – 30.000 rpm	3.000 – 25.000 rpm
Speed display	scale	LED
Speed control	stepless	stepless
Noise without element	65 dB(A)	75 dB(A)
Extension arm diameter	8 mm	13 mm
Extension arm length	100 mm	160 mm
Process type	batch	batch
Dimensions (W × D × H)	56 × 66 × 178 mm	87 × 106 × 271 mm
Weight	0,5 kg	2,5 kg
Perm. ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 30	IP 20
Interface	no	no
Voltage	230 V	220 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 1.259,00</b>	<b>€ 1.199,00</b>

Dispersing tools are not included in delivery.



**T 10 basic**

**T 18 digital**



**TECHNICAL DATA**  
/// Comparison

	<b>T 25 digital</b> Ident. No. 0003725000	<b>T 25 easy clean digital</b> Ident. No. 0025002560
Motor rating input / output	800 / 500 W	500 / 400 W
Volume range (H <sub>2</sub> O)	1 – 2.000 ml	1 – 2.000 ml
Viscosity max.	5.000 mPas	5.000 mPas
Speed range	3.000 – 25.000 rpm	3.000 – 25.000 rpm
Speed display	LED	LED
Speed control	stepless	stepless
Noise without element	75 dB(A)	75 dB(A)
Extension arm diameter	13 mm	13 mm
Extension arm length	160 mm	160 mm
Process type	batch	batch
Dimensions (W x D x H)	87 x 106 x 271 mm	89 x 161 x 270 mm
Weight	2,5 kg	3 kg
Perm. ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 20	IP 20
Interface	no	no
Voltage	220 – 240 V	220 – 240 V
Frequency	50 / 60 Hz	50 / 60 Hz
	<b>€ 1.749,00</b>	<b>€ 1.999,00</b>

Dispersing tools are not included in delivery.



**T 25 digital**

**T 25 easy clean digital**



**EC motor** for consistent and silent operation.



**Integrated timer.**



**USB interface** to control and document all parameters.

## /// ULTRA-TURRAX® T-Series Dispersers

### TECHNICAL DATA

/// Comparison

	<b>T 50 digital</b> Ident. No. 0003787000	<b>T 65 basic</b> Ident. No. 0004023500
Motor rating input / output	1.100 / 700 W	1.800 / 1.500 W
Volume range (H <sub>2</sub> O)	0,25 – 30 l	2 – 50 l
Viscosity max.	5.000 mPas	5.000 mPas
Speed range	600 – 10.000 rpm	7.200 rpm (fixed)
Speed display	LED	–
Speed control	stepless	fixed
Noise without element	72 dB(A)	75 dB(A)
Extension arm diameter	16 mm	flange
Extension arm length	220 mm	flange
Process type	batch	batch
Dimensions (W × D × H)	115 × 139 × 355 mm	185 × 400 × 450 mm
Weight	5,76 kg	26 kg
Perm. ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 20	IP 54
Interface	no	no
Voltage	220 – 240 V	3 × 400 V
Frequency	50 / 60 Hz	50 Hz
	<b>€ 2.799,00</b>	<b>€ 4.199,00</b>

Dispersing tools are not included in delivery.

	<b>T 65 digital</b> Ident. No. 0004234500
Motor rating input / output	2.600 / 2.200 W
Volume range (H <sub>2</sub> O)	2 – 50 l
Viscosity max.	5.000 mPas
Speed range	1.000 – 9.500 rpm
Speed display	LED
Speed control	stepless
Noise without element	75 dB(A)
Extension arm diameter	flange
Extension arm length	flange
Process type	batch
Dimensions (W × D × H)	300 × 400 × 390 mm
Weight	30 kg
Perm. ambient temperature	5 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 54
Interface	no
Voltage	3 × 400 V
Frequency	50 / 60 Hz
	<b>€ 7.255,00</b>

**T 50 digital**



**T 65 basic**



**T 65 digital**



## /// Dispersing tools | Accessories



### T 10 BASIC / STANDARD STAINLESS STEEL, STANDARD

/// Comparison

	<b>S 10 N – 5 G</b> Ident. No. 0003304000	<b>S 10 N – 8 G</b> Ident. No. 0003305500
Working range (H <sub>2</sub> O)	0,5 – 10 ml	1 – 50 ml
Stator / Rotor diameter	5 / 3,8 mm	8 / 6,1 mm
Gap between rotor and stator	0,1 mm	0,25 mm
Min. / max. immersion depth	20 / 75 mm	20 / 95 mm
Shaft length	92 mm	115 mm
Circumferential speed max.	6 m/s	9,6 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 1.099,00</b>	<b>€ 1.099,00</b>



### S 10 N – 10 G

Ident. No. 0003370100

1 – 100 ml

10 / 7,6 mm

0,2 mm

20 / 100 mm

115 mm

11,9 m/s

PTFE, AISI 316L

**€ 1.099,00**

### Sawtooth (ST) Dispersing tools

- › ST tools are used for the dispersion of fibrous samples
- › the sawtooth was developed for the cutting, tearing and shredding of fibrous materials
- › manufactured from high-quality stainless steel



### T 10 BASIC / STANDARD STAINLESS STEEL, SAWTOOTH

/// Comparison

	<b>S 10 N – 8 G – ST</b> Ident. No. 0004446500	<b>S 10 N – 10 G – ST</b> Ident. No. 0004446700
Working range (H <sub>2</sub> O)	1 – 50 ml	1 – 100 ml
Stator / Rotor diameter	8 / 6,1 mm	10 / 7,5 mm
Gap between rotor and stator	0,25 mm	0,25 mm
Min. / max. immersion depth	20 / 95 mm	23 / 100 mm
Shaft length	115 mm	115 mm
Circumferential speed max.	9,6 m/s	11,8 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 1.149,00</b>	<b>€ 1.149,00</b>



### T 10 BASIC / STANDARD PLASTIC, DISPOSABLE

/// Comparison

	<b>S 10 D – 7 G – KS – 65</b> Ident. No. 0020002076 (24 Pcs)	<b>S 10 D – 7 G – KS – 110</b> Ident. No. 0020002075 (24 Pcs)
Working range (H <sub>2</sub> O)	1 – 20 ml	1 – 40 ml
Stator / Rotor diameter	7 / 4,8 mm	7 / 4,8 mm
Gap between rotor and stator	0,3 mm	0,3 mm
Min. / max. immersion depth	20 / 45 mm	20 / 90 mm
Shaft length	65 mm	110 mm
Circumferential speed max.	7,5 m/s	7,5 m/s
Materials in contact with medium	Polycarbonate (PC) Polysulfone (PSU)	Polycarbonate (PC) Polysulfone (PSU)
	<b>€ 349,00</b>	<b>€ 399,00</b>

## /// Dispersing tools | Accessories

### T 18 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison

	<b>S 18 N – 10 G</b> Ident. No. L004639	<b>S 18 N – 19 G</b> Ident. No. L004640
Working range (H <sub>2</sub> O)	1 – 100 ml	10 – 1.500 ml
Stator / Rotor diameter	10 / 7,5 mm	19 / 12,7 mm
Gap between rotor and stator	0,35 mm	0,4 mm
Min. / max. immersion depth	25 / 70 mm	35 / 170 mm
Shaft length	108 mm	204 mm
Circumferential speed max.	9,8 m/s	16,6 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 868,00</b>	<b>€ 868,00</b>



### T 18 DIGITAL PLASTIC, DISPOSABLE

/// Comparison

	<b>S 18 D – 10 G – KS</b> Ident. No. 0003452400 (12 Pcs)	<b>S 18 D – 14 G – KS</b> Ident. No. 0003452300 (12 Pcs)
Working range (H <sub>2</sub> O)	10 – 100 ml	10 – 500 ml
Stator / Rotor diameter	10 / 6,75 mm	14 / 9,5 mm
Gap between rotor and stator	0,25 mm	0,35 mm
Min. / max. immersion depth	15 / 85 mm	15 / 85 mm
Shaft length	150 mm	150 mm
Circumferential speed max.	8,5 m/s	12 m/s
Materials in contact with medium	Polycarbonate (PC) Polyether ether ketone (PEEK)	Polycarbonate (PC) Polyether ether ketone (PEEK)
	<b>€ 209,00</b>	<b>€ 209,00</b>



### Disposable tube S 18 / 25-ET50

- › for clip-fitting to plastic tools for the S 18 D and S 25 D lines
- › material PP

Ident. No. 0003452500

**€ 4,00**

### T 25 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison

	<b>S 25 N – 8 G</b> Ident. No. 0001024200	<b>S 25 N – 10 G</b> Ident. No. 0000594000
Working range (H <sub>2</sub> O)	1 – 50 ml	1 – 100 ml
Stator / Rotor diameter	8 / 6,1 mm	10 / 7,5 mm
Gap between rotor and stator	0,25 mm	0,35 mm
Min. / max. immersion depth	27 / 85 mm	22 / 85 mm
Shaft length	108 mm	105 mm
Circumferential speed max.	8,0 m/s	9,8 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 1.199,00</b>	<b>€ 839,00</b>



## /// Dispersing tools | Accessories



### T 25 DIGITAL STAINLESS STEEL, SAWTOOTH

/// Comparison

	<b>S 25 N – 8 G – ST</b> Ident. No. 0004446900	<b>S 25 N – 10 G – ST</b> Ident. No. 0004447100
Working range (H <sub>2</sub> O)	1 – 50 ml	1 – 100 ml
Stator / Rotor diameter	8 / 6,1 mm	10 / 7,5 mm
Gap between rotor and stator	0,25 mm	0,35 mm
Min. / max. immersion depth	27 / 85 mm	22 / 85 mm
Shaft length	108 mm	105 mm
Circumferential speed max.	8,0 m/s	9,8 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 1.249,00</b>	<b>€ 889,00</b>



### T25 EASY CLEAN DIGITAL STAINLESS STEEL, SLIDE RING SEAL

/// Comparison

	<b>S 25 EC – C – 18G – ST</b> Ident. No. 00250025800
Working range (H <sub>2</sub> O)	10 – 1.500 ml
Stator / Rotor diameter	18 / 13,4 mm
Gap between rotor and stator	0,25 mm
Min. / max. immersion depth	35 / 150 mm
Shaft length	191 mm
Circumferential speed max.	17,5 m/s
Materials in contact with medium	AISI 316L, ceramic
	<b>€ 1.199,00</b>



### T 25 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison

	<b>S 25 N – 18 G</b> Ident. No. 0000593400
Working range (H <sub>2</sub> O)	10 – 1.500 ml
Stator / Rotor diameter	18 / 12,7 mm
Gap between rotor and stator	0,3 mm
Min. / max. immersion depth	40 / 165 mm
Shaft length	194 mm
Circumferential speed max.	16,6 m/s
Materials in contact with medium	PTFE, AISI 316L
	<b>€ 899,00</b>



## /// Dispersing tools | Accessories

### T 25 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison

	<b>S 25 N – 25 G</b> Ident. No. 0001713300	<b>S 25 N – 25 F</b> Ident. No. 0001713800
Working range (H <sub>2</sub> O)	50 – 2.000 ml	100 – 2.000 ml
Stator / Rotor diameter	25 / 17 mm	25 / 18 mm
Gap between rotor and stator	0,5 mm	0,5 mm
Min. / max. immersion depth	40 / 165 mm	40 / 165 mm
Shaft length	194 mm	194 mm
Circumferential speed max.	22,2 m/s	23,6 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 1.149,00</b>	<b>€ 1.249,00</b>



### T 25 DIGITAL STAINLESS STEEL, SAWTOOTH

/// Comparison

	<b>S 25 – KD – 18 G – ST</b> Ident. No. 0020002973	<b>S 25 – KD – 25 G – ST</b> Ident. No. 0020002974
Working range (H <sub>2</sub> O)	10 – 1.500 ml	50 – 2.000 ml
Stator / Rotor diameter	18 / 13,4 mm	20 / 20 mm
Gap between rotor and stator	0,25 mm	0,5 mm
Min. / max. immersion depth	40 – 185 mm	40 – 185 mm
Shaft length	194 mm	194 mm
Circumferential speed max.	–	–
Materials in contact with medium	PTFE, AISI 316L, ceramic	PTFE, AISI 316L, ceramic
	<b>€ 1.149,00</b>	<b>€ 1.449,00</b>



### T 25 DIGITAL STAINLESS STEEL, SAWTOOTH

/// Comparison

	<b>S 25 N – 18 G – ST</b> Ident. No. 0004447300	<b>S 25 N – 25 G – ST</b> Ident. No. 0004447500
Working range (H <sub>2</sub> O)	10 – 1.500 ml	50 – 2.000 ml
Stator / Rotor diameter	18 / 13,4 mm	25 / 20 mm
Gap between rotor and stator	0,25 mm	0,5 mm
Min. / max. immersion depth	40 / 165 mm	40 / 165 mm
Shaft length	194 mm	194 mm
Circumferential speed max.	17,5 m/s	26,2 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 949,00</b>	<b>€ 1.199,00</b>



### T 25 DIGITAL STAINLESS STEEL, BALL BEARING WITH PTFE SEAL

/// Comparison

	<b>S 25 – KD – 18 G</b> Ident. No. 0020002971	<b>S 25 – KD – 25 G</b> Ident. No. 0020002972
Working range (H <sub>2</sub> O)	10 – 1.500 ml	50 – 2.000 ml
Stator / Rotor diameter	18 / 12,7 mm	25 / 17 mm
Gap between rotor and stator	0,3 mm	0,5 mm
Min. / max. immersion depth	40 / 185 mm	40 / 185 mm
Shaft length	194 mm	194 mm
Circumferential speed max.	–	–
Materials in contact with medium	PTFE, AISI 316L, ceramic	PTFE, AISI 316L, ceramic
	<b>€ 1.099,00</b>	<b>€ 1.399,00</b>



**T 25 DIGITAL STAINLESS STEEL, BALL BEARING WITH PTFE SEAL**

/// Comparison

**S 25 – KD – 25 F**

Ident. No. 0020002975

Working range (H <sub>2</sub> O)	100 – 2.000 ml
Stator / Rotor diameter	25 / 18 mm
Gap between rotor and stator	0,5 mm
Min. / max. immersion depth	40 / 185 mm
Shaft length	194 mm
Circumferential speed max.	23,6 m/s
Materials in contact with medium	PTFE, AISI 316L, ceramic

**€ 1.499,00****T 25 DIGITAL STAINLESS STEEL, SLIDE RING SEAL**

/// Comparison

**S 25 KV – 25 F**

Ident. No. 0002404000

Working range (H <sub>2</sub> O)	100 – 2.000 ml
Stator / Rotor diameter	25 / 18 mm
Gap between rotor and stator	0,5 mm
Min. / max. immersion depth	40 / 225 mm
Shaft length	270 mm
Circumferential speed max.	23,6 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L

**€ 1.849,00****T 25 DIGITAL STAINLESS STEEL, SLIDE RING SEAL**

/// Comparison

**S 25 KV – 18 G**

Ident. No. 0002348000

**S 25 KV – 25 G**

Ident. No. 0002466900

Working range (H <sub>2</sub> O)	10 – 1.500 ml	50 – 2.500 ml
Stator / Rotor diameter	18 / 12,7 mm	25 / 17 mm
Gap between rotor and stator	0,3 mm	0,5 mm
Min. / max. immersion depth	40 / 225 mm	40 / 225 mm
Shaft length	270 mm	270 mm
Circumferential speed max.	16,6 m/s	22,2 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L

**€ 1.716,00****€ 1.749,00****T 25 DIGITAL PLASTIC, DISPOSABLE**

/// Comparison

**S 25 D – 10 G – KS**

Ident. No. 0003452200

**S 25 D – 14 G – KS**

Ident. No. 0003452100

Working range (H <sub>2</sub> O)	10 – 100 ml	10 – 500 ml
Stator / Rotor diameter	10 / 6,75 mm	14 / 9,5 mm
Gap between rotor and stator	0,15 mm	0,2 mm
Min. / max. immersion depth	15 / 85 mm	15 / 85 mm
Shaft length	150 mm	150 mm
Circumferential speed max.	8,5 m/s	12 m/s
Materials in contact with medium	PC, PEEK	PC, PEEK

**€ 209,00****€ 209,00**

## /// Dispersing tools | Accessories



### TECHNICAL DATA

/// TS 25-3, Ident. No. 0020003013

#### Fits the following dispersing elements

S 25 N – 18 G / 18 G – ST

S 25 N – 25 G / F / 25 G – ST

S 25 KD – 18 G / 18 G – ST

S 25 KD – 25 G / 25 F / 25 G – ST

S 25 KV – 18 G / 25 G / 25 F



### TECHNICAL DATA

/// Silentstream, Ident. No. 0003754000

Fits for all dispersing elements with  
a stor diameter of 18, 19 or 25 mm.



### TS 25-3 cleaning tool

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  
**€ 79,00**

### CT.15

- › cleaning tube
- › 15 pieces

Ident. No. 0020006595  
**€ 104,00**



### Silentstream

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

Ident. No. 0003754000  
**€ 16,00**



## /// Dispersing tools | Accessories

### T 50 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison



	<b>S 50 N – G 45 G</b> Ident. No. 0008003000	<b>S 50 N – G 45 M</b> Ident. No. 0008003300
Working range (H <sub>2</sub> O)	0,5 – 20 l	0,5 – 15 l
Stator / Rotor diameter	45 / 36 mm	45 / 40,5 mm
Gap between rotor and stator	0,5 mm	0,25 mm
Min. / max. immersion depth	70 / 250 mm	70 / 250 mm
Shaft length	300 mm	290 mm
Circumferential speed max.	18,8 m/s	21,2 m/s
Materials in contact with medium	PTFE, AISI 316L	PTFE, AISI 316L
	<b>€ 2.390,00</b>	<b>€ 2.629,00</b>

### T 50 DIGITAL STAINLESS STEEL, STANDARD

/// Comparison



	<b>S 50 N – G 45 F</b> Ident. No. 0008003900
Working range (H <sub>2</sub> O)	0,25 – 10 l
Stator / Rotor diameter	45 / 40 mm
Gap between rotor and stator	0,5 mm
Min. / max. immersion depth	70 / 250 mm
Shaft length	290 mm
Circumferential speed max.	20,9 m/s
Materials in contact with medium	PTFE, AISI 316L
	<b>€ 2.759,00</b>

### T 50 DIGITAL STAINLESS STEEL, SLIDE RING SEAL

/// Comparison



	<b>S 50 KG – HH – G 45 G</b> Ident. No. 0008003200	<b>S 50 KG – HH – G 45 M</b> Ident. No. 0008003500
Working range (H <sub>2</sub> O)	0,5 – 20 l	0,5 – 15 l
Stator / Rotor diameter	45 / 36 mm	45 / 40,5 mm
Gap between rotor and stator	0,5 mm	0,25 mm
Min. / max. immersion depth	70 / 260 mm	70 / 250 mm
Shaft length	300 mm	300 mm
Circumferential speed max.	18,8 m/s	21,2 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
	<b>€ 3.618,00</b>	<b>€ 3.857,00</b>

### T 50 DIGITAL STAINLESS STEEL, SLIDE RING SEAL

/// Comparison



	<b>S 50 KG – HH – G 45 F</b> Ident. No. 0008004100
Working range (H <sub>2</sub> O)	0,25 – 10 l
Stator / Rotor diameter	45 / 40 mm
Gap between rotor and stator	0,5 mm
Min. / max. immersion depth	70 / 250 mm
Shaft length	290 mm
Circumferential speed max.	20,9 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L
	<b>€ 3.987,00</b>

## /// Dispersing tools | Accessories

### T 50 DIGITAL STAINLESS STEEL /// Comparison

	<b>S 50 KG-HH-G 45 G-ST</b> Ident. No. 0010000648	<b>S 50 N - G 45 G - ST</b> Ident. No. 0008039500
Working range (H <sub>2</sub> O)	0,5 – 20 l	0,5 – 15 l
Stator / Rotor diameter	45 / 36 mm	45 / 40,5 mm
Gap between rotor and stator	0,5 mm	0,25 mm
Min. / max. immersion depth	70 / 250 mm	70 / 250 mm
Shaft length	300 mm	290 mm
Circumferential speed max.	–	19.9 m/s
Materials in contact with medium	FFPM, SIC, AISI 316L	PTFE, AISI 316L
	<b>€ 3.618,00</b>	<b>€ 2.390,00</b>

### T 50 DIGITAL STAINLESS STEEL, SLIDE RING SEAL /// Comparison

	<b>S 50 KD - G 45 G</b> Ident. No. 001000629	<b>S 50 KD - G 45 F</b> Ident. No. 0010000631
Working range (H <sub>2</sub> O)	0,5 – 15 ml	0,5 – 20 ml
Stator / Rotor diameter	45 / 40,5 mm	45 / 36 mm
Gap between rotor and stator	0,25 mm	0,5 mm
Min. / max. immersion depth	70 / 250 mm	70 / 260 mm
Shaft length	300 mm	300 mm
Circumferential speed max.	21,2 m/s	18,8 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
	<b>€ 3.210,00</b>	<b>€ 3.579,00</b>



### T 50 DIGITAL STAINLESS STEEL, BRONZE BEARINGS /// Comparison

	<b>S 50 KD - G 45 G - ST</b> Ident. No. 0010000632	<b>S 50 KD - G 45 M</b> Ident. No. 0010000630
Working range (H <sub>2</sub> O)	0,5 – 20 l	0,5 – 15 l
Stator / Rotor diameter	45 / 36 mm	45 / 40,5 mm
Gap between rotor and stator	0,5 mm	0,25 mm
Min. / max. immersion depth	70 / 250 mm	70 / 250 mm
Shaft length	300 mm	290 mm
Circumferential speed max.	–	–
Materials in contact with medium	AISI 316L, Bronze	AISI 316L, Bronze
	<b>€ 3.210,00</b>	<b>€ 3.449,00</b>

### T 50 DIGITAL STAINLESS STEEL, WITH SPECIAL DISPERSING ELEMENT /// Comparison

	<b>R 50 Stirringshaft „high speed“</b> Ident. No. 0001689300*
Working range (H <sub>2</sub> O)	0,25 – 30 l
Material	stainless steel (AISI 316L)
Generator diameter	–
Min. / max. immersion depth	180 mm
Available Seals	–
	<b>€ 1.678,00</b>

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

## /// Dispersing tools | Accessories

### T 65 BASIC / DIGITAL STAINLESS STEEL, CERAMIC BEARING /// Comparison

	<b>S 65 C - G 65 G</b> Ident. No. 0010001665	<b>S 65 C - G 65 M</b> Ident. No. 0010001666	<b>S 65 C - G 65 F</b> Ident. No. 0010001667
Working range (H <sub>2</sub> O)	2 – 50 l	2 – 40 l	2 – 30 l
Stator / Rotor diameter	65 / 53 mm	65 / 53 mm	65 / 53 mm
Gap between rotor and stator	0,5 mm	0,5 mm	0,5 mm
Min. / max. immersion depth	90 – 450 mm	90 – 450 mm	90 – 450 mm
Shaft length	520 mm	520 mm	520 mm
Circumferential speed max.	–	–	–
Materials in contact with medium	AISI 316L, ceramic	AISI 316L, ceramic	AISI 316L, ceramic
	<b>€ 3.164,00</b>	<b>€ 3.409,00</b>	<b>€ 3.559,00</b>



### T 50 DIGITAL STAINLESS STEEL, WITH SPECIAL DISPERSING ELEMENT /// Comparison

	<b>S 50 N – W 65 SK</b> <b>Cutting head</b> Ident. No. 0008005100	<b>S 50 N – W 80 SMK</b> <b>Jet mixer head</b> Ident. No. 0008006300
Working range (H <sub>2</sub> O)	1 – 10 l	1 – 50 l
Stator / Rotor diameter	–	–
Max. permissible rotor diameter	–	–
Material	–	–
Generator diameter	65 mm	80 mm
Min. / max. immersion depth	80 / 350 mm	140 / 350 mm
Available Seals	S 50 N	S 50 N
	<b>€ 2.681,00</b>	<b>€ 2.508,00</b>

### T 65 BASIC / DIGITAL STAINLESS STEEL, BALL BEARING WITH PTFE SEAL /// Comparison

	<b>S 65 KD – G 65 G</b> Ident. No. 0010000641	<b>S 65 KD – G 65 M</b> Ident. No. 0010000642	<b>S 65 KD – G 65 F</b> Ident. No. 0010000643
Working range (H <sub>2</sub> O)	2 – 50 l	2 – 40 l	2 – 30 l
Stator / Rotor diameter	65 / 53 mm	65 / 58 mm	65 / 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
Circumferential speed max.	–	–	–
Materials in contact with medium	AISI 316L, ceramic, PTFE	AISI 316L, ceramic, PTFE	AISI 316L, ceramic, PTFE
	<b>€ 3.256,00</b>	<b>€ 3.501,00</b>	<b>€ 3.651,00</b>

## /// Dispersing tools | Accessories



### T 65 BASIC | DIGITAL STAINLESS STEEL, SLIDE RING SEAL

/// Comparison

	<b>S 65 KG – HH – G 65 G</b> Ident. No. 0008005500	<b>S 65 KG – HH – G 65 M</b> Ident. No. 0008005700
Working range (H <sub>2</sub> O)	2 – 50 l	2 – 40 l
Stator / Rotor diameter	65 / 58 mm	65 / 58 mm
Gap between rotor and stator	0,5 mm	0,5 mm
Min. / max. immersion depth	90 / 450 mm	80 / 450 mm
Shaft length	520 mm	510 mm
Circumferential speed max.	21,9 m/s	21,9 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L	FFPM / SIC, AISI 316L
	<b>€ 3.624,00</b>	<b>€ 3.869,00</b>



### T 65 BASIC | DIGITAL STAINLESS STEEL, SLIDE RING SEAL

/// Comparison

	<b>S 65 KG – HH – G 65 F</b> Ident. No. 0008005900
Working range (H <sub>2</sub> O)	2 – 30 l
Stator / Rotor diameter	65 / 58 mm
Gap between rotor and stator	0,5 mm
Min. / max. immersion depth	80 / 450 mm
Shaft length	500 mm
Circumferential speed max.	21,9 m/s
Materials in contact with medium	FFPM / SIC, AISI 316L
	<b>€ 4.019,00</b>



### T 65 BASIC | DIGITAL DISSOLVER DISC FOR DISPERSING ELEMENTS

/// Comparison

	<b>D 60</b> Ident. No. 0020008388	<b>D 80</b> Ident. No. 0020008389
Working range (H <sub>2</sub> O)	2 – 30 l	2 – 50 l
Stator / Rotor diameter	– / 60 mm	– / 80 mm
Gap between rotor and stator	–	–
Min. / max. immersion depth	90 / 450 mm	90 / 450 mm
Shaft length	520 mm	520 mm
Circumferential speed max.	29,8 m/s	39,8 m/s
Materials in contact with medium	FKM, PTFE, AISI 316L	FKM, PTFE, AISI 316L
	<b>€ 384,00</b>	<b>€ 439,00</b>

## /// Dispersing tools | Accessories

DISPERSING INSTRUMENT NOMENCLATURE /// Comparison			
	<b>T 10 basic</b>	<b>T 18 digital</b>	<b>T 25 digital</b>
Dispersing element Shaft / Agitator shaft	S 10	S 18	S 25
With seal or bearing type*	N	N	N / KV / KD
With outer diameter (mm)	5 / 8 / 10	10 / 19	8/10/18/19/25
Wideness of the slots**	G	G	G / F

DISPERSING INSTRUMENT /// Comparison		
	<b>T 50 digital</b>	<b>T 65 basic   digital</b>
Dispersing element Shaft / Agitator shaft	S / R 50	S 65
With seal or bearing type*	N / KG – HH / KD	KG – HH / KD
With outer diameter (mm)	45 / 65 / 80	65 / 80
Wideness of the slots**	G / F / M	G / F / M

\*\* **G** = Coarse

**M** = Medium

**F** = Fine

\* **type of sealing**

N = PTFE bearing

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

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

KD = Ball bearing with FKM or FFPM seal

## /// magic LAB

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.

### TECHNICAL DATA

/// Comparison

#### magic LAB

Ident. No. U078310

Motor power	900 W
Speed range	3.000 – 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
Product temperature in short time operation (up to 18 min/h)	up to 120 °C
Materials in contact with medium	stainless steel (AISI 316L and AISI 316Ti)
Sealing material	PTFE-compound
Elastomer material	FPM
Dimensions (W × D × H)	170 × 270 × 215 mm

€ 7.580,00



Materials in contact with medium made of **stainless steel**.



**7 interchangeable modules** available.

- › suitable for a wide range of applications
- › ideal for inline processing in 1-pass continuous or batch in recirculation
- › safe scale-up due to many constant processing parameters

- › modular construction
- › double jacket for 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

## /// magic LAB

### TECHNICAL DATA

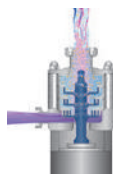
/// Comparison

#### Module DISPAX-REACTOR® DR

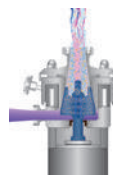
Ident. No. U078352

Flow rate	80 l/h (H <sub>2</sub> O)
Standard rotational speed	14.600 rpm
Circumferential speed	23 m/s

€ 1.220,00



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



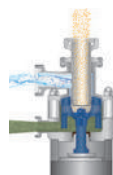
#### Module colloid mill MK

Ident. No. U076662

Flow rate	200 l/h (H <sub>2</sub> O)**
Standard rotational speed	14.600 rpm
Circumferential speed	23 m/s*

€ 2.770,00

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.



#### Module CMS

Ident. No. U075333

Flow rate	1.000 l/h (H <sub>2</sub> O)**
Standard rotational speed	11.000 rpm
Circumferential speed	19,5 m/s*

€ 2.460,00

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

### magic Lab with Module UTC

Dispersing / mixing in batch operation.



### CMS Periphery

The integrated solution for wetting of most difficult powders.



\* At standard rotational speed.

\*\* At minimal gap between the rotor and stator.

## /// magic LAB

### TECHNICAL DATA

/// Comparison

#### Module cone mill MKO

Ident. No. U079664

Flow rate	25 l/h (H <sub>2</sub> O)
Standard rotational speed	14.600 rpm
Circumferential speed	23 m/s

€ 2.770,00

MHD = mixing,  
homogenising, dispersing

#### Module MHD

Ident. No. U075262

Flow rate	60 l/h (H <sub>2</sub> O)**
Standard rotational speed	14.600 rpm
Circumferential speed	23 m/s*

€ 2.170,00

#### Module corundum disk mill MCD

Ident. No. 20001675

Flow rate	1 – 20 kg/h **
Standard rotational speed	12.000 rpm
Circumferential speed	19,5 m/s*

€ 2.770,00



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.



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%.



Finest wet milling of granular, viscous and pasty products by means of two corundum disks. High shear forces mill the product finely between the rotor and the axially movable stator.

### Modul Micro-Plant

1 liter single wall hopper with recirculation line and 3-way-valve.

### Modul Micro-Plant

2 liter double jacketed hopper with recirculation line and 3-way-valve. Optional lid for operation under pressure/vacuum.



\* At standard speed.

\*\* At minimal gap between the rotor and stator.



# Crushing

## /// Mills

IKA laboratory mills are ideal for grinding, pulverizing or chopping samples for routine analyses, either in batch or continuous operation. Grinding results are achieved up to 1 µm particle size or 0.25 mm defined ultimate fineness. Due to a broad spectrum of easily interchangeable beaters and cutters, IKA mills are highly effective for a variety of applications and can also be scaled up for larger volumes.



**Digital timer.**



**Interval operation** and easy operation by foil keypad.



**Quiet operation.**

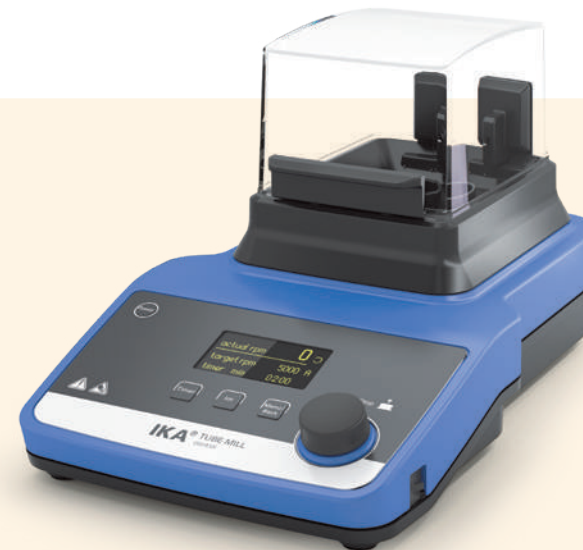


**Error code display.**



The Tube Mill control complies with all guidelines of the **ICH Q3D** „Guideline for Elemental Impurities“.

PATENTED!



**Tube Mill control**  
batch mill with disposable grinding chamber

Ident. No. 0004180000  
**€ 1.799,00**



German  
Design Award  
NOMINEE



reddot design award  
winner 2013

## /// Mills

### TECHNICAL DATA /// Comparison

	<b>Tube Mill control</b> Ident. No. 0004180000*	<b>Tube Mill 100 control</b> Ident. No. 0020007144
Motor rating input / output	100 / 80 W	100 / 80 W
Speed range	5.000 – 25.000 rpm	5.000 – 25.000 rpm
Useful volume	40 ml	100 ml
Duty cycle (ON / OFF)	5 s – 3 min (timer)	5 s – 3 min (timer)
Circumferential speed	65 m/s	65 m/s
Max. feed hardness	5 Mohs	5 Mohs
Max. feed grain size	10 mm	10 mm
Grinding chamber material	transparent plastic (PP)	transparent plastic (PP)
Dimensions (W x D x H)	180 x 300 x 170 mm	180 x 300 x 212 mm
Weight	2,7 kg	2,8 kg
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 30	IP 30
	<b>€ 1.799,00</b>	<b>€ 1.999,00</b>

\* 2 x MT 40 and 1 x MMT 40 included in the delivery.



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Disposable grinding chamber, 40 ml</b>		
MT 40 P.10 Ident. No. 0020017838	Disposable grinding chamber, twisted blade for powder mixing, 40 ml, 10 Pcs	<b>€ 88,00</b>
MT 40 P.100 Ident. No. 0020011531	Disposable grinding chamber, twisted blade for powder mixing, 40 ml, 100 Pcs	<b>€ 549,00</b>
MT 100.10 steril Ident. No. 0020012571	Disposable grinding chamber, 100 ml, 10 Pcs	<b>€ 127,00</b>
① MT 40.10 Ident. No. 0004425000	MT 40 Disposable grinding chamber, 40 ml, 10 Pcs	<b>€ 69,00</b>
MT 40.100 Ident. No. 0020001173	MT 40 Disposable grinding chamber, 40 ml, 100 Pcs	<b>€ 570,00</b>
② MTC 40/100.100 Ident. No. 0020001182	Cover for MT 40, 100 Pcs.	<b>€ 49,00</b>
③ MT 40.10 steril Ident. No. 0020001984	Disposable grinding chamber steril, 40 ml, 10 Pcs	<b>€ 112,00</b>
<b>④ Multiple grinding chamber, 40 ml</b>		
MMT 40.1 Ident. No. 0020003165	Stainless steel package includes 1 MMT 40 chamber, 25 sealings, 5 beaters, 5 couplings	<b>€ 207,00</b>
MMT 100.1 Ident. No. 0020016315	Multi-use Milling Tube 100 ml	<b>€ 225,00</b>
A-MMT 40.100 Ident. No. 0020003378	Abrasion set spare parts, includes 100 sealings, 10 beaters, 10 couplings	<b>€ 136,00</b>
<b>Disposable grinding chamber, 100 ml</b>		
⑤ MTT 40.10 Ident. No. 0020015380	Disposable grinding chamber, Titanium beater 40 ml, 10 Pcs	<b>€ 99,00</b>
MT 100.10 Ident. No. 0020008386	MT 100 Disposable grinding chamber, 100 ml, 10 Pcs.	<b>€ 85,00</b>
MT 100.50 Ident. No. 0020006984	MT 100 Disposable grinding chamber, 100 ml, 50 Pcs	<b>€ 395,00</b>

## /// Mills

### TECHNICAL DATA /// Comparison

	<b>A 10 basic – Batch mill</b> Ident. No. 0004020700**	<b>A 11 basic – Analytical mill</b> Ident. No. 0002900000
Motor rating input / output	300 / 240 W	160 / 100 W
Speed range	25.000 rpm (fixed)	28.000 rpm (fixed)
Useful volume	50 ml	80 ml (optional 250 ml)
Duty cycle (ON / OFF)	5 / 10 min	1 / 10 min
Overload protection	yes	yes
Circumferential speed	72 m/s	53 m/s
Max. feed hardness	5 Mohs*	6 Mohs*
Max. feed grain size	6 mm	10 mm
Grinding chamber material	stainless steel (AISI 316L)	stainless steel (AISI 316L)
Dimensions (W × D × H)	130 × 145 × 250 mm	85 × 85 × 240 mm
Weight	2,9 kg	1,5 kg
Permissible ambient temperature	5 – 40°C	5 – 40°C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 41	IP 43
	<b>€ 1.699,00</b>	<b>€ 1.999,00</b>

\* 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 A 10 basic.



### **M 20 Universal mill** Ident. No. 0001603600

Motor rating input / output	620 / 260 W
Speed range	20.000 rpm (fixed)
Useful volume	250 ml
Duty cycle (ON / OFF)	7 / 10 min
Overload protection	yes
Circumferential speed	72 m/s
Max. feed hardness	5 Mohs*
Max. feed grain size	7 mm
Grinding chamber material	stainless steel (AISI 316L)
Dimensions (W × D × H)	170 × 170 × 350 mm
Weight	6,6 kg
Permissible ambient temperature	5 – 50 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 21
	<b>€ 5.394,00</b>



Removable, easy to clean, high-quality steel chamber.



Double-walled grinding chamber.



## /// Continuously operating universal grinder

### TECHNICAL DATA /// Comparison

#### MF 10 basic

Ident. No. 0002836000

Motor rating input / output	1.000 / 500 W
Speed range	3.000 – 6.500 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 316L)
Dimensions (W × D × H)	320 × 300 × 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

**€ 4.014,00**



### TECHNICAL DATA /// Comparison

#### MF 10.1

**Cutting-grinding head**

Ident. No. 0002870900

#### MF 10.2

**Impact-grinding head**

Ident. No. 0002871000

Circumferential speed	22,5 m/s	31,4 m/s
Max. granularity of task	max. 15 mm	max. 10 mm
Dimensions incl. MF 10 basic	320 × 300 × 560 mm	320 × 300 × 450 mm
Weight incl. MF 10 basic	11,9 kg	12,4 kg
Grinding chamber material	stainless steel	stainless steel

**€ 3.001,00**

**€ 2.755,00**



## /// Mills | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>A 10 basic Accessories</b>		
①	A 10.1 Ident. No. 0025001680 Stainless steel cutter	€ 39,00
②	A 10.2 Ident. No. 0025001162 Star-shaped cutter	€ 121,00
③	A 10.3 Ident. No. 0025001161 Hard metal cutter	€ 224,00
④	A 10.4 Ident. No. 0025001664 Grinding chamber reduction	€ 88,00
<b>A 11 basic Accessories</b>		
⑤	A 11.1 Ident. No. 0002904600 Spare beater, stainless steel	€ 86,00
⑥	A 11.2 Ident. No. 0002905200 Cutting blade, stainless steel	€ 146,00
⑦	A 11.3 Ident. No. 0002983000 Beater, stainless steel, coated with chromium carbide	€ 186,00
⑧	A 11.4 Ident. No. 0002904100 Grinding chamber, polycarbonate, 250 ml	€ 507,00
⑨	A 11.5 Ident. No. 0002983100 Spare grinding chamber, Tefcel, 80 ml	€ 371,00
⑩	A 11.6 Ident. No. 0003302900 Double beater, titanium	€ 400,00
⑪	A 11.7 Ident. No. 0003048700 Funnel, jacket PTFE, sieve stainless steel	€ 203,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>M 20 Accessories</b>		
⑫	M 21 Ident. No. 0000328200 Spare cutter, stainless steel	€ 70,00
⑬	M 22 Ident. No. 0000521800 Hard metal cutter, tungsten carbide	€ 298,00
⑭	M 23 Ident. No. 0001443400 Star-shaped cutter, stainless steel	€ 139,00
⑮	M 20.1 Ident. No. 0008006200 Grinding chamber, 250 ml	€ 3.053,00
<b>MF 10 basic Accessories</b>		
⑯	MF 0.25 Ident. No. 0002938900 Sieve, Ø 0.25 mm	€ 316,00
	MF 0.5 Ident. No. 0002939000 Sieve, Ø 0.5 mm	€ 230,00
	MF 1.0 Ident. No. 0002939200 Sieve, Ø 1 mm	€ 230,00
	MF 2.0 Ident. No. 0002939400 Sieve, Ø 2 mm	€ 230,00
	MF 3.0 Ident. No. 0002939500 Sieve, Ø 3 mm	€ 251,00
	MF 4.0 Ident. No. 0002939600 Sieve, Ø 4 mm	€ 294,00

## /// Universal mill | Pilotina

### TECHNICAL DATA

/// Comparison

	<b>Pilotina MU</b> Ident. No. U105421	<b>Pilotina MC</b> Ident. No. U106466	<b>Pilotina MI</b> Ident. No. U106465
Motor power [kW]	3	1,5	1,5
Speed range [rpm]	1.500 – 4.500	1.500	3.000
Speed indication	digital	no	no
Capacity (depending on the final fineness) [kg/h]	approx. 60 – 80	approx. 60	approx. 80
Overload protection	yes	yes	yes
Circumferential speed [m/s]	9 – 34	9	22
Max. charging hardness	3 or 6 Mohs	3 Mohs	6 Mohs
Approx. max. charging size	65 × 60 or 25	65 × 60	25
Dimensions (W x D x H) [mm]	485 × 575 × 700	485 × 575 × 700	485 × 575 × 630
Weight, approx. [kg]	80	70	70
Protection type	IP 55	IP 55	IP 55
	<b>€ 21.900,00</b>	<b>€ 15.300,00</b>	<b>€ 16.600,00</b>



**Pilotina MU**  
The universal 2 in 1 mill for dry products.



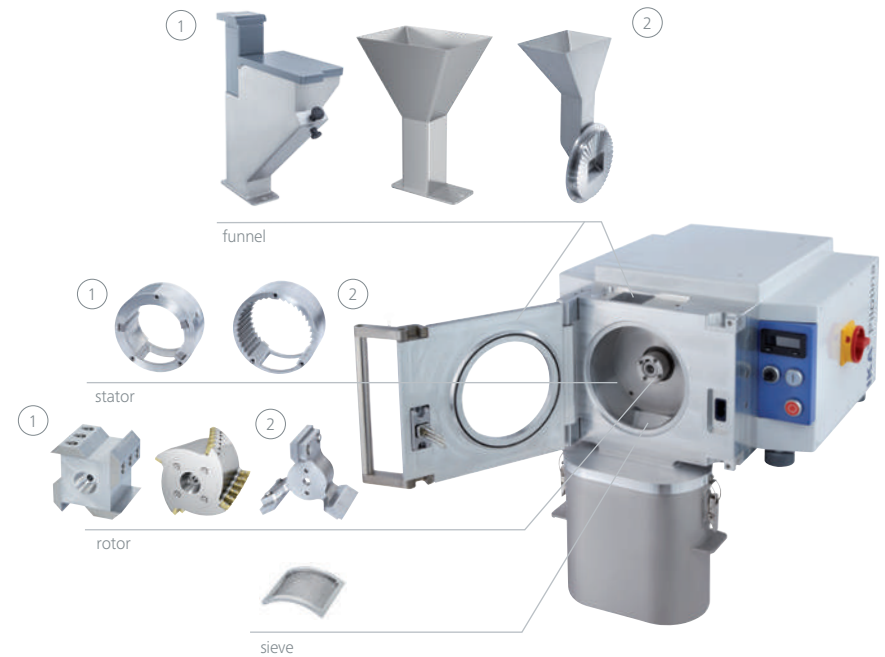
**Pilotina MC**  
The cutting mill system. The preeminent choice for the disintegration of smooth, sticky, elastic or fibrous materials.



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

### Pilotina MU

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.



# Heating / Tempering

/// 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!



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



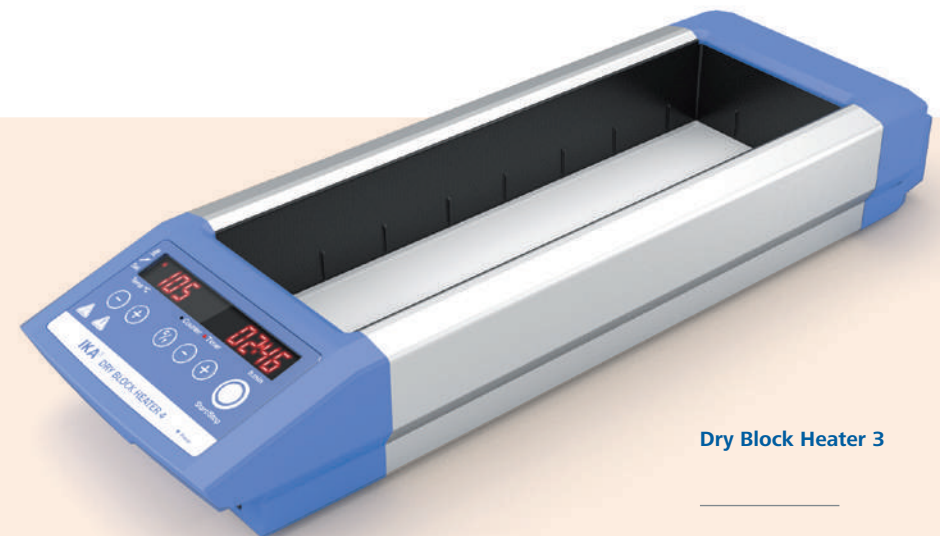
**A wide range** of interchangeable heating blocks to fit any sample tube or plate.



**External probe** for accurate temperature control.



**Timer display** for reproducible conditions, up / down arrows for set-point control.



**Dry Block Heater 3**

Ident. No. 0004025300  
**€ 1.219,00**

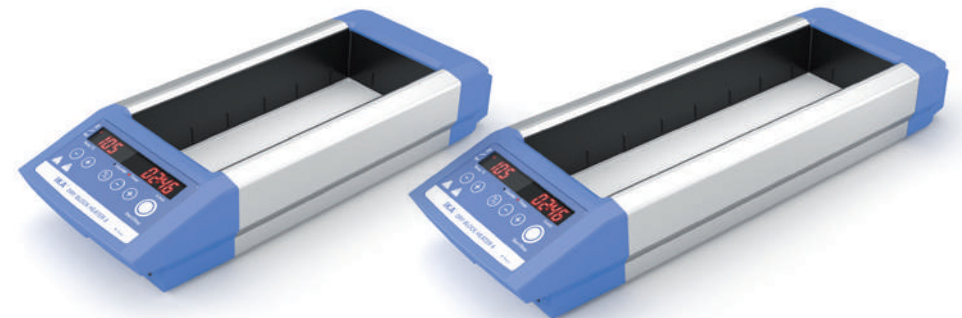
## /// Dry block heaters

### TECHNICAL DATA /// Comparison

	<b>Dry Block Heater 1</b> Ident. No. 0004025100*	<b>Dry Block Heater 2</b> Ident. No. 0004025200*
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 – 99h 59min	1 min – 99h 59min
Dimensions (W × D × H)	151 × 228 × 73 mm	151 × 304 × 73 mm
	<b>€ 929,00</b>	<b>€ 1.079,00</b>

	<b>Dry Block Heater 3</b> Ident. No. 0004025300*	<b>Dry Block Heater 4</b> Ident. No. 0004025400*
Number of blocks	3	4
Heat output	330 W	412 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 – 99h 59min	1 min – 99h 59min
Dimensions (W × D × H)	151 × 380 × 73 mm	151 × 456 × 73 mm
	<b>€ 1.219,00</b>	<b>€ 1.546,00</b>

\* PT 1000.60 temperature sensor included in the delivery of all the Dry block heaters.





## /// Dry block heaters | Accessories



### SINGLE BLOCK (95 × 76 × 51 mm)

/// Comparison

	Description	Holes Ø	No. of holes	Hole depth	Price
<b>V</b> Micro centrifuge tubes					
DB 1.1 Ident. No. 0004467600	Single block, PCR tubes 0,5 ml	Ø 7,9 mm	30	27,6 mm	€ 89,00
DB 1.2 Ident. No. 0004467700	Single block, Eppendorf tubes, 1,5 ml	Ø 11,5 mm	20	36,9 mm	€ 89,00
DB 1.3 Ident. No. 0004467800	Single block, VWR microtubes, 1,5 ml	Ø 11,1 mm	20	39,1 mm	€ 89,00
DB 1.4 Ident. No. 0004467900	Single block, Eppendorf tubes, 2,0 ml	Ø 10,9 mm	20	38,1 mm	€ 89,00
<b>U</b> Conical bottom centrifuge tubes					
DB 2.1 Ident. No. 0004468100	Single block, Conical tubes, 15 ml	Ø 17,1 mm	12	44,5 mm	€ 89,00
DB 2.2 Ident. No. 0004468200	Single block, Conical tubes, 50 ml	Ø 29,0 mm	5	47,6 mm	€ 89,00
<b>QU</b> Combination blocks					
DB 3.1 Ident. No. 0004468300	Single block, test tube combination, 6 / 12 / 13 / 25 mm	Ø 8,3 / Ø 13,9 / Ø 26,2 mm	6 / 5 / 3	48,4 / 48,4 / 48,4 mm	€ 89,00
DB 3.2 Ident. No. 0004468400	Single block, centrifuge combination, 1,5 / 15 / 50 ml	Ø 11,1 / Ø 17,1 / Ø 29,0 mm	4 / 3 / 2	39,1 / 44,5 / 47,6 mm	€ 89,00
DB 3.3 Ident. No. 0004468500	Single block, microtube combination, 0,5 / 1,5 / 2 ml	Ø 7,9 / Ø 11,1 / Ø 11,5 mm	6 / 10 / 5	27,6 / 39,1 / 38,1 mm	€ 89,00



## /// Dry block heaters | Accessories







### SINGLE BLOCK (95 × 76 × 51 mm)

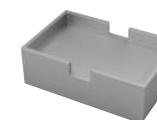
/// Comparison

	Description	Holes Ø	No. of holes	Hole depth	Price
<b>Standard test tubes</b>					
DB 4.1 Ident. No. 0004468600	Single block, Round tubes, 6 mm	Ø 8,3 mm	30	48,4 mm	€ 105,00
DB 4.2 Ident. No. 0004468700	Single block, Round tubes, 10 mm	Ø 10,7 mm	24	48,4 mm	€ 105,00
DB 4.4 Ident. No. 0004468900	Round tubes, 12 / 13 mm	Ø 13,9 mm	20	48,4 mm	€ 105,00
DB 4.5 Ident. No. 0004469000	Round tubes, 15 / 16 mm	Ø 17,5 mm	12	48,4 mm	€ 105,00
DB 4.6 Ident. No. 0004469100	Round tubes, 20 mm	Ø 21 mm	8	48,4 mm	€ 105,00
DB 4.7 Ident. No. 0004469200	Round tubes, 25 mm	Ø 26,2 mm	6	48,4 mm	€ 105,00
DB 4.8 Ident. No. 0004469300	Round tubes, 35 mm	Ø 35 mm	4	47,6 mm	€ 105,00
DB 4.9 Ident. No. 0004469400	Round tubes, 17 / 18 mm	Ø 19,1 mm	12	48,4 mm	€ 105,00
<b>Vials</b>					
DB 5.1 Ident. No. 0004469500	Single block, 12 mm vials	Ø 12,7 mm	20	30,0 mm	€ 105,00
DB 5.2 Ident. No. 0004469600	Single block, 15 mm vials	Ø 15,8 mm	20	35,0 mm	€ 105,00
DB 5.3 Ident. No. 0004469700	Single block, 17 mm vials	Ø 17,8 mm	12	45,0 mm	€ 105,00
DB 5.4 Ident. No. 0004469800	Single block, 19 mm vials	Ø 19,7 mm	12	45,0 mm	€ 105,00



## /// Dry block heaters | Accessories

 <b>SINGLE BLOCK (95 × 76 × 51 mm)</b> /// Comparison			No. of holes	Hole depth	Price
Description	Holes Ø				
 <b>Vials</b>					
DB 5.5 Ident. No. 0004469900	Single block, 21 mm vials	Ø 21,7 mm	9	45,0 mm	€ 105,00
DB 5.6 Ident. No. 0004470000	Single block, 23 mm vials	Ø 23,8 mm	8	45,0 mm	€ 105,00
DB 5.7 Ident. No. 0004470100	Single block, 25 mm vials	Ø 25,8 mm	8	45,0 mm	€ 105,00
DB 5.8 Ident. No. 0004470200	Single block, 28 mm vials	Ø 28,8 mm	6	45,0 mm	€ 105,00
DB 5.9 Ident. No. 0004470300	Single block, 16 mm vials	Ø 16,4 mm	15	45,0 mm	€ 105,00
 <b>PCR – plates, tubes, strips</b>					
DB 6.1 Ident. No. 0004470400	Single block, 10 × 8 PCR tube strips, 0,2 ml tubes	Ø 6,4 mm	80	15,5 mm	€ 89,00
DB 6.2 Ident. No. 0004470500	Single block, 64 PCR tubes, 0,2 ml tubes	Ø 6,4 mm	64	20,2 mm	€ 89,00
DB 6.3 Ident. No. 0004470600	Double block, 1 × 96-Well-PCR- Plate, 0,2 ml tubes	Ø 6,4 mm	96	15,5 mm	€ 139,00
 <b>Cuvettes</b>					
DB 8.1 Ident. No. 0004470700	Single block, 2 × 6 cuvettes, 12,5 mm	–	–	25,4 mm	€ 89,00



## /// Dry block heaters | Accessories

### DOUBLE BLOCK (95 x 152 x 57 mm) /// Comparison

Description	Holes Ø
<b>Microtiter plates</b>	
DB 7.1 Ident. No. 0004470800	Double block, 96- or 384-Well-Platte –

No. of holes	Hole depth	Price
–	13,5 mm	€ 139,00

### OTHER ACCESSORIES /// Comparison

Description	
<b>Temperature sensor</b>	
PT 1000.60 Ident. No. 0003516800	Temperature sensor, stainless steel, Ø 3 mm
PT 1000.90 Ident. No. 0004480600	Temperature sensor, stainless steel, coated with SafeCoat, Ø 3 mm

Price
€ 112,00
€ 157,00



# Heating / Tempering

## /// 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



**Ergonomic design.**



**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.



### TECHNICAL DATA

/// Comparison

	<b>C-MAG HP 4</b> Ident. No. 0003581600	<b>C-MAG HP 7</b> Ident. No. 0003581800	<b>C-MAG HP 10</b> Ident. No. 0003582000
Temperature display	digital	digital	digital
Heat output	250 W	1.000 W	1.500 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	ceramic	ceramic	ceramic
Dimensions (W x D x H) [mm]	150 x 260 x 105	220 x 330 x 105	300 x 415 x 105
Weight	3 kg	5 kg	6 kg
	<b>€ 471,00</b>	<b>€ 550,00</b>	<b>€ 703,00</b>



# Heating / Tempering

## /// 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.

 <b>TECHNICAL DATA</b> /// Comparison		
	<b>HB 10</b> Ident. No. 0004068000	<b>HBR 4 control</b> Ident. No. 0020003549*
Heat output	1.300 W	1.000 W
Temperature range	RT to 180 °C	RT to 200 °C
Setting tolerance	± 1 K	± 1 K
Deviation (3 l H <sub>2</sub> O, 90 °C)	± 1 K	± 1 K
Temperature display	digital	digital
Volume	3 l	4 l
Safety class acc. to DIN 12877	II	II
Adjustable safety circuit min / max	50 °C / 190 °C	50 °C / 210 °C
Material	stainless steel 1.4301	stainless steel 1.4301
Weight	3 kg	4.4 kg
Dimensions (W x D x H)	290 x 190 x 265 mm	340 x 340 x 250 mm
Interface	no	RS 232
ext. Sensor	no	yes
	<b>€ 1.562,00</b>	<b>€ 3.319,00</b>

\* PT 1000.60 temperature sensor included.



 <b>TECHNICAL DATA</b> /// Comparison		
	<b>Description</b>	<b>Price</b>
<b>HBR 4 digital Accessories</b>		
①	H 240 Ident. No. 0002858700 Ring set	<b>€ 472,00</b>
②	H 159 Ident. No. 0001809700 Intermediate bottom	<b>€ 215,00</b>



## /// Heating baths

### TECHNICAL DATA /// Comparison

	<b>HB eco</b> Ident. No. 0020016337	<b>HB digital</b> Ident. No. 0020016334
Heat output	1.350 W	1.350 W
Temperature range	RT to 99 °C	RT to 180 °C
Setting tolerance	± 1 K	± 1 K
Deviation (3 l H <sub>2</sub> O, 90 °C)	± 2 K	± 2 K
Temperature display	digital	digital
Volume	4 l	4 l
Safety class acc. to DIN EN 60529	IP 21	IP 21
Adjustable safety circuit min / max	+50 °C / +100 °C	+50 °C / +190 °C
Material	stainless steel 1.4301	stainless steel 1.4301
Weight	3 kg	3 kg
Dimensions (L x B x H)	330 x 325 x 190 mm	330 x 325 x 190 mm
	<b>€ 911,00</b>	<b>€ 1.135,00</b>



**Ergonomic handles.**



Easy start and stop of the heating bath by **push-button** control.



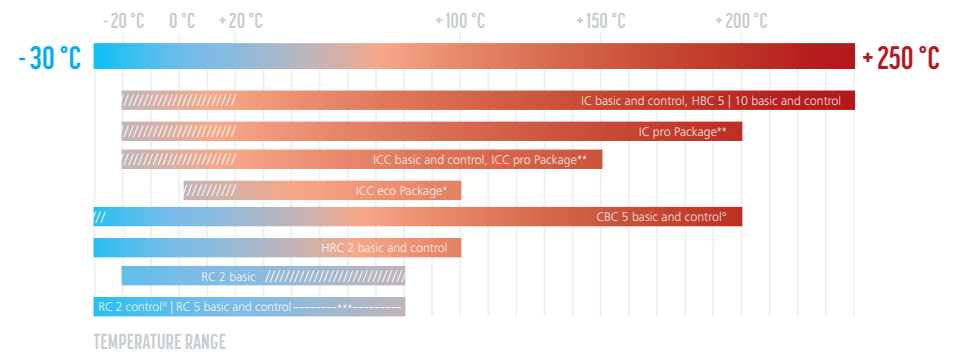
The bath heats up to a temperature of up to **90 °C**.



# Heating / Cooling

/// Temperature control

IKA offers a wide range of high-precision temperature control systems according to DIN 12876 for temperature ranges of -30 °C to 250 °C. The product portfolio includes immersion circulators, heating bath circulators and recirculating chillers. Precise technology and user-friendly design make Temperature control easy for any application. All IKA Temperature control instruments meet the highest standards in terms of safety, power and intelligence. In addition, IKA provides a wide range of accessories for its Temperature control systems such as baths, bridges, thermal fluids and much more.





## /// Immersion circulators

### TECHNICAL DATA /// Comparison

#### ICC basic | control

Ident. No. 0004134400 |  
0004136600

Appliance type	Compact immersion circulator
Heater capacity (230 / 115 V)	2.000 / 1.000 W
Temperature range	RT +10 °C to 150 °C
Temperature display	LED   TFT
Temperature stability DIN 12876	± 0,02 K   ± 0,01 K
Max. flow rate	18 l / min
Max. pump pressure	0,3 bar
Min. suction pressure	0,2 bar
Dimensions (W × D × H)	147 × 158 × 340 mm
USB / RS 232 interface	yes
PT 100 interface	no   yes

€ 900,00 | € 1.400,00

BESTSELLER!



### TECHNICAL DATA /// Comparison

#### IC basic | control

Ident. No. 0003861000 |  
0003863000\*\*

Appliance type	Immersion circulator
Heater capacity (230 / 115 V)	2.500 / 1.250 W
Temperature range	RT +10 °C to 250 °C*
Temperature display	LED   TFT
Temperature stability DIN 12876	± 0,02 K   ± 0,01 K
Max. flow rate	31 l / min
Max. pump pressure	0,61 bar
Min. suction pressure	0,45 bar
Dimensions (W × D × H)	285 × 291 × 313 mm
USB / RS 232 interface	yes
PT 100 interface	yes

€ 2.150,00 | € 2.800,00

\* Possible operating temperatures with cooling coil: -20 to 250 °C.

\*\* CC 1 cooling coil included in delivery.



## /// Compact immersion circulator packages



### ICC Package 1

- › ICC basic / control head
- › Bath bridge
- › Bath vessel

from € 1.215,00

### ICC Package 2

- › ICC basic / control head
- › Bath bridge
- › Bath vessel
- › Cover
- › Pump connection set
- › Cooling coil
- › PT 100.30\*\*

from € 1.751,00

### TECHNICAL DATA

/// ICC Packages

	Bath size	Bath opening (W × D)*	Price
<b>ICC Package 1</b>   includes: ICC circulator, bath, bath bridge			
ICC basic eco 8 Ident. No. 0008034900		188 × 105 mm	€ 1.251,00
ICC control eco 8 Ident. No. 0008035300	S		€ 1.751,00
ICC basic pro 9 Ident. No. 0008035100		195 × 100 mm	€ 1.377,00
ICC control pro 9 Ident. No. 0008035500			€ 1.877,00
ICC basic pro 12 Ident. No. 0010000414	M	255 × 127 mm	€ 1.438,00
ICC control pro 12 Ident. No. 0010000415			€ 1.938,00
ICC basic eco 18 Ident. No. 0008035000		245 × 305 mm	€ 1.377,00
ICC control eco 18 Ident. No. 0008035400			€ 1.877,00
ICC basic pro 20 Ident. No. 0008035200	L	255 × 309 mm	€ 1.538,00
ICC control pro 20 Ident. No. 0008035600			€ 2.038,00


\* Size of plate that can be set at the bottom of the bath.  
Immersion depth for all baths with ICC: 85 mm to 125 mm; IC: 95 mm to 135 mm.

\*\* Only in combination with control device.

## /// Compact immersion circulator packages

 <b>TECHNICAL DATA</b> /// ICC Packages			
	Bath size	Bath opening (W × D)*	Price
<b>ICC Package 2</b>   includes: ICC circulator, bath, bath bridge, cover, pump connection set, cooling coil, PT 100.30 (control version only)			
ICC basic eco 8 c Ident. No. 0008035700	S	188 × 105 mm	€ 1.598,00
ICC control eco 8 c Ident. No. 0008036100			€ 2.327,00
ICC basic pro 9 c Ident. No. 0008035900	M	195 × 100 mm	€ 1.724,00
ICC control pro 9 c Ident. No. 0008036300			€ 2.453,00
ICC basic pro 12 c Ident. No. 0010000416	L	255 × 127 mm	€ 1.818,00
ICC control pro 12 c Ident. No. 0010000417			€ 2.547,00
ICC basic eco 18 c Ident. No. 0008035800	L	245 × 305 mm	€ 1.757,00
ICC control eco 18 c Ident. No. 0008036200			€ 2.486,00
ICC basic pro 20 c Ident. No. 0008036000	L	255 × 309 mm	€ 1.918,00
ICC control pro 20 c Ident. No. 0008036400			€ 2.647,00

\* Size of plate that can be set at the bottom of the bath.  
 Immersion depth for all baths with ICC: 85 mm to 125 mm; IC: 95 mm to 135 mm.

 <b>TECHNICAL DATA</b> /// ICC RO 15 Packages			
	Bath size	Bath opening (W × D)*	Price
<b>ICC RO 15 Package</b>   included: ICC head, bath bridge BL.ICC, bath vessel IB R RO 15 eco, multiposition stirrer RO 15			
ICC basic IB R RO 15 eco Ident. No. 0010002471	L	317 × 492 mm	€ 3.200,00
ICC control IB R RO 15 eco Ident. No. 0010002474			€ 3.700,00

Immersion depth with IB R RO 15: 35 to 75 cm.




### ICC RO 15 Package

- › ICC basic circulator head
- › Multiposition stirrer RO 15
- › Bath vessel IB R RO 15 eco
- › Bath bridge BL.ICC

starting from  
 € 3.200,00

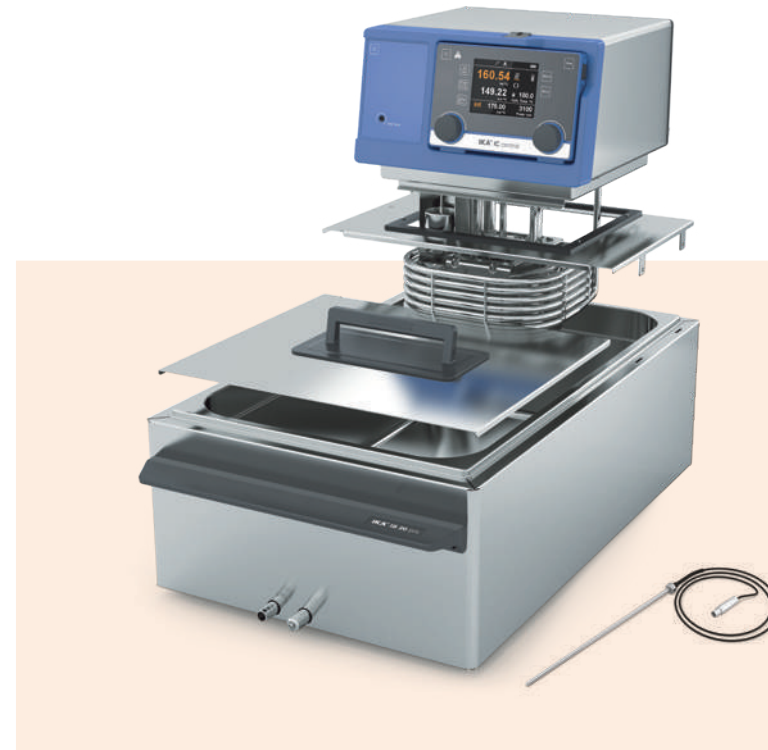
### /// Immersion circulator packages

 <b>TECHNICAL DATA</b> /// IC Package			
	Bath size	Bath opening (W x D)*	Price
<b>IC Package</b>   includes: IC circulator, bath, bath bridge, cover, cooling coil**, PT 100.30			
IC basic pro 12 c Ident. No. 0008039900	M	255 x 80 mm	€ 3.182,00
IC control pro 12 c Ident. No. 0008040000			€ 3.659,00
IC basic pro 20 c Ident. No. 0008036800	L	255 x 262 mm	€ 3.320,00
IC basic control 20 c Ident. No. 0008037200			€ 3.797,00

\* Size of plate that can be set at the bottom of the bath.

\*\* Already included in IC control device.

Immersion depth for all baths with ICC: 85 mm to 125 mm; IC: 95 mm to 135 mm.



#### IC Package

- > IC circulator head
- > Bath
- > Bath bridge
- > Cover
- > Cooling coil\*\*
- > PT 100.30

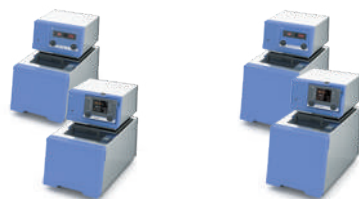
**starting from**  
**€ 3.182,00**

## /// Heating bath circulators

### TECHNICAL DATA /// Comparison

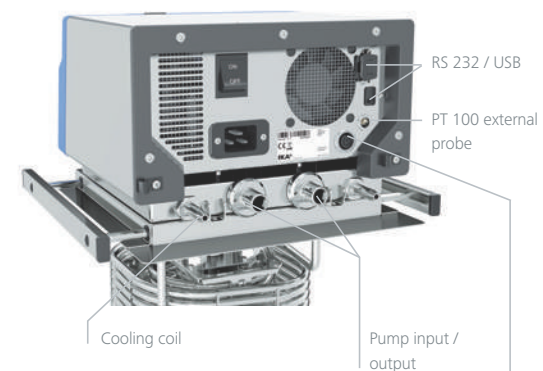
	<b>HBC 5 basic   control*</b> Ident. No. 0004125000   0004127000	<b>HBC 10 basic   control*</b> Ident. No. 0004135000   0004137000
Appliance type	Heated bath circulator	Heated bath circulator
Safety class	III (FL)	III (FL)
Cooling capacity at 20 °C	–	–
Heater capacity (230 / 115 V)	2.500 / 1.250 W	2.500 / 1.250 W
Temperature range	RT + 10 °C to +250 °C	RT + 10 °C to +250 °C
Temperature display	LED   TFT	LED   TFT
Temperature stability DIN 12876	± 0,02 K   ± 0,01 K	± 0.02 K   ± 0.01 K
Bath volume range	5,5 – 7,5 l	7,5 – 10,5 l
Max. flow rate (at 0 bar)	31 l / min	31 l / min
Max. pump pressure	0,61 bar	0,61 bar
Min. suction pressure	0,45 bar	0,45 bar
Dimensions (W × D × H)	275 × 500 × 405 mm	275 × 500 × 455 mm
Permissible ambient temperature	5 – 40 °C	5 – 40 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 21	IP 21
USB / RS 232 interface	yes	yes
	<b>€ 2.850,00   € 3.350,00</b>	<b>€ 3.050,00   € 3.550,00</b>

\* Possible operating temperatures  
with cooling coil: -20 to 250 °C.



### basic and control interfaces

(IC | HBC 5 | HBC 10 | HRC 2 | RC 5)



Option to connect external  
solenoid valves via multi I/O  
port (IC / HBC control only)

- › for the control of solenoid valves
  - for automatic refilling
  - for switching the cooling water circuit on / off
  - for fluid level monitoring
  - as an electronic stopcock
- › output for alarm signals
- › input for standby mode  
(for switching off the device)

\* PT 100 external probe included in delivery.

## /// Combined refrigerated and heating circulators

### TECHNICAL DATA

/// Comparison

	<b>HRC 2 basic   control</b> Ident. No. 0025003742   0025004524	<b>CBC 5 basic   control</b> Ident. No. 0004165000   0004167000
Appliance type	Refrigerated and heating circulator	Combined refrigerated and heating bath circulator
Heater capacity (230 V)	1.500 W	2.500 W
Temperature range	-20 °C to +100 °C   -30 °C** to +100 °C	-25 – 200 °C
Temperature display	LED   TFT	LED   TFT
Temperature stability DIN 12876	± 0,05 K	± 0.02 K   ± 0.01 K
Max. flow rate (at 0 bar)	21 l / min	31 l / min
Max. pump pressure	0,5 bar	0,61 bar
Min. suction pressure	0,2 bar	0,45 bar
Dimensions (W x D x H)	220 x 525 x 475 mm	275 x 690 x 490 mm
USB / RS 232 interface	yes	yes
	<b>€ 3.750,00   € 4.400,00</b>	<b>€ 4.500,00   € 5.000,00</b>

\*\* -30 °C possible at 2.000 rpm.



NEW!



### HRC 2



**Silent mode –**  
the fan only runs as needed.



**Large operating volume**  
(min. 1.5 liter, max. 4 liter).



HRC 2 control – connector for external  
**PT100 temperature probe.**



HRC 2 control – connection option of  
external solenoid valves via **multi-IO port.**

## /// Chillers

### TECHNICAL DATA

/// Comparison

	<b>RC 2 basic   control*</b> Ident. No. 0004171000   0004173000	<b>RC 5 basic   control*</b> Ident. No. 0004181000   0004183000
Appliance type	Recirculating chiller	Recirculating chiller
Safety class	–	–
Cooling capacity at 20 °C	400 W	1.400 W
Temperature range	-20 °C to RT   -30 °C to RT	-30 °C to RT
Temperature display	LED   TFT	LED   TFT
Temperature stability DIN 12876	± 0,1 K   ± 0,05 K	± 0,1 K
Bath volume range	1,5 – 4 l	5,2 – 8 l
Max. flow rate	18 l / min	31 l / min
Max. pump pressure	0,3 bar	0,61 bar
Min. suction pressure	0,2 bar	0,45 bar
PT 100 interface	no   yes*	no   yes*
Dimensions (W × D × H)	220 × 526 × 480 mm	310 × 490 × 546 mm
Permissible ambient temperature	5 – 32 °C	5 – 32 °C
Permissible relative moisture	80 %	80 %
Protection class acc. to DIN EN 60529	IP 21	IP 21
USB / RS 232 interface	yes	yes
Multi-IO interface	no   no	no   yes
	<b>€ 3.050,00   € 4.050,00</b>	<b>€ 4.500,00   € 5.000,00</b>

BESTSELLER!



NEW!



### RC 5

- › compact and powerful recirculating chiller
- › natural refrigerant R290
- › powerful pressure and suction pump (up to 31 l/min)

\* PT 100.30 external temperature sensor included at control devices

## /// Baths, chillers, circulators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Bath vessels</b>		
①	IB 8 eco* Ident. No. 0004248100	€ 309,00
②	IB 18 eco* Ident. No. 0004248200	€ 435,00
③	IB HF 24 eco* Ident. No. 0020006884	€ 495,00
④	IB 9 pro Ident. No. 0004248500	€ 435,00
	IB 12 pro Ident. No. 0004577500	€ 496,00
⑤	IB 20 pro Ident. No. 0004248600	€ 596,00
⑥	IB R RO15 eco* Ident. No. 0020006341	€ 770,00
⑦	IB R 9 eco* Ident. No. 0020004382	€ 330,00
	IB R 20 eco* Ident. No. 0020004383	€ 440,00
	IB R 52 eco* Ident. No. 0020007044	€ 605,00

\* Maximum temperature eco baths 100 °C, water.



### TECHNICAL DATA /// Comparison

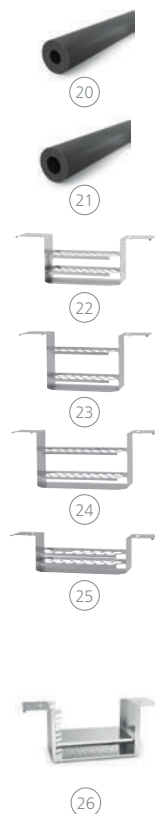
	Description	Price
<b>ICC Accessories</b>		
⑧	CS.ICC Ident. No. 0004471500	€ 122,00
	CM.ICC Ident. No. 0025000290	€ 155,00
⑨	CL.ICC Ident. No. 0004471600	€ 155,00
⑩	BS.ICC Ident. No. 0020003077	€ 117,00
	BL.ICC Ident. No. 0020003078	€ 117,00
	CC2 Ident. No. 0025001061	€ 115,00
⑪	PCS.ICC Ident. No. 0004471900	€ 135,00
<b>IC Accessories</b>		
⑫	CM.IC Ident. No. 0004577600	€ 117,00
⑬	CL.IC Ident. No. 0004471800	€ 155,00
⑭	BS.IC Ident. No. 0004472800	€ 117,00
⑮	CC1 Ident. No. 0020005116	€ 123,00



## /// Baths, chillers, circulators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Therموfluids</b>		
HF.Si.20.250.50A Ident. No. 0020003521	Heating fluid Si250A; 10 kg	€ 450,00
HF.Si.20.200.50 Ident. No. 0020003520	Heating fluid Si200; 10 kg	€ 400,00
UF.Si.N30.150.10LV Ident. No. 0020003518	Universal fluid Si150 LV; 9 kg	€ 400,00
<b>Hoses</b>		
⑩ LT 5.20 Ident. No. 0002606700	Hose, insulated, stainless steel, Ø 10 mm, 1,5 m, 2 Pcs	€ 1 050,00
LT 5.21 Ident. No. 0020000988	Hose, insulated, PTFE, Ø 13 mm, 1,5 m, 2 Pcs	€ 827,00
H.PVC.8 Ident. No. 0004568800	Hose, PVC, Ø 8 mm, 1,5 m, 2 Pcs	€ 11,00
H.PVC.12 Ident. No. 0004568900	Hose, PVC, Ø 12 mm, 1,5 m, 2 Pcs	€ 14,00
⑪ H.SI.8 Ident. No. 0004569000	Hose, silicone, Ø 8 mm, 1,5 m, 2 Pcs	€ 28,00
H.SI.12 Ident. No. 0004569100	Hose, silicone, Ø 12 mm, 1,5 m, 2 Pcs	€ 34,00
⑫ H.PUR.8.R Ident. No. 0020004612	Hose, PUR, Ø 8 mm, 1,5 m, 2 Pcs	€ 52,00
H.PUR.12 Ident. No. 0020004613	Hose, PUR, Ø 12 mm, 1,5 m, 2 Pcs	€ 64,00
⑬ H.FKM.8 Ident. No. 0004569200	Hose, FKM, Ø 8 mm, 1,5 m, 2 Pcs	€ 264,00
H.FKM.12 Ident. No. 0004569300	Hose, FKM, Ø 12 mm, 1,5 m, 2 Pcs	€ 323,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Insulation for hoses</b>		
⑭ ISO.8 Ident. No. 0004569400	Insulation, for hoses DN 8	€ 23,00
⑮ ISO.12 Ident. No. 0004569500	Insulation, for hoses DN 12	€ 30,00
<b>Tube racks</b>		
⑯ Tube rack, 13 mm, S Ident. No. 0020004026	Stainless steel rack for bath size S, 57 × Ø 13 mm	€ 76,00
⑰ Tube rack, 17 mm, S Ident. No. 0020004027	Stainless steel rack for bath size S, 37 × Ø 17 mm	€ 76,00
Tube rack, 22 mm, S Ident. No. 0020004028	Stainless steel rack for bath size S, 22 × Ø 22 mm	€ 76,00
⑲ Tube rack, 13 mm, ML Ident. No. 0020004029	Stainless steel rack for bath size L, 73 × Ø 13 mm	€ 128,00
⑳ Tube rack, 17 mm, ML Ident. No. 0020004030	Stainless steel rack for bath size L, 47 × Ø 17 mm	€ 128,00
㉑ Tube rack, 22 mm, ML Ident. No. 0020004031	Stainless steel rack for bath size L, 30 × Ø 22 mm	€ 128,00
<b>Variable tube racks</b>		
㉒ Variable rack, ICC, ML, stainless Ident. No. 0020004032	Variable Rack for baths size M+L+ICC	€ 165,00
Inlay 1, variable rack, ICC, ML Ident. No. 0020004033	Bottom type 1 for variable rack, 2 Pcs, for 84 tubes with Ø 13 mm	€ 55,00
Inlay 2, variable rack, ICC, ML Ident. No. 0020004034	Bottom type 2 for variable rack, 2 Pcs, for 51 tubes with Ø 17 mm	€ 55,00
Inlay 3, variable rack, ICC, ML Ident. No. 0020004035	Bottom type 3 for variable rack, 2 Pcs, for 33 tubes with Ø 22 mm	€ 55,00

## /// Baths, chillers, circulators | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Bottom plates</b>		
27	Variable bottom, ICC, L Ident. No. 0020004614	Variable Rack for bath size L.ICC <b>€ 365,00</b>
28	Bottom plate L Ident. No. 0020006212	Bottom type for bath size L <b>€ 397,00</b>
	Bottom plate L, ICC Ident. No. 0020007353	Bottom type for bath size L.ICC <b>€ 333,00</b>
<b>Floating racks</b>		
29	Floating tube rack 1 Ident. No. 0020003667	Floating tube rack for 24 × 1,5 / 2,0 ml tubes, 5 Pcs <b>€ 29,00</b>
30	Floating tube rack 2 Ident. No. 0020003668	Floating tube rack for 8 × 15 ml tubes, 5 Pcs <b>€ 29,00</b>
31	Floating tube rack 3 Ident. No. 0020003669	Floating tube rack for 4 × 50 ml tubes, 5 Pcs <b>€ 29,00</b>
<b>Magnetic valves</b>		
	MV 1 Ident. No. 0020003763	Magnetic valve for cooling water control, max. 100°C <b>€ 368,00</b>
32	CO V 1 Ident. No. 0020000249	Closed pressure valve for external pump connection Set, max. 180 °C <b>€ 560,00</b>
33	Ball valve M 16 × 1 Ident. No. 0020004620	Ball valve, complete open (M 16 × 1) <b>€ 75,00</b>
34	Mechanic fluid level controller Ident. No. 0020004618	Mechanic fluid level controller <b>€ 300,00</b>



### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Adapters</b>		
35	Elbow tube 90° Ident. No. 0025001212	Elbow tube 90° <b>€ 70,00</b>
36	Olive for DN 6 hoses Ident. No. 0020004667	Olive for DN 6 hoses, 2 Pcs <b>€ 30,00</b>
37	Olive for DN 8 hoses Ident. No. 0020004566	Olive for DN 8 hoses, 2 Pcs <b>€ 25,00</b>
	Olive for DN 12 hoses Ident. No. 0020004889	Olive for DN 12 hoses, 2 Pcs <b>€ 25,00</b>
	Olive for DN 10 hoses Ident. No. 0020004568	Olive for DN 10 hoses, 2 Pcs <b>€ 30,00</b>
38	Adapter NPT 1/4 Ident. No. 0020004569	Adapter M 16 to NPT 1/4, 2 Pcs <b>€ 37,00</b>
	Adapter NPT 1/2 Ident. No. 0020004570	Adapter M 16 to NPT 1/2, 2 Pcs <b>€ 117,00</b>
39	Adapter NPT 3/4 Ident. No. 0020004571	Adapter M 16 to NPT 3/4 2 Pcs <b>€ 140,00</b>
	Lock nut (2 Pcs) Ident. No. 0020004583	Lock nut M 16 × 1, 2 Pcs <b>€ 35,00</b>
	Stopper (2 Pcs) Ident. No. 0020004584	Stopper, 2 Pcs <b>€ 35,00</b>
<b>Additional accessories</b>		
40	WH10 Ident. No. 0020000984	WiCo holder <b>€ 17,00</b>
41	PT 100.30 Ident. No. 0004284700	Temperature sensor, stainless steel <b>€ 279,00</b>
42	Floating globes, PP Ident. No. 0020003666	Floating globes, PP, 500 Pcs <b>€ 105,00</b>

# Heating / Tempering

## /// Drying ovens

The IKA Oven 125 is a universal drying oven for tempering, drying, aging, and heating tasks in the laboratory. The Oven 125 is ideal for a wide range of applications in industry, schools / universities, research, quality control, and the sciences.

Fast heating up times and exact temperature regulation warranty reproducible test results. Special, odorless insulation contributes to lower operating costs. A USB interface allows remote control of the drying oven and the recording of all test parameters.

THE UNIVERSAL DRYING OVEN  
FOR LABORATORIES.



The drying oven has an **electronically adjustable ventilation flap**.



A **clearly laid-out operating menu** makes the Oven 125 basic particularly easy to use.



The universal drying oven has an **integrated timer**.



The Oven 125 has an **adjustable temperature limiter**.



The drying oven is available with a **glass door** option.

**IKA Oven 125  
basic dry – glass**

*Ident. No. 0020003956*

**€ 2.330,00**

## /// Drying ovens

### TECHNICAL DATA /// Comparison

#### IKA Oven 125 basic dry Ident. No. 0020003215

Temperature range	RT + 5 to 250 °C
Heat output	2.400 W (230 V / 50 Hz) 1.500 W (115 V / 60 Hz) 1.134 W (100 V / 60 Hz)
Display	LED
Max. number of trays	6
Max. loading weight per tray	30 kg
Glass door	no
Protection class acc. to EN 60529	IP 20
Frequency	50 / 60 Hz
Weight	55 kg
Permissible relative moisture	80 %
Interface	USB

**€ 2.118,00**

NEW!

### TECHNICAL DATA /// Comparison

#### IKA Oven 125 basic dry – glass Ident. No. 0020003956

Temperature range	RT + 5 to 250 °C
Heat output	2.400 W (230 V / 50 Hz) 1.500 W (115 V / 60 Hz) 1.134 W (100 V / 60 Hz)
Display	LED
Max. number of trays	6
Max. loading weight per tray	30 kg
Glass door	yes
Protection class acc. to EN 60529	IP 20
Frequency	50 / 60 Hz
Weight	55 kg
Permissible relative moisture	80 %
Interface	USB

**€ 2.330,00**



# Separation

## /// Centrifuge

The IKA microcentrifuge 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 IKA mini G will only operate when the lid is closed.



Quiet operation.



**Touch keypad**  
for easy operation.



### TECHNICAL DATA

/// Comparison

#### IKA mini G

Ident. No. 0003958000

Capacity	8 x 2,0 ml
Permitted density	1,2 kg / dm <sup>3</sup>
Centrifugal acceleration	2.000 G
Max. kinetic energy	20 Nm
Motor rating input / output	12 / 8 W
Speed	6.000 rpm (fixed)
Reversible direction of rotation	no
Dimensions (W x D x H)	155 x 175 x 105 mm
Weight	1,4 kg

**€ 313,00**



### TECHNICAL DATA

/// Comparison

#### Accessories included in the delivery

- ① Rotor 8 x 1,5 / 2 ml  
Ident. No. 0003918500
- ② Rotor 4 x Strips 8 x 0,2 ml  
Ident. No. 0004531300
- ③ Adapter set 0,5 x 8 ml  
Ident. No. 0004470900
- ④ Adapter set 0,4 x 8 ml  
Ident. No. 0004470901
- ⑤ Adapter set 0,2 x 8 ml  
Ident. No. 0004470902



# Distilling

## /// Rotary evaporators

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.



Adjustable immersion angle  
and height.



**Speed range**  
from 5 – 300 rpm.



Compatible with the complete  
**glassware range for the IKA RV 10.**



**High-efficiency condenser** with  
1.500 cm<sup>2</sup> cooling surface, low space  
requirements.

THE IDEAL  
ENTRY-LEVEL MODEL



**RV 3 V-C**

*Ident. No. 0010003328*

**€ 2.131,00**

## /// Entry level rotary evaporator system

### TECHNICAL DATA /// Comparison

#### RV 3

##### 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 × D × H) without glass parts	440 × 330 × 530 mm
Weight of the drive incl. heating bath without glass parts	8 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 20
Voltage / Frequency	100 – 240 V / 50/60 Hz

from € 1.874,00

NEW!



#### RV 3

- > 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

RV 3 V, Ident. No. 0010003324 | € 1.999,00

RV 3 V-C, Ident. No. 0010003328 | € 2.131,00

RV 3 FLEX, Ident. No. 0010003331 | € 1.874,00

### TECHNICAL DATA /// Comparison

#### HB eco

Ident. No. 0020016337

Volume	4 l
Temperature range	RT to 99 °C

## /// Entry level rotary evaporator system

### TECHNICAL DATA /// Comparison

#### RV 8

##### Drive

Motor type	brushless DC drive motor
Motor rating input	50 W
Speed range	5 – 300 rpm
Speed display	digital
Clockwise and counter-clockwise	no
Soft start	yes
Head angle adjustable	0 to 45°
Stroke displacement	120 mm, manual
Setting of lower end stop	no
Vacuum controller	optional

##### General data

Dimensions (W × D × H) without glass parts	510 × 345 × 490 mm
Weight of the drive incl. heating bath without glass parts	15,5 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 20
Voltage / Frequency	220 – 240 V   50 / 60 Hz

from € 2.379,00



#### RV 8

- › 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

RV 8 V, Ident. No. 0010003482 | € 2.513,00

RV 8 V-C, Ident. No. 0010003485 | € 2.654,00

RV 8 FLEX, Ident. No. 0010003488 | € 2.379,00

### TECHNICAL DATA /// Comparison

#### HB digital

Ident. No. 0020016334

Volume	4 l
Temperature range	RT to 180 °C



## /// Rotary evaporators

### TECHNICAL DATA /// Comparison

#### RV 10 digital

##### 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 × D × H) without glass parts	530 × 410 × 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 acc. to DIN EN 60529	IP 20
Voltage / Frequency	220 – 240 V   50 / 60 Hz

from € 2.762,00



#### RV 10 digital

- › 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

RV 10 digital V, Ident. No. 0008040300 | € 3.685,00  
 RV 10 digital V-C, Ident. No. 0008040400 | € 3.993,00  
 RV 10 digital FLEX, Ident. No. 0008040500 | € 2.762,00

### TECHNICAL DATA /// Comparison

#### HB 10 digital

Ident. No. 0004068000

Volume	3 l
Temperature range	RT to 180 °C

/// Your lab partner for all solutions

**TECHNICAL DATA**  
/// Comparison

**RV 10 auto**

**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	integrated

**General data**

Dimensions (W × D × H) without glass parts	500 × 410 × 430 mm
Weight of the drive incl. heating bath without glass parts	21,5 kg
Permissible ambient temperature	5 to 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 20
Voltage / Frequency	220 – 240 V   50 / 60 Hz

**from € 5.152,00**



**RV 10 auto**

- › 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

INTEGRATED VACUUMCONTROLLER

- RV 10 auto V, Ident. No. 0010003472\* | € 6.112,00
- RV 10 auto V-C, Ident. No. 0010003475\* | € 6.484,00
- RV 10 auto FLEX, Ident. No. 0010003478\* | € 5.152,00
- RV 10 auto pro V, Ident. No. 0010003466 | € 7.756,00
- RV 10 auto pro V-C, Ident. No. 0010003459 | € 8.115,00
- RV 10 auto pro FLEX, Ident. No. 0010003469 | € 7.441,00



**TECHNICAL DATA**  
/// Comparison

**HB 10 digital**

Ident. No. 0004068000

Volume	3 l
Temperature range	RT to 180 °C

\* VACSTAR 10 digital is not included in scope of delivery.

## /// Rotary evaporators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>RV 10 / RV 8 accessories glassware</b>		
①	RV 10.1 Ident. No. 0003655300 Set of glassware, vertical	€ 740,00
	RV 10.10 Ident. No. 0003755400 Set of glassware, vertical, coated	€ 1.040,00
②	RV 10.2 Ident. No. 0003755300 Set of glassware, diagonal	€ 764,00
	RV 10.20 Ident. No. 0003755500 Set of glassware, diagonal, coated	€ 1.058,00
<b>Condensers</b>		
③	RV 10.3 Ident. No. 0003741000 Vertical-intensive condenser, manifold	€ 890,00
	RV 10.30 Ident. No. 0003741100 Vertical-intensive condenser, manifold, coated	€ 1.219,00
④	RV 10.4 Ident. No. 0003742000 Dry ice condensor	€ 1.292,00
	RV 10.40 Ident. No. 0003742100 Dry ice condensor, coated	€ 1.431,00
⑤	RV 10.5 Ident. No. 0003743000 Vertical-condenser, reflux	€ 1.430,00
	RV 10.50 Ident. No. 0003743100 Vertical-condenser, reflux, coated	€ 1.569,00
⑥	RV 10.6 Ident. No. 0003744000 Vertical-intensive condenser, reflux	€ 1.571,00
	RV 10.60 Ident. No. 0003744100 Vertical-intensive condenser, reflux, coated	€ 1.712,00



①



②



③



④



⑤



⑥



⑦



⑧



⑨



⑩

### TECHNICAL DATA /// Comparison

	Description	Price
<b>⑦ Evaporation cylinders</b>		
	RV 10.400 Ident. No. 0003738800 Evaporation cylinder, NS 29/32, 500 ml	€ 584,00
	RV 10.401 Ident. No. 0003738900 Evaporation cylinder, NS 29/32, 1.500 ml	€ 667,00
<b>⑧ Bump trap</b>		
	RV 10.500 Ident. No. 0003739200 Foam brake, NS 29/32	€ 124,00
<b>⑨ Distilling spider with distilling sleeves</b>		
	RV 10.600 Ident. No. 0003739400 Distilling spider, NS 29/32, 6 sleeves	€ 500,00
	RV 10.601 Ident. No. 0003739500 Distilling spider, NS 29/32, 12 sleeves	€ 837,00
	RV 10.602 Ident. No. 0003739600 Distilling spider, NS 29/32, 20 sleeves	€ 1.172,00
	RV 10.610 Ident. No. 0003919400 Distilling sleeve, 20 ml	€ 14,00
<b>⑩ Distilling spider with 5 flasks</b>		
	RV 10.606 Ident. No. 0003740800 Distilling spider with 5 flasks, 50 ml	€ 610,00
	RV 10.607 Ident. No. 0003740900 Distilling spider with 5 flasks, 100 ml	€ 668,00

## /// Rotary evaporators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Evaporation flasks</b>		
RV 10.80 Ident. No. 0003740100	Evaporation flask, NS 29/32, 50 ml	€ 29,00
RV 10.800 Ident. No. 0020005330	Evaporation flask, coated, NS 29/32, 50 ml	€ 58,00
RV 10.81 Ident. No. 0003740200	Evaporation flask, NS 29/32, 100 ml	€ 29,00
RV 10.810 Ident. No. 0020005331	Evaporation flask, coated, NS 29/32, 100 ml	€ 58,00
RV 10.82 Ident. No. 0003740300	Evaporation flask, NS 29/32, 250 ml	€ 54,00
RV 10.820 Ident. No. 0020005332	Evaporation flask, coated, NS 29/32, 250 ml	€ 109,00
RV 10.83 Ident. No. 0003740400	Evaporation flask, NS 29/32, 500 ml	€ 57,00
RV 10.830 Ident. No. 0020005333	Evaporation flask, coated, NS 29/32, 500 ml	€ 114,00



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



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Evaporation flasks</b>		
RV 10.84 Ident. No. 0003740500	Evaporation flask, NS 29/32, 1.000 ml	€ 58,00
RV 10.840 Ident. No. 0004221400	Evaporation flask, coated, NS 29/32, 1.000 ml	€ 118,00
RV 10.85 Ident. No. 0003740600	Evaporation flask, NS 29/32, 2.000 ml	€ 92,00
RV 10.850 Ident. No. 0020005334	Evaporation flask, coated, NS 29/32, 2.000 ml	€ 185,00
RV 10.86 Ident. No. 0003740700	Evaporation flask, NS 29/32, 3.000 ml	€ 142,00
RV 10.860 Ident. No. 0020005335	Evaporation flask, coated, NS 29/32, 3.000 ml	€ 284,00
RV 10.90 Ident. No. 0003741200	Evaporation flask, NS 24/29, 50 ml	€ 14,00
RV 10.91 Ident. No. 0003741300	Evaporation flask, NS 24/29, 100 ml	€ 17,00
<b>Powder flasks</b>		
RV 10.300 Ident. No. 0003738200	Powder flask, NS 29/32, 500 ml	€ 134,00
RV 10.301 Ident. No. 0003738300	Powder flask, NS 29/32, 1.000 ml	€ 144,00
RV 10.302 Ident. No. 0003738400	Powder flask, NS 29/32, 2.000 ml	€ 178,00

## /// Rotary evaporators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Receiving flasks</b>		
RV 10.100 Ident. No. 0003742200	Receiving flask, KS 35/20, 100 ml	€ 51,00
RV 10.101 Ident. No. 0003742300	Receiving flask, KS 35/20, 250 ml	€ 52,00
RV 10.102 Ident. No. 0003742400	Receiving flask, KS 35/20, 500 ml	€ 55,00
RV 10.103 Ident. No. 0003742500	Receiving flask, KS 35/20, 1.000 ml	€ 58,00
RV 10.104 Ident. No. 0003742600	Receiving flask, KS 35/20, 2.000 ml	€ 95,00
RV 10.105 Ident. No. 0003742700	Receiving flask, KS 35/20, 3.000 ml	€ 179,00
RV 10.200 Ident. No. 0003743200	Receiving flask, coated, KS 35/20, 100 ml	€ 100,00
RV 10.201 Ident. No. 0003743300	Receiving flask, coated, KS 35/20, 250 ml	€ 100,00
RV 10.202 Ident. No. 0003743400	Receiving flask, coated, KS 35/20, 500 ml	€ 128,00
RV 10.203 Ident. No. 0003743500	Receiving flask, coated, KS 35/20, 1.000 ml	€ 153,00
RV 10.204 Ident. No. 0003743600	Receiving flask, coated, KS 35/20, 2.000 ml	€ 170,00
RV 10.205 Ident. No. 0003743700	Receiving flask, coated, KS 35/20, 3.000 ml	€ 226,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Vapor tubes, seals and other accessories</b>		
⑪ RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	€ 91,00
RV 10.74 Ident. No. 0003971700	Vapor tube, short, NS 29/32	€ 78,00
⑫ RV 10.8001 Ident. No. 0003907000	Seal, PTFE, stainless steel	€ 98,00
⑬ RV 10.3000 Ident. No. 0003859000	Extension plate for use with RV 10.500 foam break and 3 l evaporation flask	€ 124,00
<b>HB 10 heating bath accessories</b>		
⑭ HB 10.1 Ident. No. 0003641800	Shield for heating bath HB 10	€ 170,00
⑮ HB 10.2 Ident. No. 0003641000	Protection cover for heating bath HB 10	€ 513,00



## /// Rotary evaporators | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Vacuum pumps</b>		
16	MVP 10 basic Ident. No. 0003980000	Membrane vacuum pump for dry, oil-free applications in the low vacuum range <b>€ 1.489,00</b>
17	VACSTAR digital Ident. No. 0020016236	Membrane vacuum pump <b>€ 2.052,00</b>
18	VC 10 Ident. No. 0020005132	Vacuumcontroller <b>€ 1.473,00</b>
<b>MVP 10 basic accessories</b>		
19	VCV 1 Ident. No. 0020004850	Vacuum control valve, manual <b>€ 525,00</b>
20	VCV 2 Ident. No. 0020004893	Vacuum control valve, digital <b>€ 870,00</b>
21	VSS 1 Ident. No. 0020005194	Vacuum safety set <b>€ 735,00</b>
<b>RV 10 control accessories   Vacuum pump valves</b>		
23	RV 10.4002 Ident. No. 0003880300	Magnetic valve in-house vacuum <b>€ 589,00</b>
24	RV 10.5001 Ident. No. 0003902700	Choke water valve, for RV 10 series <b>€ 469,00</b>



### TECHNICAL DATA /// Comparison

	Description	Price
<b>RV 3 accessories</b>		
25	RV 3.1 Ident. No. 0025004587	Support pole <b>€ 91,00</b>
26	RV 3.4 Ident. No. 0025004588	Woulff bottle <b>€ 126,00</b>
	RV 10.5005 Ident. No. 0020000552	Hose kit <b>€ 91,00</b>
<b>RV 8 accessories</b>		
27	RV 8.1 Ident. No. 0004438500	Support rod <b>€ 91,00</b>
28	RV 8.2 Ident. No. 0025001342	Mechanical end stop for RV 8 <b>€ 46,00</b>
29	RV 8.3 Ident. No. 0025004707	Support rod <b>€ 101,00</b>
<b>Accessories for all IKA rotary evaporator models</b>		
	RV 05.10 Ident. No. 0000736600	Balljoint clamp <b>€ 16,00</b>
	RV 10.88 Ident. No. 0003683300	Clamp, NS 29 <b>€ 16,00</b>
	RV 10.5005 Ident. No. 0020000552	Hose kit <b>€ 91,00</b>
30	RV 10.5002 Ident. No. 0003903800	Filter, for RV 10 and RV 8 series <b>€ 58,00</b>
31	RV 10.5003 Ident. No. 0003907100	Pressure regulating valve, for RV 10 and RV 8 series <b>€ 186,00</b>



# Mechanical / Electronic accessories

/// Accessories

## TECHNICAL DATA

/// Comparison

	Description	Price
<b>Lift</b>		
①	LABLIFT m Ident. No. 0004022400	Manual scissors lift , set-up plate dimensions 170 x 230 mm, stroke 70 – 300 mm, max. dynamic load 7 kg <b>€ 241,00</b>
<b>Mechanical accessories   Fixing clamps</b>		
②	H 44 Ident. No. 0002437700	Boss head clamp, clamping range Ø 10 – 11 mm <b>€ 25,00</b>
③	R 200 Ident. No. 0003372000	Clamp for T 10 basic and R 104 <b>€ 29,00</b>
④	R 182 Ident. No. 0002657700	Boss head clamp, clamping range Ø 6 – 16 mm <b>€ 71,00</b>
⑤	R 270 Ident. No. 0002657800	Boss head clamp, clamping range Ø 25 – 36 mm <b>€ 96,00</b>
⑥	R 271 Ident. No. 0002664000	Boss head clamp, clamping range Ø 34 mm <b>€ 156,00</b>
⑦	R 350 Ident. No. 0001752900	Universal clamp for use with H 44 and R 104 or R 181 and R 1825, R 1826 or R 1827 <b>€ 89,00</b>
⑧	RH 3 Ident. No. 0003008600	Strap clamp for stand Ø 8 – 16 mm <b>€ 237,00</b>
⑨	RH 5 Ident. No. 0003159000	Strap clamp for stand Ø 8 – 16 mm <b>€ 297,00</b>



## TECHNICAL DATA

/// Comparison

	Description	Price
<b>ALMEMO accessories</b>		
	ALMEMO Ident. No. 0004709400	USB cable <b>€ 316,00</b>
	PC 1.2 Ident. No. 0002616800	Adapter, 25 pins <b>€ 51,00</b>
⑩	DTM 12.10 Ident. No. 0003127800	Data cable, L 2,5 m, 9 pins (F) <b>€ 286,00</b>
⑪	PT 100.23 Ident. No. 0003122100	Temperature sensor, stainless steel, Ø 3 mm, 250 mm length <b>€ 256,00</b>
⑫	PT 100.24 Ident. No. 0003122200	Temperature sensor, stainless steel, glass-coated, Ø 8 mm, 250 mm length <b>€ 262,00</b>
⑬	PT 100.25 Ident. No. 0003122300	Temperature sensor, stainless steel, Ø 6 mm, 255 mm length <b>€ 210,00</b>
	LR 2000.64 Ident. No. 0020010075	pH process electrode <b>€ 987,00</b>

On pages 236 and 237, you will find more details about different types of stands.



Ident. No. 0004709300  
**€ 1.555,00**

### ALMEMO 2490

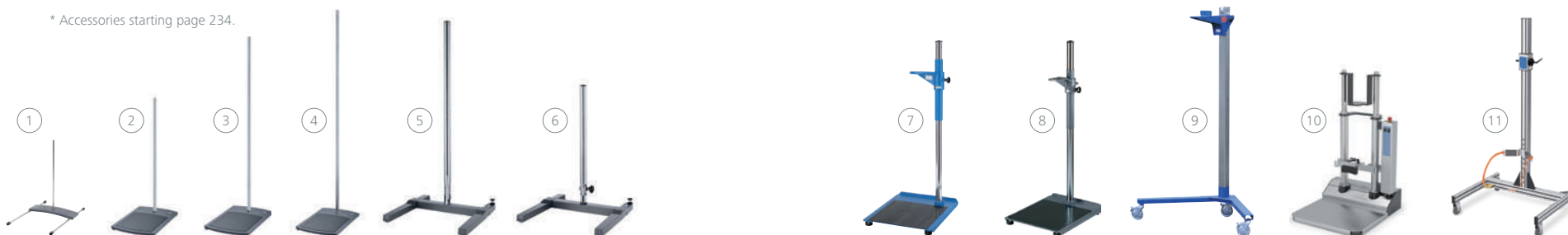
The ALMEMO 2490 is a universal measuring device with 2 measuring channels. Especially adopted for the requirements of either simple temperature measuring purposes or as an accessory for our lab reactors to measure and display temperature and/or pH.

## /// Mechanical Accessories

### STANDS /// Comparison

	Description	Dimensions (W x D)	Height, suitable accessories (clamps)*	Max. load, stroke	Price
①	R 104 stand Ident. No. 0003386000	stand for T 10 basic, H 370 mm	10 mm, 242 x 355 mm	370 mm, H 44, RH 3	0,7 kg – <b>€ 136,00</b>
②	R 1825 plate stand Ident. No. 0003160000	plate stand, H 560 mm	16 mm, 200 x 316 mm	560 mm, R 182, RH 3	5 kg – <b>€ 235,00</b>
③	R 1826 plate stand Ident. No. 0003160100	plate stand, H 800 mm	16 mm, 200 x 316 mm	800 mm, R 182, RH 3	5 kg – <b>€ 259,00</b>
④	R 1827 plate stand Ident. No. 0003160200	plate stand, H 1.000 mm	16 mm, 200 x 316 mm	1.000 mm, R 182, RH 3	5 kg – <b>€ 281,00</b>
⑤	R 2722 H-stand Ident. No. 0001412000	H-stand, H 1.010 mm	34 mm, 460 x 420 mm	1.010 mm, R 270, R 271, RH 5	10 kg – <b>€ 605,00</b>
⑥	R 2723 telescopic stand Ident. No. 0001412100	telescopic stand, H 620 – 1.010 mm	34 mm, 460 x 420 mm	620 – 1.010 mm, R 270, R 271, RH 5	10 kg, 390 mm <b>€ 1.123,00</b>
⑦	T 653 telescopic stand Ident. No. 0001608000	telescopic stand, H 1.200 mm	48 mm, 460 x 530 mm	1.200 mm –	– 500 – 1.000 mm <b>€ 1.460,00</b>
⑧	R 474 telescopic stand Ident. No. 0001643000	telescopic stand, H 1.200 mm	48 mm, 460 x 530 mm	1.200 mm –	– 500 – 1.000 mm <b>€ 1.460,00</b>
⑨	R 472 floor stand Ident. No. 0000738700	floor stand, H 2.020 mm	– 80 x 80 mm	2.020 mm –	– 980 – 1.860 mm <b>€ 3.183,00</b>
⑩	R 4765 floor stand Ident. No. 0030000149	floor stand, H 1.014 – 1.588 mm	– 764 x 870 mm	1.014 – 1.588 mm –	40 kg, 465 mm <b>Price on request</b>
⑪	R 2850 floor stand Ident. No. 0020002900	floor stand, H 1.900 mm	16 mm, 980 x 875 mm	1.900 mm –	8,5 kg, 1.800 mm <b>€ 2.283,00</b>

\* Accessories starting page 234.





# Vacuum Technology

/// The new VC 10 vacuum controller

For us, as one of the leading manufacturers of laboratory and analytical equipment, it is only natural that we always listen the wishes of laboratory staff. But listening is not enough – we also strive to find real solutions for improving workflows in all kinds of laboratories around the globe.

THE NEW VC 10  
VACUUM-CONTROLLER



**Multi-use option** with a single vacuum source.



Cleaning function warrants particularly **long valve lifecycles** (individually adjustable for every application).



Ceramic pressure sensor with **outstanding resistance to chemicals**.



**10 programmes** can be saved, with up to 10 pressure/time sequences.



VC 10

Ident. No. 0020005132

€ 1.473,00

## /// Vacuum controller



### TECHNICAL DATA

/// Comparison

#### VC 10

Ident. No. 0020005132

Gas ballast valve	no
Vacuumsensor	yes
Min. input pressure	1 mbar
Max. input pressure	1.050 mbar
Set-up plate dimensions (W x D x H)	95 x 150 x 110 mm
Weight	1,5 kg
Permissible ambient temperature range	5 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 20
RS 232 interface	yes
USB interface	yes
Analog output	no
Voltage	100 – 240 V
Frequency	50 / 60 Hz
Power input	24 W

€ 1.473,00



NEW!



You can connect a VC 10 for any of your applications in the feed line from each of your vacuum sources with the aid of a VC 10.300 (this can be multiplied as often as you like, depending on the performance of your source).

#### Applications

- › vacuum distillation with a rotary evaporator
- › chemical process technologies
- › laboratory reactors, analytical devices
- › centralised and decentralised vacuum supply
- › filtration and desiccators

## /// Vacuum pump



### TECHNICAL DATA

/// Comparison

#### MVP 10 basic

Ident. No. 0003980000

Cylinders	2
Maximum pumping capacity	28 l / min
Gas ballast valve	yes
Vacuumsensor	no
Min. input pressure	7 mbar
Max. input pressure	1.050 mbar
Set-up plate dimensions (W x D x H)	245 x 155 x 320 mm
Weight	11,5 kg
Permissible ambient temperature range	10 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 54
RS 232 interface	no
USB interface	no
Analog output	no
Voltage	230 / 115 / 100 V
Frequency	50 / 60 Hz
Power input	180 W

**€ 1.489,00**



### TECHNICAL DATA

/// Comparison

#### VACSTAR digital

Ident. No. 0020016236

Cylinders	4
Maximum pumping capacity	22 l / min
Min. input pressure	2 mbar
Max. input pressure	1.030 mbar
Set-up plate dimensions (W x D x H)	150 x 370 x 375 mm
Weight	11,5 kg
Permissible ambient temperature range	10 – 40 °C
Permissible relative moisture	80 %
Protection class acc. to DIN EN 60529	IP 20
RS 232 interface	yes
USB interface	yes
Analog output	yes
Voltage	100 – 240 V
Frequency	50 / 60 Hz
Power input	180 W

**€ 2.052,00**



NEW!

## /// Vacuum Technology | Accessories

NEW!

TECHNICAL DATA			
/// Comparison			
	Description		Price
<b>MVP 10 basic Accessories</b>			
①	VCV 1 Ident. No. 0020004850	Manual vacuum control valve	€ 525,00
②	VCV 2 Ident. No. 0020004893	Digital vacuum control valve	€ 870,00
③	VSS 1 Ident. No. 0020005194	Vacuum safety set	€ 735,00
<b>VACSTAR digital Accessories</b>			
④	VSW 1 Ident. No. 0020015406	Vacuum safety woulfe bottle	€ 360,00
⑤	VSE 1 Ident. No. 0035001873	Vacuum safety emission	€ 420,00
⑥	VH.SI.8 Ident. No. 0020013886	Vacuum hose, silicone, Ø 8 mm, 1 m	€ 32,00



TECHNICAL DATA			
/// Comparison			
	Description		Price
<b>VC 10 Accessories</b>			
⑦	VC 10.300 Ident. No. 0020011105	Check valve	€ 145,00
⑧	VC 10.400 Ident. No. 0035001735	Stand	€ 189,00
⑨	PT 1000.60 Ident. No. 0003516800	Temperature sensor, stainless steel	€ 112,00



# Reactor systems

## /// Packages

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.

WITH JUST ONE BASE UNIT  
MULTIPLE VESSEL CAN BE USED!



**Digital display** for monitoring of speed and temperature.



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



Adjustable **safety circuit**.



Connections to attach a **cooling source** to the back of the unit.



Control version has an integrated **weighing function**.



**LR 1000 basic**

Ident. No. 0008040100

€ 5.298,00

## /// Laboratory Reactors

### TECHNICAL DATA /// Comparison

#### LR 1000 basic

##### General data

Usable volume	400 – 1.000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100.000 mPas
Speed range	10 – 150 rpm
Display	LED
Heat output	1.000 W
Heat control accuracy	± 1 K
Dimensions (W × D × H)	443 × 295 × 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80 %

##### LR 1000 basic Package\*

Ident. No. 0008040100

H 11 main cable Euro plug	Ident. No. 0001091500
LR 1000 basic base	Ident. No. 0003600099
LR 1000.1 reactor vessel	Ident. No. 0003602000
LR 1000.61 sensor receptacle	Ident. No. 0004664400
PT 100.30 temperature sensor	Ident. No. 0004284700

€ 5.298,00



### TECHNICAL DATA /// Comparison

#### LR 1000 control

##### General data

Usable volume	400 – 1.000 ml
Max. working temperature	120 °C
Nominal torque	3 Nm
Attainable vacuum	25 mbar
Max. viscosity	100.000 mPas
Speed range	10 – 150 rpm
Display	TFT
Heat output	1.000 W
Heat control accuracy	± 1 K
Dimensions (W × D × H)	443 × 295 × 360 mm
Weight	16 kg
Permissible ambient temperature	5 – 40 °C
Permissible relative moisture	80 %

##### LR 1000 control Package\*

Ident. No. 0010001035

H 11 main cable Euro plug	Ident. No. 0001091500
LR 1000 control base	Ident. No. 0003600099
LR 1000.3 reactor vessel	Ident. No. 0025001955
LR 1000.61 sensor receptacle	Ident. No. 0004664400
PT 100.30 temperature sensor	Ident. No. 0004284700
USB cable - USB A Micro-B, 2 m	Ident. No. 0004335000

€ 9.437,00



\* PT 100.30 included in the delivery for measuring the temperature of the medium.

## /// Laboratory Reactors

### TECHNICAL DATA /// Comparison

#### LR-2.ST

Ident. No. 0003042900

Min. volume (anchor stirrer)	500 ml
Min. volume (T 25 digital)	800 ml
Max. volume	2.000 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 – 1.010 mm
Dimensions (W × D × H)	460 × 430 × 1.240 mm
Materials in contact with medium	Stainless steel (AISI 316L) FFPM Borosilicate glass 3.3

NEW!



#### LR-2.ST The High-Performer

- › LR-2.ST stand system
- + LR-2.SI safety disconnection
- + EUROSTAR 200 control P 4 overhead stirrer

Ident. No. 0020013291  
€ 10.480,00



#### LR-2.ST The Allrounder

- › LR-2.ST stand system
- + LR-2.SI safety disconnection
- + EUROSTAR 200 control overhead stirrer

Ident. No. 0020013292  
€ 9.537,00



#### LR-2.ST The Versatile

- › LR-2.ST stand system
- + LR-2.SI safety disconnection
- + EUROSTAR 100 control overhead stirrer

Ident. No. 0020013293  
€ 9.136,00



#### LR-2.ST The Compact Power

- › LR-2.ST stand system
- + LR-2.SI safety disconnection
- + EUROSTAR 60 control overhead stirrer

Ident. No. 0020013294  
€ 8.652,00



## /// Laboratory Reactors | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>LR 1000 Accessories</b>		
①	LR 1000.1 Ident. No. 0003602000 Reactor vessel, 1.000 ml, FKM bearings, 4 connectors	€ 2.769,00
②	LR 1000.3 Ident. No. 0025001955 Reactor vessel, 1.000 ml, FKM bearings, 6 connectors	€ 3.447,00
③	LR 1000.10 Ident. No. 0004663100 Anchor stirrer with PEEK scrapers	€ 346,00
④	LR 1000.11 Ident. No. 0004663000 Anchor stirrer, stainless steel	€ 204,00
⑤	LR 1000.20 Ident. No. 0004663200 Flow breaker / baffle, stainless steel	€ 270,00
⑥	LR 1000.41 Ident. No. 0004664300 Shaft receptacle to install the dispersing elements S 25 KV	€ 381,00
⑦	LR 1000.61 Ident. No. 0004664400 Sensor receptacle to install the temperature sensors PT 100.30	€ 349,00
⑧	LR 1000.64 Ident. No. 0004663300 pH process electrode	€ 696,00
⑨	LR 1000.65 Ident. No. 0004663400 pH electrode receptacle	€ 589,00
⑩	WiCO LR 1000 Ident. No. 0020007267 Wiresless controller	€ 473,00
⑪	LR 1000.70 Ident. No. 0025003123 Lid holder	€ 196,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>LR-2.ST accessories</b>		
⑫	LR 2000.10 Ident. No. 0002508400 Anchor stirrer with PTFE scraper	€ 1.163,00
⑬	LR 2000.11 Ident. No. 0002509500 Anchor stirrer, stainless steel	€ 541,00
⑭	LR 2000.20 Ident. No. 0002508500 Flow breaker / baffle, stainless steel	€ 531,00
⑮	LR-2.SP Ident. No. 0003326400 Splinter shield	€ 356,00
⑯	HBC 5 basic Ident. No. 0004125000 Heating bath circulator	€ 2.850,00
⑰	HBC 5 control Ident. No. 0004127000 Heating bath circulator	€ 3.350,00
⑱	LR 2.1 Ident. No. 0003070000 Reactor vessel, single-walled, 2.000 ml	€ 686,00
⑲	LR 2000.1 Ident. No. 0002508300 Reactor vessel, double-walled, 2.000 ml	€ 3.007,00
⑳	LR 2000.2 Ident. No. 0002509600 Reactor vessel, double-walled, 2.000 ml with bottom drain	€ 3.776,00
㉑	LR 2000.3 Ident. No. 0002509700 Stainless steel reactor vessel, double-walled, 2.000 ml	€ 4.329,00
㉒	LR 2000.4 Ident. No. 0003064900 Stainless steel reactor vessel, double-walled with bottom drain 2.000 ml	€ 7.186,00





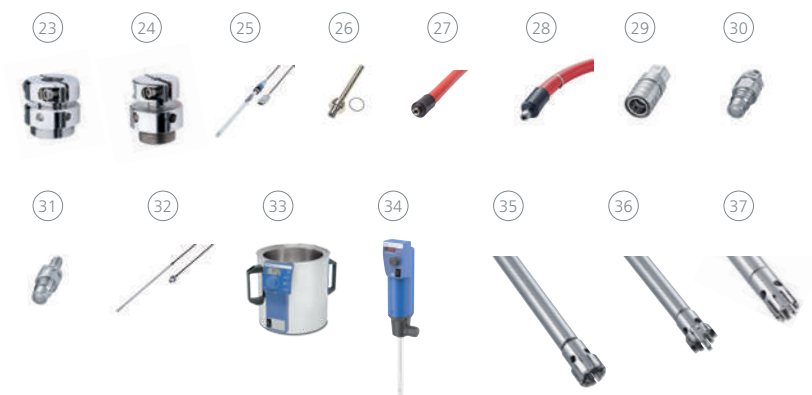
## /// Laboratory Reactors | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>LR-2-ST accessories</b>		
23	LR 2000.40 Ident. No. 0002509200	Shaft receptacle to install the dispersing elements S 25 KV <b>€ 472,00</b>
24	LR 2000.60 Ident. No. 0002509300	Sensor receptacle to install the temperature sensors PT 100.25 and PT 100.5 <b>€ 426,00</b>
25	LR 2000.64 Ident. No. 0020010075	pH process electrode <b>€ 987,00</b>
26	LR 2000.65 Ident. No. 0003172600	pH measuring sensor receptacle <b>€ 697,00</b>
27	LT 5.20 Ident. No. 0002606700	Hose, insulated, stainless steel, Ø 10 mm, 150 mm, 2 Pcs <b>€ 1.050,00</b>
28	LT 5.21 Ident. No. 0020000988	Hose, insulated, Ø 13 mm, 150 mm, 2 Pcs <b>€ 827,00</b>
29	LT 5.25 Ident. No. 0020000878	Lock coupling <b>€ 428,00</b>
30	LT 5.26 Ident. No. 0020000879	Lock adapter <b>€ 294,00</b>
31	LT 5.27 Ident. No. 0020000880	Hose adapter <b>€ 428,00</b>
32	H 68.55 Ident. No. 0025001479	Temperature sensor, stainless steel, Ø 6 mm <b>€ 231,00</b>
33	HBR 4 control LR Ident. No. 0010001849	Heating bath, 4 l, incl. PT 1000.61, d: 6 mm, for external temperature regulation of the medium <b>€ 3.318,00</b>

### TECHNICAL DATA /// Comparison

	Description	Price
<b>LR.2-ST and LR 1000 accessories</b>		
34	T 25 digital LR Ident. No. 0020008820	Disperser <b>€ 1.799,00</b>
35	S 25 KV – 25 F Ident. No. 0002404000	Dispersing element, Ø 25 mm <b>€ 1.849,00</b>
36	S 25 KV – 25 G Ident. No. 0002466900	Dispersing element, Ø 25 mm <b>€ 1.749,00</b>
37	S 25 KV – 18 G Ident. No. 0002348000	Dispersing element <b>€ 1.716,00</b>



## /// Laboratory Reactors | Accessories

### TECHNICAL DATA /// Comparison

	Description	Price
<b>LR.2-ST and LR 1000 accessories</b>		
38	RC 2 basic Ident. No. 0004171000 Recirculating chiller	€ 3.050,00
39	H.SI.8 Ident. No. 0004569000 Hose, silicone, Ø 8 mm, 1,5 m, 2 Pcs	€ 28,00
40	labworldsoft® Ident. No. 0004720000 Laboratory software	€ 1.285,00
	PC 1.1 Ident. No. 0002616700 Cable, 3 m	€ 31,00
41	PC 4.1 Ident. No. 0003192000 RS 232 server	€ 1.587,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Vacuum pumps</b>		
42	MVP 10 basic Ident. No. 0003980000 Membrane vacuum pump for dry, oil-free applications in the low vacuum range	€ 1.489,00
43	VCV 1 Ident. No. 0020004850 Vacuum control valve, manual	€ 525,00
44	VCV 2 Ident. No. 0020004893 Vacuum control valve, digital	€ 870,00
45	VSS 1 Ident. No. 0020005194 Vacuum safety set	€ 735,00
46	VC 10 Ident. No. 0020005132 Vacuum controller	€ 1.473,00



## /// magic PLANT

### TECHNICAL DATA /// Comparison

	<b>magic PLANT basic</b> Ident. No. 0020001186	<b>magic PLANT inline</b> Ident. No. U107703	<b>magic PLANT powder</b> Ident. No. U107159
Max. admissible temperature	150 °C	80 °C/120 °C	150 °C
Working pressure range	-1 to 2,5 bar	-0,5 to 2,5 bar	-1 to 2,5 bar
Useful volume	2 l	2 l	2 l
Stirring tool	anchor and propeller	anchor	spiral
Speed range	0 – 350 rpm 0 – 2.000 rpm	0 – 350 rpm 0 – 2.000 rpm	0 – 350 rpm
	<b>€ 20.400,00</b>	<b>€ 28.900,00</b>	<b>€ 20.900,00</b>



#### 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.

### magic PLANT

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.



**Modular**  
design.



**Higher viscosity**  
products processible.



**Tiltable** vessel.



## /// Algaemaster

Algae are becoming increasingly interesting for different industries. The IKA Algaemaster 10 control is a fully autonomous photobioreactor that provides researchers with the equipment necessary for producing mass densities of sensitive microalgae.



MIN. USABLE VOLUME: 6 L  
MAX. USABLE VOLUME: 10 L

### KEY FEATURES

#### IKA ALGAEMASTER 10 CONTROL

- › Ocean water resistant and completely autoclavable lid and vessel.
- › Metal-free components for sensitive bioactive materials.
- › Material touching the product: borosilicate glass, PTFE, Ultem®.
- › Computerized control of lighting, temperature, stirring, pH and dosing of liquid or gas.
- › Customizable lid with nine receptacles.
- › Effortless data collection via USB drive.
- › Attractive cost/performance ratio.

#### IKA ALGAEMASTER 10 CONTROL

Ident. No. 0025004601

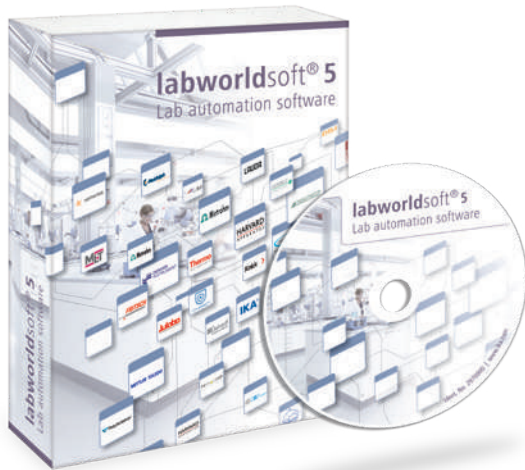
**Price on request**

# Software

/// labworldsoft®

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.



## TECHNICAL DATA

labworldsoft®, Ident. No. 0004720000

## Conditions

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/7/8/10.

## Price

€ 1.285,00



## /// CalWin

CalWin represents the newest generation of professional software for all IKA calorimeters. It offers numerous functions for monitoring and evaluating results.



### TECHNICAL DATA

/// C 6040 CalWin, Ident. No. 0004040500

#### Conditions

#### Price

Windows XP (SP2), Windows Vista,  
Windows 7, Windows 8, Windows 10 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.

€ 1.946,00

\* Connection cable C 5041.10 and USB / RS 232 adapter are included with the delivery.



**Data management** via Microsoft SQL server possible 2008 R2.



Clear display of all measurements, results as well as connected calorimeters on a single screen.



**Correction calculation** for the determination of the calorific value according to ISO, ASTM, DIN, GB, GOST and other standards.



**Print and save** of calibration protocols with control chart view.



**Library and grouping function** with extended options to filter data.



**Transfer of data** in pre-configured MS Excel spreadsheets (can be configured by user).

## /// Software | Accessories

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Accessories</b>		
①	Expert Key 100 eco Ident. No. 0020005486	Data collection system for laboratories <b>€ 3.310,00</b>
②	Expert Key 100 pro Ident. No. 0020005485	Data collection system for industries <b>€ 3.498,00</b>
	Multi power Switch Ident. No. 0020003454	Switchable multiple connection plug board <b>€ 72,00</b>
	PT 100.1 A 1 Ident. No. 0020004315	Adapterventile for Expert Key <b>€ 58,00</b>
	PT 1000 A 1 Ident. No. 0020004316	Adapter DIN 6 for Expert Key <b>€ 67,00</b>
	PT 100.10 A 1 Ident. No. 0020004317	Adapter DIN 5 for Expert Key <b>€ 26,00</b>
	RV 10 A 1 Ident. No. 0020004314	Adapterventile for Expert Key <b>€ 98,00</b>
	PT 100 extension (Lemo) Ident. No. 0020004629	Extension cable PT 100, LEMO connector, 3 m <b>€ 165,00</b>
	MV 1 powerplug Ident. No. 0010001655	Cooling-water-valve with power plug <b>€ 445,00</b>

①



②



### PC 4.1 RS 232 Server

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

Ident. No. 0003192000  
**€ 1.587,00**

## /// Software | Accessories



### TECHNICAL DATA

/// Comparison

	Pins	Length	Price
<b>Cable</b>			
PC 1.1 cable Ident. No. 0002616700	–	3 m	€ 31,00
PC 1.5 cable Ident. No. 0002756000	–	2,5 m	€ 29,00
PC 2.1 cable Ident. No. 0002700700	–	5 m	€ 14,00
PC 2.3 cable Ident. No. 0003036200	–	3 m	€ 318,00
DTM 12.10 cable Ident. No. 0003127800	9 pins (F)	2,5 m	€ 286,00
<b>Adapter</b>			
PC 1.2 adapter Ident. No. 0002616800	25 pins	–	€ 51,00
PC 1.4 adapter Ident. No. 0002755900	9 pins (F), 15 pins (M)	–	€ 66,00
PC 2.2 adapter Ident. No. 0002753200	9 pins (F), 15 pins (M)	–	€ 51,00

\* For more information on cables and adapters, please visit our website:  
[www.ika.com](http://www.ika.com)



# Analytical Technology

## /// Oxygen bomb 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 are optimally geared towards various different demands. Functionality, safety, and longevity were the main goals in the development of IKA's oxygen bomb calorimeters.



**Interfaces:** PC (USB-B), printer and balance (both serial interfaces).



Automatic **water filling and draining.**



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



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



**C 1 Package 2/10**

*Ident. No. 0010002413*

**Price on request**

## /// Calorimeters

### TECHNICAL DATA /// Comparison

#### C 1

Maximum energy input	40.000 J
Resolution of the temperature sensor	0,0001
Power ON-time	100 %
Operating oxygen pressure	30 bar
Measuring modes / Measurements per hour	Static jacket (Regnault Pfaundler) 4
Start temperature settings	2 possible settings: 22 °C or 30 °C
RSD (using NIST benzoic acid 39j)	Static jacket (Regnault Pfaundler) 0,15 %
Number of decomposition vessels per unit	up to 2

**Price on request**

- C 1 Package 1/10 Ident. No. 0010002412
- C 1 Package 2/10 Ident. No. 0010002413
- C 1 Package 3/10 Ident. No. 0010002414
- C 1 Package 1/12 Ident. No. 0010002415
- C 1 Package 2/12 Ident. No. 0010002416
- C 1 Package 3/12 Ident. No. 0010002417



### TECHNICAL DATA /// Comparison

#### C 200 | C 200 h

Ident. No. 0008802500 |  
0008803700

#### C 200 auto | h auto

Ident. No. 0010002379 |  
0010002387

Maximum energy input	40.000 J	40.000 J
Resolution of the temperature sensor	0,0001	0,0001
Power ON-time	continuous operation	continuous operation
Type of cooling	–	Flow
Cooling medium	–	Tap water
Cooling	–	RC 2 basic
Measuring modes / Measurements per hour	Isoperibol 3, Dynamic 5 Manual 3, Time-controlled 4	Isoperibol 3, Dynamic 5 Manual 3, Time-controlled 4
Start temperature settings	18 – 25 °C	18 – 25 °C
RSD (using NIST benzoic acid 39j)	Isoperibol 0,1 % Dynamic 0,1 % Manual (Isoperibol) 0,1 % Time-controlled 0,1 %	Isoperibol 0,1% Dynamic 0,1% Manual (Isoperibol) 0,1 % Time-controlled 0,1%
Number of decomposition vessel per unit	up to 4	up to 4

**Price on request**

**Price on request**



## /// Calorimeters

### TECHNICAL DATA /// Comparison

#### C 6000 global standards

Maximum energy input	40.000 J
Resolution of the temperature sensor	0,0001
Power ON-time	100 %
Operating oxygen pressure	30 bar
Measuring modes / Measurements per hour	Adiabatic 5 Isoperibol (Regnault Pfaundler) 4 Dynamic 6
Start temperature settings	3 possible settings: 22 °C, 25 °C or 30 °C
RSD (using NIST benzoic acid 39j)	Adiabatic 0,05 % Isoperibol 0,05 % Dynamic 0,15 %
Number of decomposition vessels per unit	up to 4

#### Price on request

C 6000 global standards Package 1/10 Ident. No. 0010001046  
 C 6000 global standards Package 1/12 Ident. No. 0010001047  
 C 6000 global standards Package 2/10 Ident. No. 0008804300  
 C 6000 global standards Package 2/12 Ident. No. 0008804400



### TECHNICAL DATA /// Comparison

#### C 6000 isoperibol

Maximum energy input	40.000 J
Resolution of the temperature sensor	0,0001
Power ON-time	100 %
Operating oxygen pressure	30 bar
Measuring modes / Measurements per hour	Isoperibol 4 Dynamic 6
Start temperature settings	3 possible settings: 22 °C, 25 °C or 30 °C
RSD (using NIST benzoic acid 39j)	Isoperibol (Regnault Pfaundler) 0,05 % Dynamic 0,15 %
Number of decomposition vessels per unit	up to 4

#### Price on request

C 6000 isoperibol Package 1/10 Ident. No. 0010001048  
 C 6000 isoperibol Package 1/12 Ident. No. 0010001049  
 C 6000 isoperibol Package 2/10 Ident. No. 0008804700  
 C 6000 isoperibol Package 2/12 Ident. No. 0008804800



## /// Calorimeters

### TECHNICAL DATA /// Comparison

#### C 7000

Maximum energy input	30.000 J
Resolution of the temperature sensor	0,0001
Power ON-time	continuous operation
Operating oxygen pressure	30 bar
Measuring modes	double dry
Start temperature settings	12 – 30 °C (cooling water)
RSD (using NIST benzoic acid 39)	double dry 0,2 % – 0,5 %
Number of decomposition vessels per unit	up to 4

**Price on request**

C 7000 Set 1 Ident. No. 0008800900  
C 7000 Set 2 Ident. No. 0008801400



## /// Calorimeters | Accessories and consumables

### NEW PRODUCTS /// Comparison

#### Description

#### Price

#### C 1 consumables and accessories

C 1.20 Ident. No. 0004501000	Heater	€ 1.156,00
① C 1.12 Ident. No. 0004500400	Combustion chamber, halogen resistant	€ 2.400,00
C 1.121 Ident. No. 0004502300	Set of spare parts, approx. 1.000 experiments	€ 585,00

#### C 6000 accessories

C 6010.10 Ident. No. 0020007518	Combustion shield	€ 96,00
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#### C 200 consumables

② C 200.RC Ident. No. 0020010835	Set of hoses	€ 499,00
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NEW!

## /// Calorimeters | Accessories and consumables

### TECHNICAL DATA /// Comparison

	Description	Price
<b>C 1 and C 6000 consumables</b>		
①	C 1.50 Ident. No. 0004500600 Dot matrix printer	€ 974,00
②	C 1.103 Ident. No. 0004579300 Ignition wire, kantal, 5 Pcs	€ 36,00
③	C 1.123 Ident. No. 0004500200 Ignition wire, platinum, 2 Pcs	€ 122,00
<b>C 1 accessories and consumables</b>		
④	C 1.1012 Ident. No. 0004500700 Organizer	€ 152,00
⑤	C 1.20 Ident. No. 0004501000 Heater	€ 1.156,00
	C 1.30 Ident. No. 0004500900 Venting station	€ 1.721,00
⑥	C 1.10 Ident. No. 0004500300 Combustion chamber	€ 373,00
⑦	C 1.101 Ident. No. 0004502200 Set of spare parts, approx. 1.000 experiments	€ 286,00
<b>C 6000 accessories and consumables</b>		
⑧	C 6010 Ident. No. 0003770000 Decomposition vessel, standard	€ 2.749,00
⑨	C 6012 Ident. No. 0004504000 Decomposition vessel, halogen resistant	€ 5.190,00
⑩	C 6030 Ident. No. 0004504100 Venting station	€ 2.028,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>C 6000 accessories and consumables</b>		
	C 60.1012 Ident. No. 0004504200 Organizer	€ 212,00
	C 6000.10 Ident. No. 0004504300 Set of spare parts, approx. 1.000 experiments	€ 822,00
	C 6000.12 Ident. No. 0004504400 Set of spare parts, approx. 1.000 experiments	€ 2.094,00
⑪	C 5020 Ident. No. 0007145000 Sample rack	€ 5.374,00
<b>C 200 accessories</b>		
	C 248 Ident. No. 0003520000 Oxygen station	€ 904,00
⑫	C 200.1 Ident. No. 0003548900 Measuring cup, 2.000 ml	€ 38,00
	C 200.2 Ident. No. 0004028800 Conversion kit for C 5012	€ 145,00
	C 5010 Ident. No. 0007114000 Decomposition vessel, standard	€ 3.423,00
	C 5012 Ident. No. 0007215000 Decomposition vessel, halogen resistant	€ 6.953,00
⑬	C 5030 Ident. No. 0007198000 Venting station	€ 2.443,00
⑭	C 5010.4 Ident. No. 0003016900 Attachment for combustible crucible C 14	€ 232,00
	C 26 Ident. No. 0008804000 Prep stand	€ 173,00
	C 200.RC Ident. No. 0020010835 Set of hoses	€ 499,00

## /// Calorimeters | Accessories and consumables

### TECHNICAL DATA /// Comparison

	Description	Price
<b>C 1, C 200, C 6000 accessories</b>		
C 25 Ident. No. 0003197200	Pressure regulating valve	€ 321,00
<b>C 7000 accessories</b>		
C 7000 Ident. No. 0003008000	Measurement cell	€ 26.767,00
C 7010 Ident. No. 0003015000	Decomposition vessel, standard	€ 3.964,00
C 7012 Ident. No. 0003017000	Decomposition vessel, halogen resistant	€ 7.719,00
C 7002 Ident. No. 0007011000	Cooling system	€ 10.239,00
<sup>15</sup> C 48 Ident. No. 0001560000	Oxygen station	€ 2.418,00
<sup>16</sup> C 7030 Ident. No. 0003013300	Venting station	€ 1.829,00
<sup>17</sup> C 7010.8 Ident. No. 0007095000	Venting handle	€ 412,00
<sup>18</sup> C 5010.4 Ident. No. 0003016900	Attachment for combustible crucible C 14	€ 232,00
<sup>19</sup> C 5010.5 Ident. No. 0003055900	Crucible holder, big	€ 169,00



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Accessories for all calorimeters</b>		
<sup>20</sup> C 27 Ident. No. 0004579700	Calorimeter preparation set	€ 100,00
<sup>21</sup> C 29 Ident. No. 0000750200	Pressure gauge, oxygen	€ 990,00
<sup>22</sup> C 21 Ident. No. 0001605300	Pelleting press	€ 2.838,00
<sup>23</sup> C 5010.8 Ident. No. 0004579800	Crucible holder, small	€ 139,00
<sup>24</sup> C 5010.5 Ident. No. 0003055900	Crucible holder, big	€ 169,00
<b>C 200 and C 7000 consumables</b>		
<sup>25</sup> C 5010.3 Ident. No. 0007122800	Ignition wire, spare, 5 Pcs	€ 45,00
<sup>26</sup> C 5012.3 Ident. No. 0002994900	Ignition wire, platinum, 2 Pcs	€ 126,00
<sup>27</sup> C 14 Ident. No. 0007224500	Combustible crucible, 100 Pcs	€ 74,00

The halogen resistant decomposition vessels C 5012, C 6012 and C 7012 are equipped with a catalytically active surface that enhances the ongoing reactions during combustion. This results in higher recovery rates for halogens and sulfur.



## /// Calorimeters | Accessories and consumables

### TECHNICAL DATA /// Comparison

	Description	Price
<b>Consumables for all calorimeters</b>		
	C 6000.1 Ident. No. 0020014031	Water protect, 100 ml <b>€ 68,00</b>
28	C 710.4 Ident. No. 0001483700	Cotton thread, cut to length, 500 Pcs <b>€ 31,00</b>
29	C 710.8 Ident. No. 0004579900	Cotton thread, cut to length, thick, 500 Pcs <b>€ 31,00</b>
30	C 4 Ident. No. 0001695500	Quartz dish <b>€ 24,00</b>
31	C 5 Ident. No. 0001749500	Set of VA combustion crucibles, 25 Pcs <b>€ 119,00</b>
32	C 6 Ident. No. 0000355100	Quartz dish, big <b>€ 33,00</b>
33	C 710.2 Ident. No. 0001483500	Set of VA combustion crucibles, 25 Pcs <b>€ 182,00</b>
34	C 9 Ident. No. 0000749900	Gelatine capsules, 100 Pcs <b>€ 31,00</b>
35	C 10 Ident. No. 0000750000	Acetobutyrate capsules, 100 Pcs <b>€ 84,00</b>



### TECHNICAL DATA /// Comparison

	Description	Price
<b>Consumables for all calorimeters</b>		
36	C 12 Ident. No. 0002201400	Combustion bags, 40 × 35 mm, 100 Pcs <b>€ 33,00</b>
37	C 12 A Ident. No. 0002201500	Combustion bags, 70 × 40 mm, 100 Pcs <b>€ 34,00</b>
38	C 15 Ident. No. 0003131100	Paraffin, strips, 45 × 3 mm, 600 Pcs <b>€ 40,00</b>
	C 16 Ident. No. 0003801100	Parafilm, 1.000 × 50 mm <b>€ 47,00</b>
39	C 17 Ident. No. 0003801200	Paraffin, liquid, 30 ml <b>€ 78,00</b>
40	C 43 Ident. No. 0000750600	Benzoic acid, NIST 39j, 30 g <b>€ 524,00</b>
41	C 723 Ident. No. 0003243000	Benzoic acid, blister package, 0,5 g, 50 Pcs <b>€ 115,00</b>
	C 723 Big Pack Ident. No. 0003717400	Benzoic acid, blister package, 0,5 g, 450 Pcs <b>€ 721,00</b>
42	AOD 1.11 Ident. No. 0003044000	Control standard, 50 ml, for sulfur and chlorine <b>254,00</b>
43	AOD 1.12 Ident. No. 0003080200	Control standard, 50 ml, for Fluorine and bromine <b>€ 314,00</b>



### /// Calorimeters | Accessories and consumables

TECHNICAL DATA		/// Comparison	
Description		Price	
<b>AOD 1 consumables</b>			
44	C 4 Ident. No. 0001695500	Quartz dish	€ 24,00
45	C 9 Ident. No. 0000749900	Gelatine capsules, 100 Pcs	€ 31,00
46	C 10 Ident. No. 0000750000	Acetobutyrate capsules, 100 Pcs	€ 84,00
47	C 12 Ident. No. 0002201400	Combustion bags, 40 x 35 mm, 100 Pcs	€ 33,00
48	C 12 A Ident. No. 0002201500	Combustion bags, 70 x 40 mm, 100 Pcs	€ 34,00
49	C 14 Ident. No. 0007224500	Combustible crucible, 100 Pcs	€ 74,00
50	C 15 Ident. No. 0003131100	Paraffilm strips, 45 x 3 mm, 600 Pcs	€ 40,00



44



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46



47



48



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TECHNICAL DATA		/// Comparison	
Description		Price	
<b>AOD 1 consumables</b>			
51	C 5012.3 Ident. No. 0002994900	Ignition wire, platinum, 2 Pcs	€ 126,00
52	C 710.4 Ident. No. 0001483700	Cotton thread, cut to length, 500 Pcs	€ 31,00
53	AOD 1.11 Ident. No. 0003044000	Control standard, 50 ml	€ 254,00
54	AOD 1.12 Ident. No. 0003080200	Control standard, 50 ml	€ 314,00
55	C 723 Ident. No. 0003243000	Benzoic acid, blister package, 50 Pcs	€ 115,00
56	C 723 Big Pack Ident. No. 0003717400	Benzoic acid, blister package, 450 Pcs	€ 721,00



51



52



53



54



55



56



## /// Calorimeters | Accessories and consumables

### TECHNICAL DATA

/// Comparison

	Description	Price
<b>Decomposition accessories</b>		
57	AOD 1.1 Ident. No. 0003303000 Decomposition vessel	€ 5.532,00
58	AOD 1.2 Ident. No. 0003348000 External ignition unit	€ 1.299,00
59	AOD 1.3 Ident. No. 0003308000 Protection device	€ 2.118,00
	AOD 1.13 Ident. No. 0003348100 Remote ignition head	€ 595,00



57



58



59

### Decomposition AOD 1\*

- > AOD 1.1 decomposition vessel
- > AOD 1.2 external ignition unit
- > C 48 oxygen station
- > AOD 1.11 control standard S, CI, 50 ml

Ident. No. 0008801300  
**€ 7.463,00**

\* Absolutely essential accessories in case the AOD 1.3 protection device is not used:  
AOD 1.13 remote ignition



### C 6040 CalWin

System 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.

Ident. No. 0004040500  
**€ 1.946,00**

\* Connection cable C 5041.10 and USB / RS 232 adapter are included with the delivery.

# Conveniently packaged

/// IKA Packages



## MAGNETIC STIRRERS PACKAGES

/// Overview

Description

Price

### ① C-MAG HS 7 basic package, Ident. No. 0009015900

C-MAG HS 7

Ident. No. 0003581200

–

ETS-D5

Ident. No. 0003378000

Electronic contact thermometer

H 38

Ident. No. 0003547700

Holding rod

H 44

Ident. No. 0002437700

Boss head clamp

H 16 V

Ident. No. 0001545100

Support rod

€ 699,00



①



②



③



## OVERHEAD STIRRER PACKAGES

/// Overview

Description

Price

### ② RW 28 digital package, Ident. No. 0009023200

RW 28

Ident. No. 0005040000

Digital (Drive)

R 2723

Ident. No. 0001412100

Telescopic stand

R 1385

Ident. No. 0000477700

Propeller stirrer

R 271

Ident. No. 0002664000

Boss head clamp

€ 3.479,00

### ③ RW 47 digital package, Ident. No. 0009023300

RW 47

Ident. No. 0004050000

Digital (Drive)

R 2302

Ident. No. 0000739000

Propeller stirrer

R 474

Ident. No. 0001643000

Telescopic stand

€ 5.944,00

## /// IKA Packages

### SHAKERS PACKAGES /// Overview

Description Price

#### ④ KS 130 basic package, Ident. No. 0009019000

KS 130 basic Ident. No. 0002980000	–	
AS 130.3 Ident. No. 0003120000	Dish attachment	
STICKMAX Ident. No. 0003920000	Universal adhesive mat	

€ 1.499,00

#### KS 130 control NOL package, Ident. No. 0009025500

KS 130 control NOL Ident. No. 0004278200	–	
AS 130.3 Ident. No. 0003120000	Dish attachment	
STICKMAX Ident. No. 0003920000	Universal adhesive mat	

€ 1.799,00

### SHAKERS PACKAGES /// Overview

Description Price

#### KS 260 basic package, Ident. No. 0009019200

KS 260 basic Ident. No. 0002980200	–	
AS 260.3 Ident. No. 0003120600	Dish attachment	
2 × STICKMAX Ident. No. 0003920000	Universal adhesive mat	

€ 2.399,00

#### KS 260 control NOL package, Ident. No. 0009025600

KS 260 control NOL Ident. No. 0004278400	–	
AS 260.3 Ident. No. 0003120600	Dish attachment	
2 × STICKMAX Ident. No. 0003920000	Universal adhesive mat	

€ 2.499,00



## /// IKA Packages

### DISPERSERS PACKAGES /// Overview

Description		Price
<b>T 18 digital package, Ident. No. 0009022800</b>		
T 18 digital Ident. No. 0003720000	–	
S 18 N - 19 G Ident. No. 000L004640	Dispersing tool	
		<b>€ 1.599,00</b>

### DISPERSERS PACKAGES /// Overview

Description		Price
<b>T 65 basic package, Ident. No. 0009023400</b>		
T 65 basic Ident. No. 0004023500	–	
S 65 KG - HH - G 65 G Ident. No. 0008005500	Dispersing tool	
T 653 Ident. No. 0001608000	Telescopic stand	
		<b>€ 7.599,00</b>
<b>T 65 digital package, Ident. No. 0009023500</b>		
T 65 digital Ident. No. 0004234500	–	
S 65 KG - HH - G 65 G Ident. No. 0008005500	Dispersing tool	
T 653 Ident. No. 0001608000	Telescopic stand	
		<b>€ 10.929,00</b>



## /// IKA Packages



### CIRCULATOR PACKAGES

/// ICC packages – heating bath circulators

Description		Price
<b>ICC basic eco 8*, Ident. No. 0008034900   ICC control eco 8**, Ident. No. 0008035300</b>		
IB eco 8 Ident. No. 0004248100	Bath vessel, plastic	
BS.ICC Ident. No. 0020003077	Bath bridge	
		<b>€ 1.251,00   € 1.751,00</b>
<b>ICC basic eco 18*, Ident. No. 0008035000   ICC control eco 18**, Ident. No. 0008035400</b>		
IB eco 18 Ident. No. 0004248200	Bath vessel, plastic	
BL.ICC Ident. No. 0020003078	Bath bridge	
		<b>€ 1.377,00   € 1.877,00</b>
<b>ICC basic pro 9*, Ident. No. 0008035100   ICC control pro 9**, Ident. No. 0008035500</b>		
IB pro 9 Ident. No. 0004248500	Bath vessel, stainless steel	
BS.ICC Ident. No. 0020003077	Bath bridge	
		<b>€ 1.377,00   € 1.877,00</b>

\* ICC basic included in delivery  
\*\* ICC control included in delivery



### CIRCULATOR PACKAGES

/// ICC packages – heating bath circulators

Description		Price
<b>ICC basic pro 12*, Ident. No. 0010000414   ICC control pro 12**, Ident. No. 0010000415</b>		
IB pro 12 Ident. No. 0004577500	Bath vessel, stainless steel	
BL.ICC Ident. No. 0020003078	Bath bridge	
		<b>€ 1.438,00   € 1.938,00</b>
<b>ICC basic pro 20*, Ident. No. 0008035200   ICC control pro 20**, Ident. No. 0008035600</b>		
IB pro 20 Ident. No. 0004248600	Bath vessel, stainless steel	
BL.ICC Ident. No. 0020003078	Bath bridge	
		<b>€ 1.538,00   € 2.038,00</b>
<b>ICC basic IB R RO 15 eco*, Ident. No. 0010002471   ICC control IB R RO 15 eco**, Ident. No. 0010002474</b>		
IB R RO 15 eco, Ident. No. 0020006341	Bath vessel, plastic	
BL.ICC Ident. No. 0020003078	Bath bridge	
RO 15 Ident. No. 0003692500	Multiposition magnetic stirrer	
		<b>€ 3.200,00   € 3.700,00</b>

\* ICC basic included in delivery  
\*\* ICC control included in delivery

## /// IKA Packages



### CIRCULATOR PACKAGES

/// ICC packages – heating bath circulators with cover

Description		Price
<b>ICC basic eco 8 c*, Ident. No. 0008035700   ICC control eco 8 c**, Ident. No. 0008036100</b>		
IB eco 8 Ident. No. 0004248100	Bath vessel, plastic	
BS.ICC Ident. No. 0020003077	Bath bridge	
CS.ICC Ident. No. 0004471500	Cover	
		<b>€ 1.598,00   € 2.327,00</b>
<b>ICC basic eco 18c*, Ident. No. 0008035800   ICC control eco 18c**, Ident. No. 0008036200</b>		
IB eco 18 Ident. No. 0004248200	Bath vessel, plastic	
BL.ICC Ident. No. 0020003078	Bath bridge	
CL.ICC Ident. No. 0004471600	Cover	
		<b>€ 1.757,00   € 2.486,00</b>
<b>ICC basic pro 9 c*, Ident. No. 0008035900   ICC control pro 9 c**, Ident. No. 0008036300</b>		
IB pro 9 Ident. No. 0004248500	Bath vessel, stainless steel	
BS.ICC Ident. No. 0020003077	Bath bridge	
CS.ICC Ident. No. 0004471500	Cover	
		<b>€ 1.724,00   € 2.453,00</b>



### CIRCULATOR PACKAGES

/// ICC packages – heating bath circulators with cover

Description		Price
<b>7 ICC basic pro 12 c*, Ident. No. 0010000416   ICC control pro 12 c**, Ident. No. 0010000417</b>		
IB pro 12 Ident. No. 0004577500	Bath vessel, stainless steel	
BL.ICC Ident. No. 0020003078	Bath bridge	
CM.ICC Ident. No. 0025000290	Cover	
		<b>€ 1.818,00   € 2.547,00</b>
<b>ICC basic pro 20 c*, Ident. No. 0008036000   ICC control pro 20 c**, Ident. No. 0008036400</b>		
IB pro 20 Ident. No. 0004248600	Bath vessel, plastic	
BL.ICC Ident. No. 0020003078	Bath bridge	
CL.ICC Ident. No. 0004471600	Cover	
		<b>€ 1.918,00   € 2.647,00</b>



\* ICC basic (0004134400) included in delivery  
\*\* ICC control (0004136600) included in delivery

Included in all heating bath circulators with cover:  
Pump connection set PCSS.ICC (0004471900)  
Cooling coil CC 2 (0025001061)

**7** Included in all control packages:  
PT 100 Sensor PT 100.30 (0004284700)

## /// IKA Packages



### CIRCULATOR PACKAGES

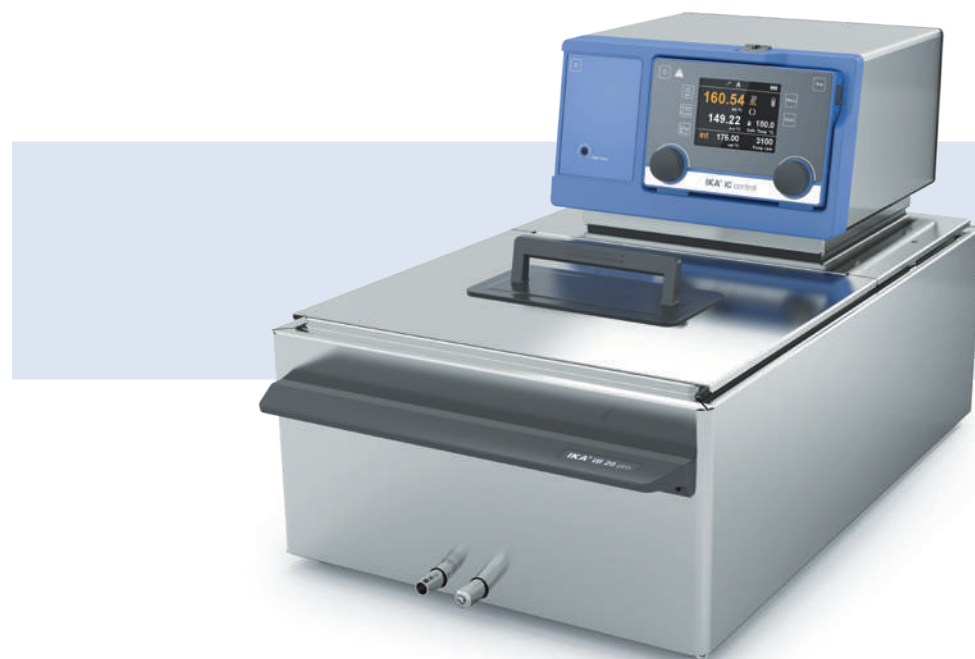
/// IC packages – heating bath circulators with cover

Description		Price
<b>IC basic pro 12 c*, Ident. No. 0008039900  </b> <b>IC control pro 12 c**, Ident. No. 0008040000</b>		
IB pro 12 Ident. No. 0004577500	Bath vessel, stainless steel	
CM.IC Ident. No. 0004577600	Cover	
		<b>€ 3.182,00  </b> <b>€ 3.659,00</b>
<b>IC basic pro 20 c*, Ident. No. 0008036800  </b> <b>IC control pro 20 c**, Ident. No. 0008037200</b>		
IB pro 20 Ident. No. 0004248600	Bath vessel, plastic	
CL.IC Ident. No. 0004471800	Cover	
		<b>€ 3.320,00  </b> <b>€ 3.797,00</b>


\* IC basic included in delivery


\*\* 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



## /// IKA Packages

 <b>ROTARY EVAPORATOR PACKAGES</b> /// Overview		Description	Price
<b>RV 3 V, Ident. No. 0010003324</b>			
RV 3 Ident. No. 0020015793	Drive		
HB eco Ident. No. 0025004726	Heating bath		
RV 10.1 Ident. No. 0003655300	Set of glassware, vertical		
			<b>€ 1.999,00</b>
<b>RV 3 V-C, Ident. No. 0010003328</b>			
RV 3 Ident. No. 0020015793	Drive		
HB eco Ident. No. 0025004726	Heating bath		
RV 10.10 Ident. No. 0003755400	Set of glassware, vertical, coated		
			<b>€ 2.131,00</b>

 <b>ROTARY EVAPORATOR PACKAGES</b> /// Overview		Description	Price
<b>RV 3 FLEX, Ident. No. 0010003331</b>			
RV 3 Ident. No. 0020015793	Drive		
HB eco Ident. No. 0025004726	Heating bath		
RV 05.10 Ident. No. 0000736600	Balljoint clamp		
			<b>€ 1.874,00</b>





## /// IKA Packages



### ROTARY EVAPORATOR PACKAGES

/// Overview

#### Description

#### Price

##### RV 8 V, Ident. No. 0010003482

9

RV 8 Ident. No. 0025002822	Drive	
HB digital Ident. No. 0020004009	Heating bath	
RV 10.1 Ident. No. 0003655300	Set of glassware, vertical	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 2.513,00**

##### RV 8 V-C, Ident. No. 0010003485

RV 8 Ident. No. 0025002822	Drive	
HB digital Ident. No. 0020004009	Heating bath	
RV 10.10 Ident. No. 0003755400	Set of glassware, vertical, coated	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 2.654,00**



9



### ROTARY EVAPORATOR PACKAGES

/// Overview

#### Description

#### Price

##### RV 8 FLEX, Ident. No. 0010003488

RV 8 Ident. No. 0025002822	Drive	
HB digital Ident. No. 0020004009	Heating bath, incl. woulff bottle	
RV 05.10 Ident. No. 0000736600	Balljoint clamp	
RV 10.88 Ident. No. 0003683300	Clamp, NS 29	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 2.379,00**

##### RV 10 digital V, Ident. No. 0008040300

RV 10 digital Ident. No. 0003550099	Drive	
HB 10 Ident. No. 0020004009	Heating bath	
RV 10.1 Ident. No. 0003655300	Set of glassware, vertical	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 3.685,00**

## /// IKA Packages

### ROTARY EVAPORATOR PACKAGES /// Overview

Description Price

#### RV 10 digital V-C, Ident. No. 0008040400

⑩	RV 10 digital Ident. No. 0003550099	Drive	
	HB 10 Ident. No. 0004068099	Heating bath	
	RV 10.10 Ident. No. 0003755400	Set of glassware, vertical, coated	
	RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	
			<b>€ 3.993,00</b>

#### RV 10 digital FLEX, Ident. No. 0008040500

	RV 10 digital Ident. No. 0003550099	Drive	
	HB 10 Ident. No. 0004068099	Heating bath, incl. woulff bottle	
	RV 05.10 Ident. No. 0000736600	Balljoint clamp	
	RV 10.88 Ident. No. 0003683300	Clamp, NS 29	
	RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	
			<b>€ 2.762,00</b>



### ROTARY EVAPORATOR PACKAGES /// Overview

Description Price

#### RV 10 auto V, Ident. No. 0010003472

⑪	RV 10 auto Ident. No. 0020003919	Drive	
	HB 10 Ident. No. 0004068099	Heating bath	
	RV 10.1 Ident. No. 0003655300	Set of glassware, vertical	
	RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	
	RV 10.4002 Ident. No. 0003880300	Magnetic valve laboratory vacuum	
			<b>€ 6.112,00</b>

#### RV 10 auto V-C, Ident. No. 0010003475

	RV 10 auto Ident. No. 0020003919	Drive	
	HB 10 Ident. No. 0004068099	Heating bath	
	RV 10.10 Ident. No. 0003755400	Set of glassware, vertical, coated	
	RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	
	RV 10.4002 Ident. No. 0003880300	Magnetic valve laboratory vacuum	
			<b>€ 6.484,00</b>



## /// IKA Packages



### ROTARY EVAPORATOR PACKAGES

/// Overview

Description		Price
<b>RV 10 auto FLEX, Ident. No. 0010003478</b>		
RV 10 auto Ident. No. 0020003919	Drive	
HB 10 Ident. No. 0004068099	Heating bath, incl. Woulff bottle	
RV 05.10 Ident. No. 0000736600	Balljoint clamp	
RV 10.88 Ident. No. 0003683300	Clamp, NS 29	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	
RV 10.4002 Ident. No. 0003880300	Magnetic valve laboratory vacuum	

**€ 5.152,00**

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### **RV 10 auto pro V, Ident. No. 0010003466**

RV 10 auto Ident. No. 0020003919	Drive	
Pump Ident. No. 0004406000	Pump with analog connection	
HB 10 Ident. No. 0004068099	Heating bath	
RV 10.1 Ident. No. 0003655300	Set of glassware, vertical	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 7.756,00**



### ROTARY EVAPORATOR PACKAGES

/// Overview

Description		Price
<b>RV 10 auto pro V-C, Ident. No. 0010003459</b>		
RV 10 auto Ident. No. 0020003919	Drive	
Pump Ident. No. 0004406000	Pump with analog connection	
HB 10 Ident. No. 0004068099	Heating bath	
RV 10.10 Ident. No. 0003755400	Set of glassware, vertical, coated	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 8.115,00**

### **RV 10 auto pro FLEX, Ident. No. 0010003469**

RV 10 auto Ident. No. 0020003919	Drive	
Pump Ident. No. 0004406000	Pump with analog connection	
HB 10 Ident. No. 0004068099	Heating bath, incl. Woulff bottle	
RV 05.10 Ident. No. 0000736600	Balljoint clamp	
RV 10.88 Ident. No. 0003683300	Clamp, NS 29	
RV 10.70 Ident. No. 0003812200	Vapor tube, NS 29/32	

**€ 7.441,00**



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## /// IKA Packages

CALORIMETER PACKAGES	
/// Overview	
Description	Price
<b>C 1 Package 1/10, Ident. No. 0010002412</b>	
C 1 Ident. No. 0020010860	C 1 Calorimeter
C 1.10 Ident. No. 0004500300	Combustion chamber
RC 2 basic Ident. No. 0004171000	Recirculating chiller
<b>Price on request</b>	
<b>C 1 Package 2/10, Ident. No. 0010002413</b>	
C 1 Ident. No. 0020010860	C 1 Calorimeter
C 1.10 Ident. No. 0004500300	Combustion chamber
<b>Price on request</b>	

### C 1 Package 1/10

The calorimeter is supplied complete with all parts required for installation. In addition, the device package also includes all wear-and-tear parts and consumables for the first 500 tests and 25 calibrations. The C 1.10 combustion chamber is fitted with the large, C 5010.5 crucible holder and the C 6 large quartz crucible.



CALORIMETER PACKAGES	
/// Overview	
Description	Price
<b>C 1 Package 3/10, Ident. No. 0010002414</b>	
C 1	Calorimeter, with heater, tap water
<b>Price on request</b>	
<b>C 1 Package 1/12, Ident. No. 0010002415</b>	
C 1	Calorimeter, with recirculating chiller, halogen resistant
<b>Price on request</b>	
<b>C 1 Package 2/12, Ident. No. 0010002416</b>	
C 1	Calorimeter, without recirculating chiller, halogen resistant
<b>Price on request</b>	
<b>C 1 Package 3/12, Ident. No. 0010002417</b>	
C 1	Calorimeter, with heater, tap water, halogen resistant
<b>Price on request</b>	

## /// IKA Packages

CALORIMETER PACKAGES	
/// Overview	
Description	Price
<b>C 200 package, Ident. No. 0008802500</b>	
⑭ C 200 Ident. No. 0003385000	Measurement cell
C 5010 Ident. No. 0007114000	Decomposition vessel, standard
C 248 Ident. No. 0003520000	Oxygen station
<b>Price on request</b>	
<b>C 200 h package, Ident. No. 0008803700</b>	
C 200 Ident. No. 0003385000	Measurement cell
C 200.2 Ident. No. 0004028800	Conversion set for C 5012
C 248 Ident. No. 0003520000	Oxygen station
C 5012 Ident. No. 0007215000	Decomposition vessel, halogen resistant
<b>Price on request</b>	

CALORIMETER PACKAGES	
/// Overview	
Description	Price
<b>C 200 auto Package, Ident. No. 0010002379</b>	
C 200 Ident. No. 0003385000	Measurement cell
RC 2 basic Ident. No. 0004171000	Recirculating chiller
C 200.RC Ident. No. 0020010835	Set of hoses
<b>Price on request</b>	
<b>C 200 h auto Package, Ident. No. 0010002387</b>	
C 200 h Ident. No. 0010002379	Measurement cell
RC 2 basic Ident. No. 0004171000	Recirculating chiller
C 200.RC Ident. No. 0020010835	Set of hoses
<b>Price on request</b>	



## /// IKA Packages

CALORIMETERS PACKAGES	
/// Overview	
Description	Price
<b>C 6000 global standards package 1/10, Ident. No. 0010001046</b>	
C 6000 global standards Ident. No. 0003780000	Measurement cell
C 6010 Ident. No. 0003770000	Decomposition vessel, standard
RC 2 basic Ident. No. 0004171000	Recirculating chiller
<b>Price on request</b>	
<b>C 6000 global standards package 1/12, Ident. No. 0010001047</b>	
C 6000 global standards Ident. No. 0003780000	Measurement cell
C 6012 Ident. No. 0004504000	Decomposition vessel, halogen resistant
RC 2 basic Ident. No. 0004171000	Recirculating chiller
<b>Price on request</b>	
<b>C 6000 global standards package 2/10, Ident. No. 0008804300</b>	
C 6000 global standards Ident. No. 0003780000	Measurement cell
C 6010 Ident. No. 0003770000	Decomposition vessel, standard
<b>Price on request</b>	

CALORIMETERS PACKAGES	
/// Overview	
Description	Price
<b>C 6000 global standards package 2/12, Ident. No. 0008804400</b>	
C 6000 global standards Ident. No. 0003780000	Measurement cell
C 6012 Ident. No. 0004504000	Decomposition vessel, halogen resistant
<b>Price on request</b>	
<b>C 6000 isoperibol package 1/10, Ident. No. 0010001048</b>	
C 6000 isoperibol Ident. No. 0004025000	Measurement cell
C 6010 Ident. No. 0003770000	Decomposition vessel, standard
RC 2 basic Ident. No. 0004171000	Recirculating chiller
<b>Price on request</b>	
<b>C 6000 isoperibol package 1/12, Ident. No. 0010001049</b>	
C 6000 isoperibol Ident. No. 0004025000	Measurement cell
C 6012 Ident. No. 0004504000	Decomposition vessel, halogen resistant
RC 2 basic Ident. No. 0004171000	Recirculating chiller
<b>Price on request</b>	

## /// IKA Packages



### CALORIMETERS PACKAGES

/// Overview

#### Description

#### Price

#### C 6000 isoperibol package 2/10, Ident. No. 0008804700

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C 6000 isoperibol

Ident. No. 0004025000

Measurement cell

C 6010

Ident. No. 0003770000

Decomposition vessel, standard

Price on request

#### C 6000 isoperibol package 2/12, Ident. No. 0008804800

C 6000 isoperibol

Ident. No. 0004025000

Measurement cell

C 6012

Ident. No. 0004504000

Decomposition vessel, halogen resistant

Price on request

BESTSELLER!



## /// IKA Packages



### CALORIMETERS PACKAGES

/// Overview

#### Description

#### Price

#### C 7000 Set 1, Ident. No. 0008800900

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C 7000

Ident. No. 0003008000

Measurement cell

C 7010

Ident. No. 0003015000

Decomposition vessel, standard

C 7002

Ident. No. 0007011000

Cooling system

C 48

Ident. No. 0001560000

Oxygen station

Price on request

#### C 7000 Set 2, Ident. No. 0008801400

C 7000

Ident. No. 0003008000

Measurement cell

C 7012

Ident. No. 0003017000

Decomposition vessel, halogen resistant

C 7002

Ident. No. 0007011000

Cooling system

C 48

Ident. No. 0001560000

Oxygen station

Price on request





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