



**IKA**

designed for scientists



# CIS-LABCIS-LABCIS-LAB

EN



Laboratory & Analytical Technology // Life Science

PRODUCT OVERVIEW 2023

# CIS-LABCIS-LABCIS-LAB



## THE VERY BEST FOR YOUR RESEARCH

/// All products for laboratories at a glance

In 2023, we will stay true to our slogan “designed for scientists”: With our laboratory instruments, we support researchers, make an important contribution in the laboratory, and thus help to save lives. In this product overview, you will therefore once again find new features, innovations and complete solutions. Our new product group is made for life science laboratories: bioprocess technology with the first ergonomic laboratory bioreactors.

Would you like to be informed even faster about innovations and news for your laboratory? Then subscribe to our newsletter.



Stay up to date:  
[www.ika.com/newsletter](http://www.ika.com/newsletter)

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## CALIBRATION SERVICES

Ensuring quality and reproducibility: We calibrate all your laboratory devices and document measurement and reference values under specially defined conditions.

If you would like to have your laboratory or analytical device (e.g. ROTAVISC) calibrated regularly, you can benefit from our combined calibration and maintenance agreement. On request, we will provide you with a quotation for regular or even one-off testing adapted to your individual requirements.

Regular calibration is also important during ongoing operation. We will be pleased to make you an offer for the re-calibration of your IKA laboratory devices.

### Factory calibration certificates (ISO calibration)

You will receive a factory calibration certificate according to DIN EN ISO 9001 for your new IKA laboratory & analytical device. The calibration will be performed by our service department before delivery or at your site. The certificate includes up to two calibration parameters at up to two test points as proof of the main function of the device. Typical calibration parameters for IKA devices are temperature and speed.

### General certificates (2.1, 2.2 or 3.1)

For accessories, surface certificates (according to 3.1) or material certificates (according to 2.2 or 2.1) can be issued if required (with additional effort and costs if necessary).

Please note that acceptance test certificates according to DIN EN 10204 - 3.1 must be ordered together with the respective devices or accessories. In most cases, it is not possible to issue them at a later date. This also applies to FDA or GMP certificates, which you require for some of our products and accessories. Please contact us in this regard before ordering. We will check for you whether the required certificates are available for your order.

**Any questions? Our service team is at your personal disposal:  
+1 800 733-3037**

## QUALIFICATION OF NEW DEVICES

For your application it is essential that the laboratory equipment used meets your technical specification! We prove that this is the case at IKA. In the course of a qualification we use visual, safety and functional test certificates.

### Documents for qualification

The set of documents contains everything you need for your own internal qualification:

- › EU Declaration of Conformity
- › Factory certificate (2.1)
- › Factory calibration certificate according to DIN EN ISO 9001
- › Factory certificate of the devices or accessories
- › Proof or certificates of material (if available)

These documents are a supplement to the factory calibration certificates and verifications and are issued on a product-specific basis prior to delivery.

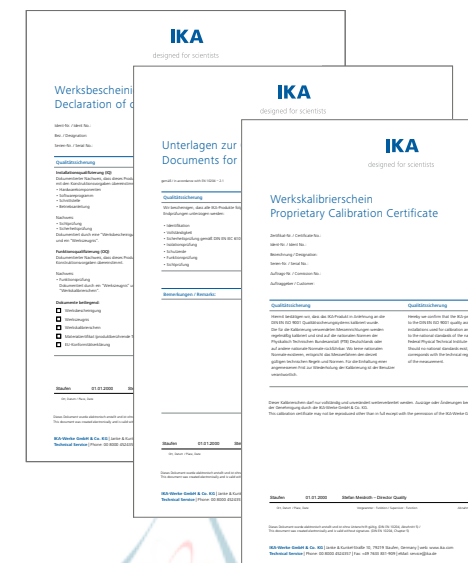
### DQ/IQ/OQ/PQ documents

With these documents, we offer assistance for your own, customer-specific validation of individual devices or entire IKA complete solutions. The product-specific documents are prepared individually according to your requirements. These product-specific documents consist of detailed descriptions of installation qualifications (IQ), functional tests (OQ) and process qualifications (PQ) to be performed based on the customer specification (DQ).

If you operate different devices as a functional unit, we support you in all application-related questions and prepare individual acceptance documentation.

### Qualification implementation (IQ/OQ/PQ)

We also commission your new laboratory devices for you and check it personally using the IQ/OQ/PQ documents. In this way, we ensure that it meets your specific requirements. For this purpose, we develop an individual validation plan for you. On site, we prove that your laboratory device does exactly what it is supposed to do.





## /// AWARD-WINNING LABORATORY EQUIPMENT

Continuous innovative strength, design quality, global sense of responsibility or regional commitment - IKA receives awards for outstanding performance time and again. Entrepreneurial courage, dynamic processes and a willingness to communicate are the reasons for these successes. And they show us that commitment and perseverance always pay off!



### Red Dot Award 2022 for TWISTER

Flat, lightweight, shiny as glass and operable without buttons or knobs: TWISTER is a completely rethought and redesigned mixing professional. It can stir as well as shake. Already at the product launch, it received the Red Dot Award 2022 in the Product Design category. Intuitive operation, small footprint, a robust glass surface and a powerful motor make TWISTER a “must have” in the laboratory. And what’s more, it’s simply unbelievable fun!



reddot winner 2022



## Innovative strength and economic success

IKA continues to be honored for its innovative spirit. We’ve been recognized three times as one of the most innovative companies in Germany, which are awarded by the TOP 100 panel and mentor Ranga Yogeshwar. In 2015, IKA made it to second place in the class of companies with more than 250 employees. IKA was also shortlisted for the Innovation Award at ACHEMA in Frankfurt am Main with ElectraSyn 2.0, the pioneering product in electrochemistry. In addition, studies by the University of St. Gallen have placed our company in the world market leader index for years, which is reflected by the corresponding seal of WirtschaftsWoche. Once again, we are entitled to hold the corresponding seal in 2023.



## Design strength and user-friendliness

Whether the Red dot design award or the German Design Award: the fact that an appealing and user-friendly design plays a central role in product development for IKA is regularly honored. In 2021, MATRIX Orbital Delta Plus received the German Design Award in the category “Excellent Product Design - Industry”. In 2020, it was the new IKA PETTE fix and vario pipettes with their total of 18 different models, and in 2018 the IKA T 25 easy clean ULTRA-TURRAX® high-performance disperser. The coveted red dot was awarded in 2013 to the Tube Mill control batch mill and the LR 1000 laboratory reactor, and in 2018 to the world first ElectraSyn 2.0, a device for electrochemical synthesis. The disperser UTDD control was awarded a “special mention” by the German Design Council in 2014.



## Corporate responsibility

In 2021, IKA was once again honored as “socially committed” as part of the medium-sized company award for social responsibility from the state of Baden-Württemberg. IKA had already received this award in 2013 for its special commitment to the HANDS FOR CHILDREN aid project. In the same year, the Oskar Patzelt Foundation awarded IKA the “Großer Preis des Mittelstandes”. In the Baden-Württemberg state competition, IKA took first place in the industry category.





The time has come for new ergonomic and efficient solutions in the life science laboratory. A smarter way of working that can also be enjoyable under high pressure. That is why we have combined all the core competencies from more than a hundred years of IKA in a new generation of bioreactors. Here we set new standards in mixing, temperature control, automation, safety and design.

## HABITAT RESEARCH

/// The ergonomic bioreactor



HABITAT research is the first laboratory bioreactor with a motor size that matches the volume. The handling is simple, the training time is short. As the first bioreactor with a lid stand, it ensures ergonomic working and a tidy laboratory. In combination with a circulator, e.g. HRC 2 lite, it is your fermenter, and if you connect light panels, your new photobioreactor.

### LID STAND

The lid stand makes experiment preparation easier. The lid does not have to be put down and the motor and sensors are hooked onto the stand. This way, all connections are accessible and the sensors are protected. And everything together finds room in the autoclave.

### CHAOTIC MIXING

In addition to the familiar stirrer control modes, there is the new innovative Chaotic Mode. Here, mixing follows the mathematical principle of chaotic-dynamic systems. The result is a

more homogeneous mixture. You can also choose between 3 different stirrer geometries: 6-blade disk stirrer, 3-blade segment stirrer and surface stirrer.

### INDIVIDUAL PID HANDLING

With HABITAT research, you as the admin have PID handling in your own hands, giving you more leeway when scaling growth processes. But don't worry: if you change temperature values, the software simulates the consequences of the change for the processes for your safety.

### HABITAT cell

Price on request  
Ident. No. 0010007534

### HABITAT cell cct

Price on request  
Ident. No. 0010007574



### HABITAT ferment

Price on request  
Ident. No. 0010007544

### HABITAT ferment cct

Price on request  
Ident. No. 0010007586



### HABITAT photo cell

Price on request  
Ident. No. 0010007554

### HABITAT photo cell cct

Price on request  
Ident. No. 0010007596



### HABITAT photo ferment

Price on request  
Ident. No. 0010007564

### HABITAT photo ferment cct

Price on request  
Ident. No. 0010007606



### TECHNICAL DATA

Speed range

### HABITAT CELL / CCT

### HABITAT PHOTO CELL / CCT

1 – 2200 rpm

Number of pump heads

4 (Acid, Base, Anti-Foam, Level)

Pump flow rate

1 – 270 ml/min

Gas flow rate

0.01 – 2 l/min

Number of mass flow controllers (MFC)

4 (Air, O<sub>2</sub>, N<sub>2</sub>, CO<sub>2</sub>)

Control parameter

Stirrer, gas flush, liquid feed, off-gas analysis, temperature, pH, DO, foam, level (conductivity, CO<sub>2</sub>, turbidity, light)

Interfaces

USB, PC connect, RS232, Ethernet, SU connect, circulator, ext. pump, ext. signal 4...20 mA

Dimensions (W x H x D)

224 x 624 x 405 mm

### HABITAT FERMENT / CCT

### HABITAT PHOTO FERMENT / CCT

1 – 2200 rpm

4 (Acid, Base, Anti-Foam, Level)

1 – 270 ml/min

0.01 – 20 l/min

4 (Air, O<sub>2</sub>, N<sub>2</sub>, CO<sub>2</sub>)

Stirrer, gas flush, liquid feed, off-gas analysis, temperature, pH, DO, foam, level (conductivity, CO<sub>2</sub>, turbidity, light)

USB, PC connect, RS232, Ethernet, SU connect, circulator, ext. pump, ext. signal 4...20 mA

224 x 624 x 405 mm

① HABITAT cell sw 0.5

Price on request  
Ident. No. 0010007644

② HABITAT cell dw 0.5

Price on request  
Ident. No. 0010007645



① HABITAT cell sw 1

Price on request  
Ident. No. 0010007646

② HABITAT cell dw 1

Price on request  
Ident. No. 0010007647



① HABITAT cell sw 2

Price on request  
Ident. No. 0010007648

② HABITAT cell dw 2

Price on request  
Ident. No. 0010007649



① HABITAT cell sw 5

Price on request  
Ident. No. 0010007650

② HABITAT cell dw 5

Price on request  
Ident. No. 0010007651

③ HABITAT cell dw 10

Price on request  
Ident. No. 0010007652



① HABITAT ferment dw 0.5

Price on request  
Ident. No. 0010007655

② HABITAT ferment dw 1

Price on request  
Ident. No. 0010007657



① HABITAT ferment sw 5

Price on request  
Ident. No. 0010007660

② HABITAT ferment dw 5

Price on request  
Ident. No. 0010007661

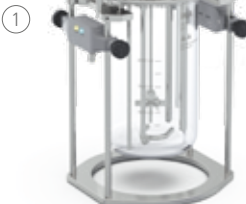


① HABITAT ferment sw 2

Price on request  
Ident. No. 0010007658

② HABITAT ferment dw 2

Price on request  
Ident. No. 0010007659



HABITAT ferment dw 10

Price on request  
Ident. No. 0010007662



TECHNICAL DATA

|                                  |
|----------------------------------|
| Vessel type                      |
| Total volume                     |
| Working volume                   |
| Speed range                      |
| Temperature control              |
| pH sensor (resolution)           |
| DO sensor (resolution)           |
| Sparger type                     |
| Stirrer type                     |
| Material in contact with product |

HABITAT CELL SW  
0.5 | 1 | 2 | 5

|                                                           |
|-----------------------------------------------------------|
| Single wall, borosilicate glass                           |
| 0.8 l   1.6 l   3 l   6.7 l                               |
| 0.25 – 0.5 l   0.3 – 1 l   0.6 – 2 l   1 – 5 l            |
| 1 – 1400 rpm   1 – 2000 rpm   1 – 2200 rpm   1 – 1500 rpm |
| Heating sleeve, RT – 60 °C                                |
| 0 – 14 pH (0.01 pH)                                       |
| 0 – 200 % (0.01 %)                                        |
| Micro sparger, 5 µm                                       |
| 3-blade segment stirrer                                   |
| AISI 316L, borosilicate glass 3.3, silicone USP class VI  |

HABITAT CELL DW  
0.5 | 1 | 2 | 5 | 10

|                                                                         |
|-------------------------------------------------------------------------|
| Double wall, borosilicate glass                                         |
| 0.8 l   1.6 l   3 l   6.7 l   12.9 l                                    |
| 0.25 – 0.5 l   0.3 – 1 l   0.6 – 2 l   1 – 5 l   2 – 10 l               |
| 1 – 1400 rpm   1 – 2000 rpm   1 – 2200 rpm   1 – 1500 rpm   1 – 800 rpm |
| Thermostat, 5 – 75 °C                                                   |
| 0 – 14 pH (0.01 pH)                                                     |
| 0 – 200 % (0.01 %)                                                      |
| Micro sparger, 5 µm                                                     |
| 3-blade segment stirrer                                                 |
| AISI 316L, borosilicate glass 3.3, silicone USP class VI                |

TECHNICAL DATA

|                                  |
|----------------------------------|
| Vessel type                      |
| Total volume                     |
| Working volume                   |
| Speed range                      |
| Temperature control              |
| pH sensor (resolution)           |
| DO sensor (resolution)           |
| Sparger type                     |
| Stirrer type                     |
| Material in contact with product |

HABITAT FERMENT SW  
2 | 5

|                                                          |
|----------------------------------------------------------|
| Single wall, borosilicate glass                          |
| 3 l   6.7 l                                              |
| 0.6 – 2 l   1 – 5 l                                      |
| 1 – 2200 rpm   1 – 1500 rpm                              |
| Heating sleeve + cooling finger + chiller, 5 – 65 °C     |
| 0 – 14 pH (0.01 pH)                                      |
| 0 – 200 % (0.01 %)                                       |
| Ring sparger, 0.5 mm                                     |
| 6-blade disc stirrer (rushton)                           |
| AISI 316L, borosilicate glass 3.3, silicone USP class VI |

HABITAT FERMENT DW  
0.5 | 1 | 2 | 5 | 10

|                                                                         |
|-------------------------------------------------------------------------|
| Double wall, borosilicate glass                                         |
| 0.8 l   1.6 l   3 l   6.7 l   12.9 l                                    |
| 0.25 – 0.5 l   0.3 – 1 l   0.6 – 2 l   1 – 5 l   2 – 10 l               |
| 1 – 1400 rpm   1 – 2000 rpm   1 – 2200 rpm   1 – 1500 rpm   1 – 800 rpm |
| Circulator, 5 – 75 °C                                                   |
| 0 – 14 pH (0.01 pH)                                                     |
| 0 – 200 % (0.01 %)                                                      |
| Ring sparger, 0.5 mm                                                    |
| 6-blade disc stirrer (rushton)                                          |
| AISI 316L, borosilicate glass 3.3, silicone USP class VI                |



HA.gv.sw.1      HA.gv.dw.5



HA.ls.2

HA.sfr.250



HA.lc.2



HA.ds.s.2

| Product      | Description                          | Ident. No. | Price      |
|--------------|--------------------------------------|------------|------------|
| VESSELS      |                                      |            |            |
| HA.gv.sw.0.5 | Glass vessel, single-wall, for 0.5 l | 0020105898 | On request |
| HA.gv.sw.1   | Glass vessel, single-wall, for 1 l   | 0020106410 |            |
| HA.gv.sw.2   | Glass vessel, single-wall, for 2 l   | 0020105973 |            |
| HA.gv.sw.5   | Glass vessel, single-wall, for 5 l   | 0020106412 |            |
| HA.gv.dw.0.5 | Glass vessel, double-wall, for 0.5 l | 0020106409 |            |
| HA.gv.dw.1   | Glass vessel, double-wall, for 1 l   | 0020106411 |            |
| HA.gv.dw.2   | Glass vessel, double-wall, for 2 l   | 0020105974 |            |
| HA.gv.dw.5   | Glass vessel, double-wall, for 5 l   | 0020106413 |            |
| HA.gv.dw.10  | Glass vessel, double-wall, for 10 l  | 0020106414 |            |

| STANDS     |                                       |            |
|------------|---------------------------------------|------------|
| HA.ls.2    | Lid stand, for 2 l                    | 0035004067 |
| HA.ls.10   | Lid stand, for 5 l and 10 l           | 0035004059 |
| HA.sfr.250 | Sample flask rack, for 250 ml bottles | 0020110862 |
| HA.vh.0.5  | Vessel holder, for 0.5 l              | 0020105897 |
| HA.vh.1    | Vessel holder, for 1 l                | 0020106404 |
| HA.vh.2    | Vessel holder, for 2 l                | 0020105972 |
| HA.vh.5    | Vessel holder, for 5 l                | 0020106406 |
| HA.vh.10   | Vessel holder, for 10 l               | 0020106408 |

On request

C

| REACTOR LIDS |                         |            |
|--------------|-------------------------|------------|
| HA.lc.0.5    | Lid complete, for 0.5 l | 0020106425 |
| HA.lc.1      | Lid complete, for 1 l   | 0020106426 |
| HA.lc.2      | Lid complete, for 2 l   | 0020106427 |
| HA.lc.5      | Lid complete, for 5 l   | 0020106428 |
| HA.lc.10     | Lid complete, for 10 l  | 0020106429 |

On request

| DRIVE SHAFTS & MOTORS |                                           |            |            |
|-----------------------|-------------------------------------------|------------|------------|
| HA.ds.s.0.5           | Drive shaft, standard coupling, for 0.5 l | 0035003856 | On request |
| HA.ds.s.1             | Drive shaft, standard coupling, for 1 l   | 0035003814 |            |
| HA.ds.s.2             | Drive shaft, standard coupling, for 2 l   | 0035003760 |            |
| HA.ds.s.5             | Drive shaft, standard coupling, for 5 l   | 0035003594 |            |
| HA.ds.s.10            | Drive shaft, standard coupling, for 10 l  | 0035003703 |            |
|                       |                                           |            |            |



HA.mt.s.2      HA.mt.s.10



HA.s.tm.10      HA.s.ph.10



HA.s.do.1      HA.s.fo



HA.s.lv.5

| Product               | Description                                            | Ident. No. | Price      |
|-----------------------|--------------------------------------------------------|------------|------------|
| DRIVE SHAFTS & MOTORS |                                                        |            |            |
| HA.mt.s.2             | Small motor, standard coupling, for 0.5 l, 1 l and 2 l | 0035003757 | On request |
| HA.mt.s.10            | Big motor, standard coupling, for 5 and 10 l           | 0035003694 |            |
| HA.ds.m.0.5           | Drive shaft with motor, magnetic coupling, for 0.5 l   | 0020117598 |            |
| HA.ds.m.1             | Drive shaft with motor, magnetic coupling, for 1 l     | 0020117685 |            |
| HA.ds.m.2             | Drive shaft with motor, magnetic coupling, for 2 l     | 0020117686 |            |
| HA.ds.m.5             | Drive shaft with motor, magnetic coupling, for 5 l     | 0020117542 |            |
| HA.ds.m.10            | Drive shaft with motor, magnetic coupling, for 10 l    | 0020117543 |            |

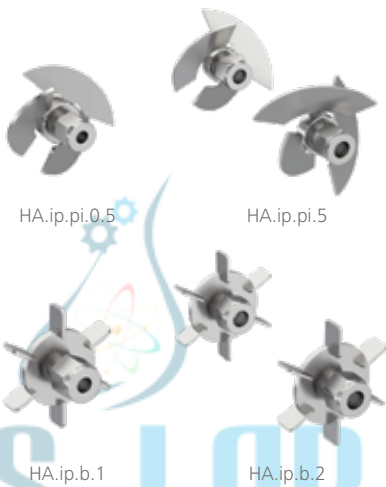
|                |                                       |            |            |
|----------------|---------------------------------------|------------|------------|
| SENSORS        |                                       |            |            |
| HA.s.tm.1      | Temperature sensor, for 0.5 l and 1 l | 0035004128 | On request |
| HA.s.tm.2      | Temperature sensor, for 2 l           | 0035004123 |            |
| HA.s.tm.5      | Temperature sensor, for 5 l           | 0035004125 |            |
| HA.s.tm.10     | Temperature sensor, for 10 l          | 0035004127 |            |
| HA.s.ph.0.5    | pH sensor, for 0.5 l                  | 0035004274 |            |
| HA.s.ph.1      | pH sensor, for 1 l                    | 0035004275 |            |
| HA.s.ph.2      | pH sensor, for 2 l                    | 0035004276 |            |
| HA.s.ph.5      | pH sensor, for 5 l                    | 0035003648 |            |
| HA.s.ph.10     | pH sensor, for 10 l                   | 0035004277 |            |
| HA.s.do.0.5    | DO sensor, for 0.5 l                  | 0035004278 |            |
| HA.s.do.1      | DO sensor, for 1 l                    | 0035004279 | On request |
| HA.s.do.2      | DO sensor, for 2 l                    | 0035004280 |            |
| HA.s.do.5      | DO sensor, for 5 l                    | 0035004281 |            |
| HA.s.do.10     | DO sensor, for 10 l                   | 0035004282 |            |
| HA.s.fo        | Foam sensor                           | 0035004028 |            |
| HA.s.lv.1      | Level sensor, for 0.5 l and 1 l       | 0035004160 |            |
| HA.s.lv.2      | Level sensor, for 2 l                 | 0020107107 |            |
| HA.s.lv.5      | Level sensor, for 5 l                 | 0020103648 |            |
| HA.s.lv.10     | Level sensor, for 10 l                | 0020107108 |            |
| HA.s.tb.cpl.1  | Turbidity sensor, complete, for 1 l   | 0020115415 |            |
| HA.s.tb.cpl.2  | Turbidity sensor, complete, for 2 l   | 0020115416 | On request |
| HA.s.tb.cpl.5  | Turbidity sensor, complete, for 5 l   | 0020115417 |            |
| HA.s.tb.cpl.10 | Turbidity sensor, complete, for 10 l  | 0020115418 |            |



| Product           | Description                                        | Ident. No. | Price      |
|-------------------|----------------------------------------------------|------------|------------|
| SENSORS           |                                                    |            |            |
| HA.s.co.cpl.1     | CO <sub>2</sub> sensor, complete, for 1 l          | 0020115419 | On request |
| HA.s.co.cpl.2     | CO <sub>2</sub> sensor, complete, for 2 l          | 0020115420 |            |
| HA.s.co.cpl.10    | CO <sub>2</sub> sensor, complete, for 5 l and 10 l | 0020115421 |            |
| HA.s.cd.cpl.1     | Conductivity sensor, complete, for 1 l             | 0020115422 |            |
| HA.s.cd.cpl.2     | Conductivity sensor, complete, for 2 l             | 0020115423 |            |
| HA.s.cd.cpl.5     | Conductivity sensor, complete, for 5 l             | 0020115424 |            |
| HA.s.cd.cpl.10    | Conductivity sensor, complete, for 10 l            | 0020115425 |            |
| STIRRING ELEMENTS |                                                    |            |            |
| HA.ip.pi.0.5      | 3-pitched blade impeller, for 0.5 l                | 0035003949 | On request |
| HA.ip.pi.1        | 3-pitched blade impeller, for 1 l                  | 0035003946 |            |
| HA.ip.pi.2        | 3-pitched blade impeller, for 2 l                  | 0035003941 |            |
| HA.ip.pi.5        | 3-pitched blade impeller, for 5 l                  | 0035003938 |            |
| HA.ip.pi.10       | 3-pitched blade impeller, for 10 l                 | 0035003944 |            |
| HA.ip.b.0.5       | 6-blade segment impeller, for 0.5 l                | 0035003863 |            |
| HA.ip.b.1         | 6-blade segment impeller, for 1 l                  | 0035003821 |            |
| HA.ip.b.2         | 6-blade segment impeller, for 2 l                  | 0035003766 |            |
| HA.ip.b.5         | 6-blade segment impeller, for 5 l                  | 0035003633 |            |
| HA.ip.b.10        | 6-blade segment impeller, for 10 l                 | 0035003720 |            |

|             |                                 |            |            |
|-------------|---------------------------------|------------|------------|
| SPARGER     |                                 |            |            |
| HA.sp.m.0.5 | Micro Sparger, 5 µm, für 0.5 l  | 0020102905 | On request |
| HA.sp.m.1   | Micro Sparger, 5 µm, für 1 l    | 0035003918 |            |
| HA.sp.m.2   | Micro Sparger, 5 µm, für 2 l    | 0020102879 |            |
| HA.sp.m.5   | Micro Sparger, 5 µm, für 5 l    | 0020102839 |            |
| HA.sp.m.10  | Micro Sparger, 5 µm, für 10 l   | 0020103001 |            |
| HA.sp.r.0.5 | Ring Sparger, 0.5 mm, für 0.5 l | 0035003860 |            |
| HA.sp.r.1   | Ring Sparger, 0.5 mm, für 1 l   | 0035003818 |            |
| HA.sp.r.2   | Ring Sparger, 0.5 mm, für 2 l   | 0035003763 |            |
| HA.sp.r.5   | Ring Sparger, 0.5 mm, für 5 l   | 0035003639 |            |
| HA.sp.r.10  | Ring Sparger, 0.5 mm, für 10 l  | 0035003718 |            |

|                     |                            |            |            |
|---------------------|----------------------------|------------|------------|
| TEMPERATURE CONTROL |                            |            |            |
| HA.hbl.0.5          | Heating blanket, for 0.5 l | 0035004032 | On request |
| HA.hbl.1            | Heating blanket, for 1 l   | 0035004031 |            |
| HA.hbl.2            | Heating blanket, for 2 l   | 0035004029 |            |
| HA.hbl.5            | Heating blanket, for 5 l   | 0035004030 |            |
| HA.cf.2             | Cooling finger, for 2 l    | 0020112117 |            |
| HA.cf.5             | Cooling finger, for 5 l    | 0020112120 |            |



| Product           | Description                       | Ident. No. | Price      |
|-------------------|-----------------------------------|------------|------------|
| SAMPLE COLLECTION |                                   |            |            |
| HA.hp.s.0.5       | Harvest pipe, straight, for 0.5 l | 0035003898 | On request |
| HA.hp.s.1         | Harvest pipe, straight, for 1 l   | 0035003901 |            |
| HA.hp.s.2         | Harvest pipe, straight, for 2 l   | 0035003903 |            |
| HA.hp.s.5         | Harvest pipe, straight, for 5 l   | 0035003905 |            |
| HA.hp.s.10        | Harvest pipe, straight, for 10 l  | 0035003907 |            |

| FOAM BREAKER |                                          |            |
|--------------|------------------------------------------|------------|
| HA.fb.s.0.5  | Foam breaker 4-blade, straight for 0.5 l | 0020110951 |
| HA.fb.s.1    | Foam breaker 4-blade, straight for 1 l   | 0020114008 |
| HA.fb.s.2    | Foam breaker 4-blade, straight for 2 l   | 0020110995 |
| HA.fb.s.5    | Foam breaker 4-blade, straight for 5 l   | 0020111000 |
| HA.fb.s.10   | Foam breaker 4-blade, straight for 10 l  | 0020114011 |

|             |                              |            |            |
|-------------|------------------------------|------------|------------|
| HA.fi.40.5  | Spin filter, 40 µm, for 5 l  | 0020111065 | On request |
| HA.fi.40.10 | Spin filter, 40 µm, for 10 l | 0020114085 |            |

| Product           | Description                                        | Ident. No. | Price      |
|-------------------|----------------------------------------------------|------------|------------|
| OTHER ACCESSORIES |                                                    |            |            |
| Tablet 10.x inch  | Tablet, software included                          | 0020106577 |            |
| LED Panel         | for photobioreactor, set consisting of 2 pcs.      | 0025004168 |            |
| HA.cn             | Condenser                                          | 0020106610 |            |
| HA.cab.sw         | Cable and hose set for single-walled glass vessels | 0020107110 |            |
| HA.cab.dw         | Cable and hose set for double-walled glass vessels | 0020107111 |            |
| HA.sf.250         | Sample flask 250 ml                                | 0020107065 | On request |
| HA.sf.500         | Sample flask 500 ml                                | 0020110852 |            |
| HA.sf.1000        | Sample flask 1000 ml                               | 0020110853 |            |
| HA.ap             | Air pump, 230V                                     | 0020106152 |            |
| HA.ep             | External peristaltic pump                          | 0020101836 |            |
| HA.fd             | Feeding port                                       | 0020107770 |            |
| HA.ino            | Port for inoculation                               | 0035004598 |            |
| HA.sam            | Syringe set, sterile                               | 0035004014 |            |
| PC 1.3            | Cable, L 1.5 m                                     | 0025005322 |            |



Tablet 10.x inch



LED Panel



HA.ep



HA.sf.500



HA.fd



HA.cn

HABITAT PROCESS 50L  
/// Stirred Single-Use Bioreactor

With HABITAT process 50L you ensure the transition from laboratory to production scale.

The stirred single-use bioreactor HABITAT process 50L is used for cultivation of animal cells and thus enables the production of monoclonal antibodies, recombinant proteins, vaccines and viral vectors as cell culture products for our customers.

Interested? Contact us!  
[process@ika.com](mailto:process@ika.com)

Scale-up



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 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 did not have much in common.

## ELECTRASYN 2.0 PACKAGE

/// Your chemistry has potential

Update your ElectraSyn 2.0 firmware on a regular basis to benefit from the latest features



reddot award 2018  
winner



ElectraSyn 2.0 essentially combines three products in one and will facilitate the mass adoption of electrochemistry for preparative organic synthesis: a potentiostat, an analytical device and a magnetic stirrer. It is a compact, user friendly and cost effective platform for organic chemists to explore electrochemistry.

The ElectraSyn 2.0 Ready-To-Go package includes all that is required to for your first experiment: Potentiostat, including a single 10 ml vial, vial holder, stir plate attachment, and a set of electrodes (graphite).

### ElectraSyn 2.0 Package

\$ 2,650.00

Ident. No. 0020008980

Ready-To-Go  
package



- › ElectraSyn 2.0 base unit
- + vial holder
- + single vial, 10 ml, complete
- + 2 electrodes (graphite)
- + stir plate attachment
- + stir bar

### ElectraSyn 2.0 pro Package

\$ 3,116.00

Ident. No. 0040003261



- › ElectraSyn 2.0 base unit
- + vial holder
- + single vial, 10 ml, complete
- + 2 electrodes (graphite)
- + stir plate attachment
- + stir bar
- + set of CV electrodes:
- + CV glassy carbon
- + CV platinum
- + Silver reference electrode

#### TECHNICAL DATA

|                                               | ELECTRASYN 2.0<br>PACKAGE   PRO PACKAGE |
|-----------------------------------------------|-----------------------------------------|
| Stirring speed range                          | 50 – 1500 rpm                           |
| Maximum voltage output                        | 30 V   20 V   10 V                      |
| Maximum current output                        | 100 mA                                  |
| Display                                       | TFT                                     |
| Permissible ambient temperature               | 5 – 50 °C                               |
| Dimensions (W × H × D)                        | 130 × 150 × 250 mm                      |
| Protection class according to<br>DIN EN 60529 | IP 40                                   |

#### ELECTRASYN 2.0 APP



Monitor reactions as well as CV graphs, transmit experiments, receive software update notifications, access the online IKA store for ordering supplies, and receive latest video tutorial updates. ElectraSyn 2.0 is a device that improves over time through regular software updates available through a simple app. You can also use the app to configure your ElectraSyn 2.0 by shopping available devices and accessories.





Carousel complete



GOGO Module



e-Hive



Fritte Sample Set

| Product           | Description                                          | Ident. No. | Price       |
|-------------------|------------------------------------------------------|------------|-------------|
| ATTACHMENTS       |                                                      |            |             |
| Carousel          | Attachment for multi measurements                    | 0020017512 | \$ 2,220.00 |
| Carousel complete | Attachment for multi measurements, incl. glass vials | 0040005427 | \$ 3,086.00 |
| e-Hive            | Screening platform with a maximum of 24 reactions    | 0040004945 | \$ 2,850.00 |
| GOGO Module       | Universal extension for ElectraSyn 2.0               | 0040006052 | \$ 611.00   |
| Pro-Seal          | Vial cap for gas exchange                            | 0040007151 | \$ 446.00   |
| Pro-Divide        | Reaction cell for divided electrochemistry           | 0040006482 | \$ 681.00   |
| Calibration cap   | Calibration cap for ElectraSyn 2.0                   | 0040007388 | \$ 213.00   |

|                        |                                         |            |          |
|------------------------|-----------------------------------------|------------|----------|
| ACCESSORIES PRO-DIVIDE |                                         |            |          |
| Fritte Set, 1 µm       | Glass frit, 2 pcs.                      | 0020102632 | \$ 84.00 |
| Fritte Set, 5 µm       | Glass frit, 2 pcs.                      | 0020102633 | \$ 44.00 |
| Fritte Set, 10 µm      | Glass frit, 2 pcs.                      | 0020102634 | \$ 39.00 |
| Fritte Sample Set      | Kit of 1/5/10 µm glass frit, 1 pc. each | 0020101403 | \$ 82.00 |

|                           |                                   |            |           |
|---------------------------|-----------------------------------|------------|-----------|
| ELECTRODES FOR E-HIVE     |                                   |            |           |
| Copper electrode inner    | Anode copper (24 pcs.)            | 0040007427 | \$ 357.00 |
| Graphite electrode inner  | Anode graphite (24 pcs.)          | 0040007430 | \$ 143.00 |
| Stainless electrode inner | Anode stainless steel (24 pcs.)   | 0040007429 | \$ 284.00 |
| Copper electrode outer    | Cathode copper (24 pcs.)          | 0040007436 | \$ 623.00 |
| Graphite electrode outer  | Cathode graphite (24 pcs.)        | 0040007438 | \$ 494.00 |
| Stainless electrode outer | Cathode stainless steel (24 pcs.) | 0040007443 | \$ 175.00 |



Fritte Set



Glass vial 5 ml

Glass vial complete 10 ml



ElectraSyn 2.0 Complete Starter Kit



Microvial 1 ml

Microvial 2 ml

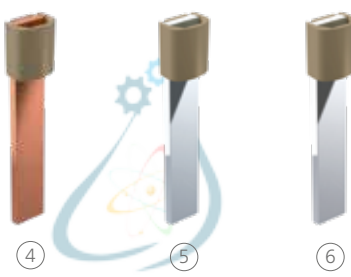
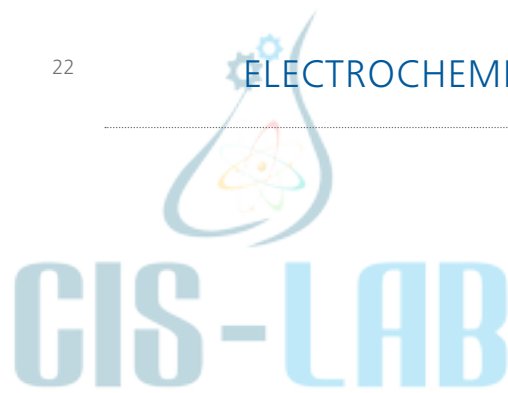


ElectraSyn 2.0 Micro Starter Kit complete

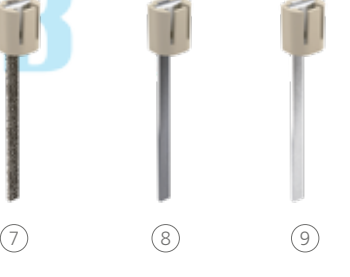
| Product                              | Description                                                         | Ident. No. | Price       |
|--------------------------------------|---------------------------------------------------------------------|------------|-------------|
| VIALS / ELECTRODES                   |                                                                     |            |             |
| Glass vial complete 5 ml             | Glass vial 5 ml incl. lid, glass and magnetic bar                   | 0040003171 | \$ 126.00   |
| Glass vial complete 10 ml            | Glass vial 10 ml incl. lid, glass and magnetic bar                  | 0040003170 | \$ 118.00   |
| Glass vial complete 20 ml            | Glass vial 20 ml incl. lid, glass and magnetic bar                  | 0040003168 | \$ 120.00   |
| Glass vials 5 ml                     | Glass vial 5 ml, set of 10                                          | 0040003327 | \$ 288.00   |
| Glass vials 10 ml                    | Glass vial 10 ml, set of 10                                         | 0040003325 | \$ 195.00   |
| Glass vials 20 ml                    | Glass vial 20 ml, set of 10                                         | 0040003324 | \$ 211.00   |
| ElectraSyn 2.0 Electrode Starter Kit | Kit of glassy carbon, set of 2 + 8 other electrodes, each set of 12 | 0020017204 | \$ 1,476.00 |

|                                     |                                                                                                                                       |            |             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|
| ElectraSyn 2.0 Complete Vial Kit    | Kit of 5 ml, 10 ml and 20 ml vials complete, 10 spare vials of each volume                                                            | 0010003810 | \$ 1,037.00 |
| ElectraSyn 2.0 vials only           | Kit of 10 × 5 ml, 10 × 10 ml, 10 × 20 ml vials                                                                                        | 0010003811 | \$ 686.00   |
| ElectraSyn 2.0 Complete Starter Kit | Kit of 5 ml, 10 ml, 20 ml vials complete; 10 spare vials of each volume; glassy carbon, set of 2 + 8 other electrodes, each set of 12 | 0040004013 | \$ 2,513.00 |
| Electrode CV Package                | Kit of electrodes (CV glassy carbon, CV platinum, reference electrode)                                                                | 0040002864 | \$ 467.00   |

|                                            |                                                                                                                                  |            |             |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|-------------|
| MICROVIALS / MICROELECTRODES               |                                                                                                                                  |            |             |
| Microvial 1 ml                             | Glass vial 1 ml incl. lid, glass and magnetic bar                                                                                | 0040003294 | \$ 160.00   |
| Microvial 2 ml                             | Glass vial 2 ml incl. lid, glass and magnetic bar                                                                                | 0040003295 | \$ 160.00   |
| Micro glass vials 1 ml                     | Glass vial 1 ml, set of 10                                                                                                       | 0020017207 | \$ 407.00   |
| Micro glass vials 2 ml                     | Glass vial 2 ml, set of 10                                                                                                       | 0020017206 | \$ 403.00   |
| ElectraSyn 2.0 Micro electrode Starter Kit | Kit of glassy carbon, set of 2 + 7 other electrodes, each set of 12                                                              | 0040004016 | \$ 2,189.00 |
| ElectraSyn 2.0 microvials only             | Kit 10 × 1 ml, 10 × 2 ml vials                                                                                                   | 0040004103 | \$ 813.00   |
| ElectraSyn 2.0 Microvial Kit complete      | Kit of 1 ml and 2 ml vials complete, 10 spare vials of each volume                                                               | 0040004014 | \$ 1,124.00 |
| ElectraSyn 2.0 Micro Starter Kit complete  | Kit of 1 ml and 2 ml vials complete; 10 spare vials of each volume; glassy carbon, set of 2 + 7 other electrodes, each set of 12 | 0040004015 | \$ 3,154.00 |



| Product                                 | Ident. No. | Price     |
|-----------------------------------------|------------|-----------|
| ELEKTRODEN                              |            |           |
| ① Electrode graphite (12 pcs.)          | 0040002858 | \$ 169.00 |
| ② Electrode glassy carbon (2 pcs.)      | 0040002842 | \$ 125.00 |
| Electrode lead bronze (2 pcs.)          | 0020016076 | \$ 126.00 |
| Electrode lead (12 pcs.)                | 0040002843 | \$ 315.00 |
| Electrode tungsten (2 pcs.)             | 0040002845 | \$ 319.00 |
| ③ Electrode niobium (2 pcs.)            | 0040002846 | \$ 118.00 |
| ④ Electrode copper (12 pcs.)            | 0040002847 | \$ 88.00  |
| Electrode magnesium (12 pcs.)           | 0040002848 | \$ 308.00 |
| Electrode titanium (12 pcs.)            | 0040002849 | \$ 284.00 |
| Electrode zinc (12 pcs.)                | 0040002850 | \$ 284.00 |
| Electrode stainless steel (12 pcs.)     | 0040002851 | \$ 78.00  |
| ⑤ Electrode platinum plated (2 pcs.)    | 0040002852 | \$ 113.00 |
| Electrode platinum foil (2 pcs.)        | 0040005015 | \$ 550.00 |
| Electrode platinum on ceramics (2 pcs.) | 0040006753 | \$ 298.00 |
| Electrode gold plated (2 pcs.)          | 0040002853 | \$ 286.00 |
| ⑥ Electrode silver plated (2 pcs.)      | 0040002854 | \$ 92.00  |
| Electrode aluminium (12 pcs.)           | 0040003174 | \$ 168.00 |
| Electrode boron doped diamond (2 pcs.)  | 0040002856 | \$ 495.00 |
| Electrode tin (12 pcs.)                 | 0040002857 | \$ 297.00 |
| ⑦ Electrode nickel (12 pcs.)            | 0040002859 | \$ 193.00 |
| ⑧ Electrode RVC foam (12 pcs.)          | 0040002860 | \$ 281.00 |
| Electrode nickel foam (12 pcs.)         | 0040002861 | \$ 70.00  |
| Electrode cobalt (2 pcs.)               | 0040003385 | \$ 78.00  |
| ⑨ Electrode reference (1 pc.)           | 0040002865 | \$ 204.00 |
| Electrode CV glassy carbon (1 pc.)      | 0040002863 | \$ 104.00 |



| Product                                     | Ident. No. | Price     |
|---------------------------------------------|------------|-----------|
| MICROELECTRODES                             |            |           |
| ① Microelectrode aluminium (12 pcs.)        | 0040004029 | \$ 86.00  |
| Microelectrode boron-doped diamond (2 pcs.) | 0040004036 | \$ 698.00 |
| ② Microelectrode cobalt (2 pcs.)            | 0040004039 | \$ 122.00 |
| ③ Microelectrode copper (12 pcs.)           | 0040004027 | \$ 201.00 |
| ④ Microelectrode glassy carbon (2 pcs.)     | 0040004022 | \$ 154.00 |
| ⑤ Microelectrode gold (2 pcs.)              | 0040004034 | \$ 201.00 |
| Microelectrode graphite SK-50 (12 pcs.)     | 0040004021 | \$ 203.00 |
| Microelectrode lead (12 pcs.)               | 0040004028 | \$ 825.00 |
| ⑥ Microelectrode lead bronze (12 pcs.)      | 0040004030 | \$ 214.00 |
| Microelectrode magnesium (12 pcs.)          | 0040004025 | \$ 484.00 |
| Microelectrode nickel (12 pcs.)             | 0040004023 | \$ 633.00 |
| ⑦ Microelectrode nickel foam (12 pcs.)      | 0040004101 | \$ 90.00  |
| ⑧ Microelectrode niobium (2 pcs.)           | 0040004032 | \$ 202.00 |
| Microelectrode platinum (2 pcs.)            | 0040004038 | \$ 186.00 |
| Microelectrode silver (2 pcs.)              | 0040004035 | \$ 70.00  |
| Microelectrode stainless steel (12 pcs.)    | 0040004024 | \$ 150.00 |
| ⑨ Microelectrode tin (12 pcs.)              | 0040004037 | \$ 554.00 |
| Microelectrode titanium (12 pcs.)           | 0040004033 | \$ 484.00 |
| Microelectrode tungsten (2 pcs.)            | 0040004031 | \$ 95.00  |
| Microelectrode zinc (12 pcs.)               | 0040004026 | \$ 484.00 |
| Microelectrode graphite V2100 (2 pcs.)      | 0040004040 | \$ 125.00 |

Screening System Package  
(8 cells)

\$ 19,990.00  
Ident. No. 0040003864



Screening System Package  
(6 cells)

\$ 19,990.00  
Ident. No. 0020017582



TECHNICAL DATA

CONTINUOUSLY ADJUSTABLE POWER SUPPLY

|                |                                 |
|----------------|---------------------------------|
| Voltage output | 0 – 32 V (± 1 mV)               |
| Supply voltage | 115 or 230 V<br>(50 Hz / 60 Hz) |

MAGNETIC STIRRER

|             |              |
|-------------|--------------|
| Speed range | 0 – 1500 rpm |
|-------------|--------------|

REACTION CELLS

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Number of cells                              | 6 (divided cell) or<br>8 (undivided cell) |
| Cell volume of undivided cell                | 10.7 ml                                   |
| Cell volume of divided cell<br>(per chamber) | 12.7 ml                                   |
| Material                                     | PTFE                                      |
| Temperature control                          | Yes (RT to 100 °C)                        |

SCREENING SYSTEM  
PACKAGE (6 | 8 CELLS)

IKA Screening System

The IKA Screening System is perfectly suited for constant current electrosynthesis in “multibatch” mode. The combination of both divided and undivided batch cells enables you to quickly carry out research on multiple electroconversions at the same time. In addition, you can combine the system with other equipment in the laboratory.

Scope of delivery

- › Reaction block
- › Electrolysis cells
- › Power supply
- › IKA Plate (RCT digital) including PT 1000 temperature sensor
- › Cable set
- › Screw drive
- › Electrode graphite (16 pcs.)

| Product                                   | Ident. No. | Price       |
|-------------------------------------------|------------|-------------|
| REACTION BLOCKS AND CELLS                 |            |             |
| Reaction block with 6 divided cells       | 0020015936 | \$ 3,633.00 |
| Reaction block with 8 undivided cells     | 0020015943 | \$ 1,992.00 |
| Set of reaction cells (6 divided cells)   | 0040003647 | \$ 3,103.00 |
| Set of reaction cells (8 undivided cells) | 0040003648 | \$ 1,535.00 |

ELECTRODES

|                                                   |            |             |
|---------------------------------------------------|------------|-------------|
| Electrode 0.7 boron doped diamond (8 pcs.)        | 0040003932 | \$ 6,906.00 |
| Electrode 0.7 glassy carbon (16 pcs.)             | 0040003670 | \$ 1,712.00 |
| Electrode 0.7 graphite SK-50 (16 pcs.)            | 0040003954 | \$ 296.00   |
| Electrode 0.7 platinum (8 pcs.)                   | 0040003678 | \$ 1,050.00 |
| Electrode 0.7 platinum on ceramics (2 pcs.)       | 0020023860 | \$ 671.00   |
| Electrode 0.7 gold (8 pcs.)                       | 0040003934 | \$ 665.00   |
| Electrode 0.7 silver (8 pcs.)                     | 0040003938 | \$ 390.00   |
| Electrode 0.7 nickel foam (16 pcs.)               | 0040003935 | \$ 142.00   |
| Electrode 0.7 graphite V2100 (16 pcs.)            | 0040003669 | \$ 1,179.00 |
| Electrode 0.7 nickel (16 pcs.)                    | 0040003671 | \$ 801.00   |
| Electrode 0.7 stainless steel (8 pcs.)            | 0040003672 | \$ 444.00   |
| Electrode 0.7 lead (16 pcs.)                      | 0040003673 | \$ 874.00   |
| Electrode 0.7 lead bronze (8 pcs.)                | 0040003674 | \$ 574.00   |
| Electrode 0.7 copper (8 pcs.)                     | 0040003675 | \$ 377.00   |
| Electrode 0.7 magnesium (16 pcs.)                 | 0040003677 | \$ 801.00   |
| Electrode 0.7 zinc (16 pcs.)                      | 0040003680 | \$ 756.00   |
| Electrode 0.7 aluminium (16 pcs.)                 | 0040003682 | \$ 944.00   |
| Electrode 0.7 cobalt (8 pcs.)                     | 0040003933 | \$ 546.00   |
| Electrode 0.7 niobium (8 pcs.)                    | 0040003936 | \$ 497.00   |
| Electrode 0.7 tin (8 pcs.)                        | 0040003939 | \$ 429.00   |
| Electrode 0.7 titanium (8 pcs.)                   | 0040003940 | \$ 398.00   |
| Electrode 0.7 tungsten (8 pcs.)                   | 0040003941 | \$ 574.00   |
| Electrode 0.7 RVC (16 pcs.)                       | 0040003937 | \$ 694.00   |
| Electrode 0.7 Sampler Kit incl. 7 × 2 electrodes* | 0040004509 | \$ 2,556.00 |
| Electrode 0.7 Starter Kit incl. 9 × 1 electrode** | 0040003646 | \$ 7,847.00 |
| Electrode 0.7 power supply                        | 0040003604 | On request  |
| SC 1.1 Cable (1 – 4)                              | 0040003663 | \$ 228.00   |
| SC 1.2 Cable (5 – 8)                              | 0020018590 | \$ 228.00   |
| SC 2.1 Crocodile clip for cable set               | 0040003630 | \$ 42.00    |
| labworldsoft® 6 Screening System                  | 0020023690 | \$ 1,983    |

\*BDD, cobalt, gold, silver, niobium, tungsten, titanium

\*\*graphite V2100, glassy carbon, magnesium, tin, nickel foam, nickel, lead, lead bronze, copper

Reaction block with 6 divided cells

Reaction block with 8 undivided cells

Divided cell

Undivided cell



Continuous flow synthesis is rapidly becoming an essential part of any workflow within the chemical and pharmaceutical industries due to the many advantages over batch chemistry that it provides. Chemists trust in the increased reproducibility of reactions, higher process reliability, rapid modification and testing of chemical processes and conditions, and last but not least, increased product quality and yield. IKA FLOW system is integrated with the most common lab equipment for the transition to continuous flow synthesis. Compared to other expensive and commercially available flow chemistry systems which have to include flow capacity supporting equipment, the flexibility of IKA FLOW lowers its cost.

### IKA FLOW SYSTEM

/// Flow chemistry your way

#### HIGHLY FLEXIBLE

IKA FLOW System is highly flexible due to its variety of accessories and consumables.

#### EASILY INTEGRATED

Further proof of IKA FLOW System's flexibility is its compatibility with any fume hood gas to put pressure on the reaction process.

#### LIGHT-WEIGHT AND COMPACT DESIGN

IKA FLOW System has one of the smallest footprints compared to other flow reactors on the market and is easy to move in a laboratory to where it is needed.

#### CONSISTENT, PREDICTABLE AND SAFE

With the IKA FLOW System, there are no separate pumps required. The system can be integrated with the gas outlet from the fume hood. The continuous gas moves fluid through the system, hardly causing any risk of pressure drop or fluctuation in the system during reaction.

#### CONSTANTLY DEVELOPING

IKA FLOW System is just the start of your journey into the incorporation of continuous flow synthesis in your laboratory. Our R&D team is currently working on new modular solutions.



#### IKA FLOW System

\$ 4,405.00

Ident. No. 0020100742



- › IKA FLOW System
- + Glass bottle
- + Capillary set
- + Heating block
- + CDR.PP standard (2x)
- + Tubing set

#### TECHNICAL DATA

Max. solvent volume

Connection type

Max. input pressure

Input pressure

Max. working pressure

Max. working temperature

Working pressure

Material

Dimensions (W x H x D)

Weight

#### IKA FLOW SYSTEM

500 ml

Push-to-connect //  
Screw fittings

1 mPa

Pressure of the gas from  
fume hood

137 kPa

100 °C

Pressure of the gas in  
solvent bottle

304 stainless steel //  
Nylon (PA)

250 x 375 x 140 mm

2,7 kg

| Name | Description | Ident. No. | Price |
|------|-------------|------------|-------|
|------|-------------|------------|-------|

#### ACCESSORIES IKA FLOW

##### REACTOR SETS

|                   |                                                               |            |           |
|-------------------|---------------------------------------------------------------|------------|-----------|
| CDR.PP narrow     | Disc reactor set, polypropylene, narrow, 2 pcs.               | 0020102705 | \$ 77.00  |
| CDR.PP standard   | Disc reactor set, polypropylene, standard, 2 pcs.             | 0020102637 | \$ 77.00  |
| CDR.PVDF narrow   | Disc reactor set, polyvinylidene difluoride, narrow, 2 pcs.   | 0020102706 | \$ 166.00 |
| CDR.PVDF standard | Disc reactor set, polyvinylidene difluoride, standard, 2 pcs. | 0020102638 | \$ 166.00 |

##### MIXING CHIPS

|         |                                            |            |           |
|---------|--------------------------------------------|------------|-----------|
| MX.PP   | Mixing chip set, polypropylene             | 0020103092 | \$ 47.00  |
| MX.PVDF | Mixing chip set, polyvinylidene difluoride | 0020103093 | \$ 103.00 |

##### OTHER ACCESSORIES

|               |                                            |            |           |
|---------------|--------------------------------------------|------------|-----------|
| Heating Block | Heating block for up to four disc reactors | 0020103369 | \$ 174.00 |
| Capillary Set | Capillary set, 4 pcs.                      | 0020103091 | \$ 190.00 |



CDR.PP narrow



CDR.PVDF standard



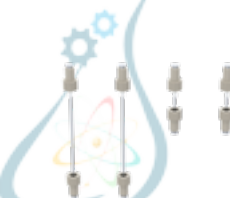
MX.PP



MX.PVDF



Heating Block



Capillary Set

Almost everything about this mixing expert is new. TWISTER can be transformed from a single-position to a multi-position magnetic stirrer. With one attachment, it stirs even the smallest volumes reliably. With another, it becomes a vortex shaker with numerous attachments.

TWISTER

/// From magnetic stirrer to shaker and back



reddot winner 2022

THE TRANSFORMER

First, the small, elegant plate on your lab bench is a magnetic stirrer that packs a punch. Because it easily manages 3000 revolutions and can reliably stir even the smallest volumes. And then a single attachment turns it into a shaker. At only low additional cost and without taking up any extra space. And because TWISTER is so clever, it even becomes a multi-position magnetic stirrer in no time at all: You can connect up to 30 units together in any desired clusters. That's up to 270 stirring positions for the smallest volumes.

NEW OPERATING CONCEPT AND INNOVATIVE DISPLAY

TWISTER enables a new type of interaction between user and laboratory device: all information is intuitively displayed via the 360° LED circle display without any alpha-numerical display. Mixing can be started via the touch display or, thanks to beaker recognition, by placing or touching the beaker or attachment.

TWISTER SET 1

\$ 679.00  
Ident. No. 0020027010



TWISTER SET 2

\$ 1,276.00  
Ident. No. 0020027388



TWISTER SET 3

\$ 1,871.00  
Ident. No. 0020027389



TWISTER SET 4

\$ 2,498.00  
Ident. No. 0020027390



| TECHNICAL DATA                                                         | TWISTER SET 1     | TWISTER SET 2     | TWISTER SET 3     | TWISTER SET 4     |
|------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Number of stirring positions                                           | 1                 | 2                 | 3                 | 4                 |
| Stirring quantity min. / max. per stirring position (H <sub>2</sub> O) | 0.005 l / 5 l     | 0.005 l / 5 l     | 0.005 l / 5 l     | 0.005 l / 5 l     |
| Direction of rotation                                                  | right / left      | right / left      | right / left      | right / left      |
| Speed range                                                            | 100 – 3000 rpm    | 100 – 3000 rpm    | 100 – 3000 rpm    | 100 – 3000 rpm    |
| Intermittent mode                                                      | Yes               | Yes               | Yes               | Yes               |
| Viscosity trend measurement                                            | Yes               | Yes               | Yes               | Yes               |
| Vessel detection                                                       | Yes               | Yes               | Yes               | Yes               |
| Set-up plate material                                                  | glass             | glass             | glass             | glass             |
| Set-up plate dimensions                                                | 124 × 124 mm      | 124 × 124 mm      | 124 × 124 mm      | 124 × 124 mm      |
| Dimensions (W × H × D)                                                 | 135 × 24 × 135 mm | 135 × 24 × 135 mm | 135 × 24 × 135 mm | 135 × 24 × 135 mm |
| Protection class according to DIN EN 60529                             | IP 66             | IP 66             | IP 66             | IP 66             |





TW.IX

TW.IX.28



TW.VX

STICKMAX II



MS 3.1

MS 1.21



MS 1.31

MS 1.32



MS 3.5



TW.PWR.2

MS 1.32

| Product             | Description                            | Ident. No. | Price     |
|---------------------|----------------------------------------|------------|-----------|
| TWISTER ACCESSORIES |                                        |            |           |
| TWISTER Add-on unit | Magnetic stirrer, without power supply | 0020112621 | \$ 616.00 |
| TW.IX               | Stirring attachment, 9 positions       | 0020103426 | \$ 448.00 |
| TW.VX               | Shaking attachment                     | 0020110145 | \$ 358.00 |
| TW.IX.28            | Vessel holder for jars (28 mm)         | 0020112966 | \$ 88.00  |
| TW.IX.23            | Vessel holder for jars (23 mm)         | 0020112965 | \$ 88.00  |
| STICKMAX II         | Universelle Haftmatte für TWISTER      | 0020112736 | \$ 66.00  |
| TW.IX.ANTISLIP      | Anti-slip mat for TW.IX                | 0020111461 | \$ 19.00  |

|                                         |                                |            |          |
|-----------------------------------------|--------------------------------|------------|----------|
| UNIVERSAL ATTACHMENTS AND BASIC HOLDERS |                                |            |          |
| MS 3.3                                  | Universal attachment           | 0003426600 | \$ 77.00 |
| TUBE INSERTS                            |                                |            |          |
| MS 3.1                                  | Standard attachment            | 0003426300 | \$ 77.00 |
| MS 1.21                                 | One-hand insert                | L001540    | \$ 39.00 |
| MS 1.30                                 | Attachment for 0.5 ml tubes    | 0025005776 | \$ 66.00 |
| MS 1.31                                 | Test tube insert, 14 x Ø 10 mm | L001840    | \$ 72.00 |
| MS 1.32                                 | Test tube insert, 6 x Ø12 mm   | L001850    | \$ 50.00 |
| MS 1.33                                 | Test tube insert, 4 x Ø16 mm   | L001860    | \$ 48.00 |
| MS 1.34                                 | Test tube insert               | L001830    | \$ 41.00 |

|                                      |                               |            |           |
|--------------------------------------|-------------------------------|------------|-----------|
| MICROTITER PLATE AND PCR ATTACHMENTS |                               |            |           |
| MS 3.4                               | Microtiter plate attachment   | 0003426400 | \$ 102.00 |
| MS 3.5                               | PCR plate attachment, 96-well | 0003428000 | \$ 282.00 |

|                                   |                                                               |            |          |
|-----------------------------------|---------------------------------------------------------------|------------|----------|
| STIRRING BARS, PTFE COATED, POWER |                                                               |            |          |
| IKAFLON 10 power ellipse          | Magnetic stirring bar, ellipse, rare earth, 6 x 10 mm, 5 pc.  | 0020110607 | \$ 32.00 |
| IKAFLON 15 power ellipse          | Magnetic stirring bar, ellipse, rare earth, 10 x 15 mm, 5 pc. | 0020110747 | \$ 43.00 |
| IKAFLON 25 power ellipse          | Magnetic stirring bar, ellipse, rare earth, 14 x 25 mm, 5 pc. | 0020110748 | \$ 60.00 |

|                              |                          |            |           |
|------------------------------|--------------------------|------------|-----------|
| POWER SUPPLY AND DATA CABLES |                          |            |           |
| TW.PWR.1                     | Power supply ≤ 4 devices | 0025005565 | \$ 105.00 |
| TW.PWR.2                     | Power supply ≤ 4 units   | 0020116437 | \$ 279.00 |
| TW.CABLE                     | Connection cable 0.5 m   | 0020025856 | \$ 45.00  |



WATCH THE VIDEO  
[www.ika.com/videos/TWISTER](http://www.ika.com/videos/TWISTER)





We believe that even a laboratory classic can always be made better: The magnetic stirrer was invented more than seven decades ago, but never before have the world's best-selling stirrers been as powerful, energy-efficient, safe and durable as IKA's modern magnetic stirrers. We have developed devices for mixing tasks in a wide range of volumes and viscosities, with and without heating function and even for multiple syntheses in up to 36 vessels simultaneously.

RCT basic  
/// Bestseller reloaded

Here comes the new one: RCT basic is a classic among magnetic stirrers and is launched on the market in an updated version tested by TÜV SÜD. It is even safer and more robust than its predecessor and is equipped with numerous new features



EVEN MORE SAFETY

In accordance with the DIN EN 61010-2-010 standard, RCT basic meets all safety requirements for laboratory equipment for heating substances. The unit monitors all safety-relevant components and is therefore suitable for unattended operation. User safety is guaranteed even if individual components fail. As a consequence, RCT basic not only carries the CE certification, but has also been tested and certified by TÜV SÜD.

NEW FEATURES

The new RCT basic offers a USB and RS232 interface and can be integrated into labworld-soft® 6 laboratory software, for example, for digital networking, monitoring and control.

In addition, RCT basic has an improved fast temperature control. Compared to the previous model, the operating temperature range has been extended: a connected external sensor can display temperatures down to -20 °C. Operation at these low temperatures is possible without restriction, as is use under typical ambient conditions in the chemical industry

PROVEN FEATURES REMAIN

Of course, the new RCT basic also has a long service life, a powerful motor and a strong magnetic connection. And by meeting all safety standards, it is of course also suitable for unattended operation.

/// MAGNETIC STIRRERS WITH GLASS SURFACE

RCT basic

\$ 1,189.00  
Ident. No. 0025006052

More RCT Solutions  
on page 159/160



IKA Plate (RCT digital)

\$ 1,269.00  
Ident. No. 0025005389



RCT 5 digital

\$ 1,525.00  
Ident. No. 0020002705

850 W  
Power



C-MAG HS 7 control

\$ 1,220.00  
Ident. No. 0020002695



| TECHNICAL DATA                             | RCT BASIC                         | IKA PLATE (RCT DIGITAL)           | RCT 5 DIGITAL                     | C-MAG HS 7 CONTROL                |
|--------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 20 l                              | 20 l                              | 20 l                              | 20 l                              |
| Direction of rotation                      | right                             | right / left                      | right / left                      | right / left                      |
| Speed range                                | 50 – 1500 rpm                     | 50 – 1500 rpm                     | 50 – 1500 rpm                     | 50 – 1500 rpm                     |
| Heat output                                | 600 W                             | 600 W                             | 850 W                             | 1000 W                            |
| Heating temperature                        | RT + device self heating – 340 °C | RT + device self heating – 310 °C | RT + device self heating – 310 °C | RT + device self heating – 500 °C |
| Set-up plate material                      | Aluminium alloy                   | Aluminium alloy                   | Aluminum with ceramic coating     | Ceramic                           |
| Set-up plate dimensions                    | Ø 135 mm                          | Ø 135 mm                          | 137 x 137 mm                      | 180 x 180 mm                      |
| Dimensions (W x H x D)                     | 160 x 85 x 270 mm                 | 160 x 85 x 270 mm                 | 160 x 85 x 270 mm                 | 220 x 88 x 354 mm                 |
| Protection class according to DIN EN 60529 | IP 42                             | IP 42                             | IP 42                             | IP 21                             |
| Interfaces                                 | USB, RS 232                       | USB, RS 232                       | USB, RS 232                       | USB, RS 232                       |

① **C-MAG HS 4 digital**  
\$ 841.00  
Ident. No. 0004240201

② **C-MAG HS 7 digital**  
\$ 901.00  
Ident. No. 0003487001

③ **C-MAG HS 10 digital**  
\$ 1,319.00  
Ident. No. 0004240401



① **RH basic**  
\$ 646.00  
Ident. No. 0005019701

② **RH basic white**  
\$ 673.00  
Ident. No. 0005029701

③ **RH basic 2**  
\$ 793.00  
Ident. No. 0003339001



① **C-MAG HS 4**  
\$ 826.00  
Ident. No. 0003581001

② **C-MAG HS 7**  
\$ 858.00  
Ident. No. 0003581201

③ **C-MAG HS 10**  
\$ 1,052.00  
Ident. No. 0003581401



① **RH digital**  
\$ 725.00  
Ident. No. 0005019801

② **RH digital white**  
\$ 751.00  
Ident. No. 0004678001

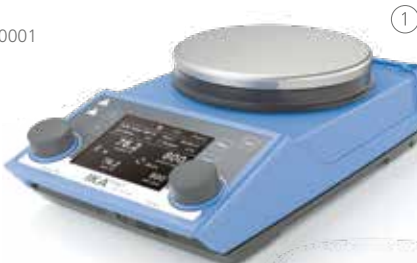


**RET basic**  
\$ 1,494.00  
Ident. No. 0003622001



① **RET control-visc**  
\$ 1,556.00  
Ident. No. 0005020001

② **RET control-visc white**  
\$ 1,574.00  
Ident. No. 0005030001



Weighing function  
& pH measurement

| TECHNICAL DATA                                | C-MAG HS<br>4   7   10 DIGITAL                                 | C-MAG HS 4   7   10                                            | RH BASIC   BASIC WHITE  <br>RH BASIC 2           | RH DIGITAL   DIGITAL<br>WHITE                      |
|-----------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)     | 5 l   10 l   15 l                                              | 5 l   10 l   15 l                                              | 15 l   10 l                                      | 15 l                                               |
| Speed range                                   | 100 – 1500 rpm                                                 | 100 – 1500 rpm                                                 | 100 – 2000 rpm                                   | 100 – 2000 rpm                                     |
| Heat output                                   | 250 W   1000 W  <br>1500 W                                     | 250 W   1000 W  <br>1500 W                                     | 600 W   400 W                                    | 600 W                                              |
| Heating temperature                           | 50 – 500 °C                                                    | 50 – 500 °C                                                    | 50 – 320 °C<br>Room temp. °C – 320 °C            | 50 – 320 °C                                        |
| Set-up plate material                         | Ceramic                                                        | Ceramic                                                        | Stainless steel 1.4301<br>RH basic white: coated | Stainless steel 1.4301<br>RH digital white: coated |
| External Temperature control                  | PT 1000                                                        | –   ETS-D5   ETS-D5                                            | ETS-D5   ETS-D5   –                              | ETS-D5                                             |
| Dimensions (W × H × D)                        | 150 × 105 × 260 mm<br>215 × 105 × 330 mm<br>300 × 105 × 415 mm | 150 × 105 × 260 mm<br>220 × 105 × 335 mm<br>300 × 105 × 415 mm | 160 × 100 × 250 mm<br>168 × 105 × 220 mm         | 160 × 100 × 250 mm                                 |
| Protection class according to<br>DIN EN 60529 | IP 21                                                          | IP 21                                                          | IP 21                                            | IP 21                                              |

| TECHNICAL DATA                                | RET BASIC                            | RET CONTROL-VISC<br>  WHITE          |
|-----------------------------------------------|--------------------------------------|--------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)     | 20 l                                 | 20 l                                 |
| Speed range                                   | 50 – 1700 rpm                        | 50 – 1700 rpm                        |
| Heat output                                   | 600 W                                | 600 W                                |
| Heating temperature                           | RT + device self heating<br>– 340 °C | RT + device self heating<br>– 340 °C |
| Set-up plate material                         | Stainless steel 1.4301               | Stainless steel 1.4301<br>I Coated   |
| Connection for ext. temperature sensor        | PT 1000                              | PT 1000                              |
| Dimensions (W × H × D)                        | 160 × 95 × 270 mm                    | 160 × 85 × 270 mm                    |
| Protection class according to<br>DIN EN 60529 | IP 42                                | IP 42                                |





MAGNETIC STIRRERS

/// MULTI-POSITION MAGNETIC STIRRER

1

RO 5

\$ 2,261.00

Ident. No. 0003690500

2

RO 10

\$ 2,786.00

Ident. No. 0003691000

3

RO 15

\$ 3,311.00

Ident. No. 0003692500

Adjustable reverse operation



1

RT 5

\$ 3,149.00

Ident. No. 0003690601

2

RT 10

\$ 3,710.00

Ident. No. 0003691101

3

RT 15

\$ 4,455.00

Ident. No. 0003692601

10-position hotplate stirrer, for synchronous heating and stirring



/// INDUSTRIAL MAGNETIC STIRRER

1

Midi MR 1 digital

\$ 4,010.00

Ident. No. 0025002970

2

Maxi MR 1 digital

\$ 5,788.00

Ident. No. 0025002981

1



I-MAG  
Industrial magnetic stirrer  
\$ 5,874.00  
Ident. No. 0020109200



| TECHNICAL DATA                             | RO 5   RO 10   RO 15                                        | RT 5   RT 10   RT 15                                        | MIDI MR 1 DIGITAL   MAXI MR 1 DIGITAL    | I-MAG                  |
|--------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------|------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 0.4 l per stirring position                                 | 0.4 l per stirring position                                 | 50 l   150 l                             | 300 l                  |
| Speed range                                | 0 – 1200 rpm                                                | 0 – 1000 rpm                                                | 0 – 1000 rpm<br>0 – 600 rpm              | 100 – 1500 rpm         |
| Heating temperature range                  | –                                                           | RT – 120 °C                                                 | –                                        | –                      |
| Set-up plate material                      | Stainless steel 1.4301                                      | Aluminium alloy                                             | Stainless steel 1.4301                   | Stainless steel 1.4301 |
| Set-up plate dimensions                    | 120 × 470 mm<br>190 × 470 mm<br>280 × 470 mm                | 110 × 495 mm<br>180 × 495 mm<br>270 × 495 mm                | 350 × 350 mm<br>500 × 500 mm             | 260 × 260 mm           |
| Dimensions (W × H × D)                     | 120 × 60 × 570 mm<br>190 × 60 × 570 mm<br>280 × 60 × 570 mm | 120 × 60 × 610 mm<br>190 × 60 × 610 mm<br>280 × 60 × 610 mm | 360 × 110 × 430 mm<br>505 × 110 × 585 mm | 260 × 70 × 300 mm      |
| Protection class according to DIN EN 60529 | IP 40                                                       | IP 40                                                       | IP 21                                    | IP 64 / IP 22          |

MAGNETIC STIRRERS | Without Heating

1

topolino

\$ 126.00

Ident. No. 0003368000

2

topolino mobil

\$ 357.00

Ident. No. 0003381300

3

Mini MR standard

\$ 557.00

Ident. No. 0025004132



KMO 3 basic

\$ 935.00

Ident. No. 0020004631



IKA myPlate

\$ 518.00

Ident. No. 0025005156



1

lab disc white

\$ 484.00

Ident. No. 0003907500

2

color squid white

\$ 511.00

Ident. No. 0003671000

3

big squid white

\$ 604.00

Ident. No. 0003672000



1

C-MAG MS 4

\$ 705.00

Ident. No. 0003582201

2

C-MAG MS 7

\$ 733.00

Ident. No. 0003582401

3

C-MAG MS 10

\$ 979.00

Ident. No. 0003582601



| TECHNICAL DATA                             | TOPOLINO   MINI MR STANDARD             | KMO 3 BASIC   IKA MYPLATE                  | LAB DISC          | C-MAG MS 4   7   10                                            |
|--------------------------------------------|-----------------------------------------|--------------------------------------------|-------------------|----------------------------------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 0.25 l   1 l                            | 5 l   1.5 l                                | 0.8 l             | 5 l   10 l   15 l                                              |
| Speed range                                | 500 – 1800 rpm  <br>0 – 2500 rpm        | 10 – 1500 rpm  <br>100 – 2500 rpm          | 15 – 1500 rpm     | 100 – 1500 rpm                                                 |
| Set-up plate material                      | Synthetic (PP)   Polyester              | Glass                                      | Polyester         | Ceramic                                                        |
| Set-up plate dimensions                    | Ø 80 mm  <br>115 × 115 mm               | 140 × 120 mm  <br>Ø 135 mm                 | Ø 100 mm          | 100 × 100 mm<br>180 × 180 mm<br>260 × 260 mm                   |
| Dimensions (W × H × D)                     | 95 × 37 × 115 mm  <br>115 × 37 × 129 mm | 153 × 62,5 × 227 mm  <br>152 × 30 × 164 mm | 116 × 12 × 175 mm | 150 × 105 × 260 mm<br>220 × 105 × 335 mm<br>300 × 105 × 415 mm |
| Protection class according to DIN EN 60529 | IP 21   IP 42                           | IP 42   IP 54                              | IP 65             | IP 21                                                          |



| Product              | Ident. No. | Price     |
|----------------------|------------|-----------|
| TEMPERATURE SENSORS  |            |           |
| Stainless steel      |            |           |
| PT 1000.60           | 0003516800 | \$ 287.00 |
| PT 1000.80           | 0004443000 | \$ 272.00 |
| PT 100.70            | 0020000440 | \$ 92.00  |
| Glass-coated         |            |           |
| PT 1000.70           | 0003736000 | \$ 386.00 |
| PT 100.51            | 0002600300 | \$ 361.00 |
| SafeCoat (PFA, PTFE) |            |           |
| PT 1000.90           | 0004480600 | \$ 311.00 |
| PT 100.53            | 0004499700 | \$ 565.00 |
| Dual                 |            |           |
| PT 1000.50           | 0003367600 | \$ 593.00 |
| PT 1000.51           | 0003377700 | \$ 603.00 |

|                                 |            |           |
|---------------------------------|------------|-----------|
| ELECTRONIC CONTACT THERMOMETERS |            |           |
| ETS-D5                          | 0003378000 | \$ 327.00 |
| ETS-D6                          | 0003378100 | \$ 800.00 |

|                             |            |           |
|-----------------------------|------------|-----------|
| SENSORS FOR ETS-D5 / ETS-D6 |            |           |
| H 62.51                     | 0002735451 | \$ 284.00 |
| H 66.51, glass coated       | 0002735551 | \$ 352.00 |
| H 66.53, coated             | 0004499900 | \$ 478.00 |
| H 70, extension cable       | 0002735600 | \$ 184.00 |

| RET control-visc | RET basic | IKA Plate (RCT digital) | RCT basic | C-MAG HS 7 control | C-MAG HS digital 4   7   10 | C-MAG HS 7   10 | RH digital   basic |
|------------------|-----------|-------------------------|-----------|--------------------|-----------------------------|-----------------|--------------------|
| –                | •         | •                       | •         | •                  | •                           | –               | –                  |
| –                | +         | +                       | +         | +                  | +                           | –               | –                  |
| •                | –         | –                       | –         | –                  | –                           | –               | –                  |
| –                | +         | +                       | +         | +                  | +                           | –               | –                  |
| +                | –         | –                       | –         | –                  | –                           | –               | –                  |
| –                | +         | +                       | +         | +                  | +                           | –               | –                  |
| +                | –         | –                       | –         | –                  | –                           | –               | –                  |
| +                | –         | –                       | –         | –                  | –                           | –               | –                  |

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| – | + | + | + | + | – | + | + |
| – | + | + | + | + | – | + | + |

+ Compatible | – Not compatible | • Included in delivery







Square carrier with handle:  
H 135.11



H 135.104



Flask carrier with handle:  
H 135.21



Flask carrier without  
handle: H 135.25



Inlay: H 135.301



Inlay: H 135.401



Inlay: H 135.501

| Product                                | Hole Ø  | Dimensions   | Ident. No  | Price     |
|----------------------------------------|---------|--------------|------------|-----------|
| DRY HEATING BLOCK SQUARE SERIES        |         |              |            |           |
| H 135.10 Square carrier without handle | –       | 160 × 160 mm | 0025000832 | \$ 206.00 |
| H 135.11 Square carrier with handle    | –       | 160 × 160 mm | 0004448200 | \$ 352.00 |
| H 135.101 Block 16 × 4 ml              | 15,2 mm | 79 × 79 mm   | 0025000626 | \$ 100.00 |
| H 135.102 Block 16 × 8 ml              | 17,5 mm | 79 × 79 mm   | 0025000627 | \$ 105.00 |
| H 135.103 Block 9 × 16 ml              | 20,5 mm | 79 × 79 mm   | 0025000628 | \$ 106.00 |
| H 135.104 Block 4 × 20 ml              | 28,5 mm | 79 × 79 mm   | 0025000629 | \$ 96.00  |
| H 135.105 Block 4 × 30 ml              | 28,5 mm | 79 × 79 mm   | 0025000630 | \$ 105.00 |
| H 135.106 Block 4 × 40 ml              | 28,5 mm | 79 × 79 mm   | 0025000631 | \$ 120.00 |
| H 135.107 Block 100 ml                 | –       | 79 × 79 mm   | 0025000632 | \$ 97.00  |
| H 135.108 Block 250 ml                 | –       | 79 × 79 mm   | 0025000633 | \$ 112.00 |

| Product                                      | Max. outer Ø | Inner Ø | Ident. No  | Price     |
|----------------------------------------------|--------------|---------|------------|-----------|
| 100 ML FLASK HEATING BLOCK SERIES            |              |         |            |           |
| H 135.20 Flask carrier 100 ml without handle | 142 mm       | –       | 0025000634 | \$ 192.00 |
| H 135.21 Flask carrier 100 ml with handle    | 142 mm       | –       | 0004448300 | \$ 206.00 |
| H 135.201 Kolbeneinlage 10 ml                | –            | 33,8 mm | 0025000636 | \$ 85.00  |
| H 135.202 Kolbeneinlage 25 ml                | –            | 43,8 mm | 0025000637 | \$ 85.00  |
| H 135.203 Kolbeneinlage 50 ml                | –            | 52,8 mm | 0025000638 | \$ 85.00  |

|                                              |        |   |            |           |
|----------------------------------------------|--------|---|------------|-----------|
| 250 ML FLASK HEATING BLOCK SERIES            |        |   |            |           |
| H 135.25 Flask carrier 250 ml without handle | 142 mm | – | 0025003280 | \$ 245.00 |
| H 135.26 Flask carrier 250 ml with handle    | 142 mm | – | 0020007954 | \$ 349.00 |

|                                              |        |         |            |           |
|----------------------------------------------|--------|---------|------------|-----------|
| 500 ML FLASK HEATING BLOCK SERIES            |        |         |            |           |
| H 135.30 Flask carrier 500 ml without handle | 142 mm | –       | 0025000639 | \$ 206.00 |
| H 135.31 Flask carrier 500 ml with handle    | 142 mm | –       | 0004448400 | \$ 232.00 |
| H 135.301 Flask inlay 100 ml                 | –      | 66,3 mm | 0025000641 | \$ 124.00 |
| H 135.302 Flask inlay 250 ml                 | –      | 88 mm   | 0025000642 | \$ 124.00 |

|                                               |          |        |            |           |
|-----------------------------------------------|----------|--------|------------|-----------|
| 1000 ML FLASK HEATING BLOCK SERIES            |          |        |            |           |
| H 135.40 Flask carrier 1000 ml without handle | 166,3 mm | –      | 0025000833 | \$ 297.00 |
| H 135.41 Flask carrier 1000 ml with handle    | 166,3 mm | –      | 0004448500 | \$ 335.00 |
| H 135.401 Flask inlay 500 ml                  | –        | 108 mm | 0025000644 | \$ 212.00 |

|                                               |          |          |            |           |
|-----------------------------------------------|----------|----------|------------|-----------|
| 2000 ML FLASK HEATING BLOCK SERIES            |          |          |            |           |
| H 135.50 Flask carrier 2000 ml without handle | 194,7 mm | –        | 0025000834 | \$ 359.00 |
| H 135.51 Flask carrier 2000 ml with handle    | 194,7 mm | –        | 0004448600 | \$ 412.00 |
| H 135.501 Flask inlay 1000 ml                 | –        | 131,8 mm | 0025000645 | \$ 312.00 |

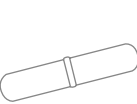
| Product                    | Dimensions  | Ident. No  | Price     |
|----------------------------|-------------|------------|-----------|
| IKAFLON® ROUND PTFE-COATED |             |            |           |
| 10 round (5 pcs.)          | 10 × 6 mm   | 0004488600 | \$ 26.00  |
| 15 round (5 pcs.)          | 15 × 6 mm   | 0004488700 | \$ 26.00  |
| 20 round (5 pcs.)          | 20 × 8 mm   | 0004488800 | \$ 26.00  |
| 25 round (5 pcs.)          | 25 × 8 mm   | 0004488900 | \$ 36.00  |
| 30 round (5 pcs.)          | 30 × 8 mm   | 0004489000 | \$ 32.00  |
| 40 round (5 pcs.)          | 40 × 8 mm   | 0004489100 | \$ 38.00  |
| 50 round (5 pcs.)          | 50 × 8 mm   | 0004489200 | \$ 41.00  |
| 80 round (5 pcs.)          | 80 × 10 mm  | 0004489300 | \$ 96.00  |
| 110 round (1 pc.)          | 108 × 27 mm | 0000793300 | \$ 121.00 |
| 155 round (1 pc.)          | 153 × 27 mm | 0001129000 | \$ 126.00 |

|                             |           |            |          |
|-----------------------------|-----------|------------|----------|
| IKAFLON® ROUND GLASS-COATED |           |            |          |
| 25 round (5 pcs.)           | 25 × 6 mm | 0004492200 | \$ 76.00 |
| 40 round (5 pcs.)           | 40 × 8 mm | 0004492600 | \$ 82.00 |
| 50 round (5 pcs.)           | 50 × 8 mm | 0004492800 | \$ 53.00 |

|                      |           |            |          |
|----------------------|-----------|------------|----------|
| IKAFLON® SLIDE ROUND |           |            |          |
| 25 slide (5 pcs.)    | 25 × 6 mm | 0004493800 | \$ 32.00 |
| 30 slide (5 pcs.)    | 30 × 6 mm | 0004494000 | \$ 32.00 |
| 40 slide (5 pcs.)    | 40 × 8 mm | 0004494200 | \$ 46.00 |
| 50 slide (5 pcs.)    | 50 × 8 mm | 0004494400 | \$ 58.00 |

|                   |           |            |           |
|-------------------|-----------|------------|-----------|
| IKAFLON® POWER    |           |            |           |
| 20 power (5 pcs.) | 20 × 6 mm | 0004493000 | \$ 64.00  |
| 30 power (5 pcs.) | 30 × 6 mm | 0004493200 | \$ 86.00  |
| 50 power (5 pcs.) | 50 × 8 mm | 0004493400 | \$ 107.00 |

|                              |            |            |           |
|------------------------------|------------|------------|-----------|
| IKAFLON® ELLIPSE PTFE-COATED |            |            |           |
| 20 ellipse (5 pcs.)          | 20 × 10 mm | 0004494600 | \$ 41.00  |
| 25 ellipse (5 pcs.)          | 25 × 12 mm | 0004494800 | \$ 46.00  |
| 30 ellipse (5 pcs.)          | 32 × 16 mm | 0004495000 | \$ 58.00  |
| 35 ellipse (5 pcs.)          | 35 × 15 mm | 0004495200 | \$ 83.00  |
| 40 ellipse (5 pcs.)          | 40 × 20 mm | 0004495400 | \$ 93.00  |
| 50 ellipse (5 pcs.)          | 50 × 20 mm | 0004495600 | \$ 130.00 |
| 70 ellipse (5 pcs.)          | 70 × 20 mm | 0004496000 | \$ 224.00 |



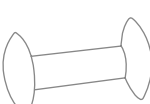
IKAFLON® round  
PTFE-coated



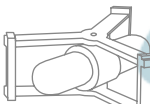
IKAFLON® ellipse  
PTFE-coated



IKAFLON® cross  
PTFE-coated



IKAFLON® bone  
PTFE-coated



IKAFLON® beaker  
PTFE-coated



TRIKA® PTFE-coated

| Product                    | Dimensions | Ident. No  | Price    |
|----------------------------|------------|------------|----------|
| IKAFLON® CROSS PTFE-COATED |            |            |          |
| 10 cross (5 pcs.)          | 10 × 10 mm | 0004496200 | \$ 39.00 |
| 20 cross (5 pcs.)          | 20 × 20 mm | 0004496400 | \$ 51.00 |
| 25 cross (5 pcs.)          | 25 × 25 mm | 0004496600 | \$ 50.00 |
| 30 cross (5 pcs.)          | 30 × 30 mm | 0004496800 | \$ 72.00 |
| 38 cross (5 pcs.)          | 38 × 38 mm | 0004497000 | \$ 81.00 |

|                           |                |            |           |
|---------------------------|----------------|------------|-----------|
| IKAFLON® BONE PTFE-COATED |                |            |           |
| 37 bone (5 pcs.)          | 35 × 8 × 20 mm | 0004497200 | \$ 113.00 |
| 54 bone (5 pcs.)          | 55 × 8 × 20 mm | 0004497400 | \$ 140.00 |

|                             |                                       |            |           |
|-----------------------------|---------------------------------------|------------|-----------|
| IKAFLON® BEAKER PTFE-COATED |                                       |            |           |
| 74 (1 pc.)                  | (Ø × H):<br>74 × 29 mm<br>with 60 × 9 | 0004497800 | \$ 652.00 |

|                            |          |            |          |
|----------------------------|----------|------------|----------|
| IKAFLON® CROWN PTFE-COATED |          |            |          |
| 9 crown (5 pcs.)           | 9 × 6 mm | 0004498400 | \$ 34.00 |

|                    |            |            |           |
|--------------------|------------|------------|-----------|
| TRIKA® PTFE-COATED |            |            |           |
| 25 Trika (5 pcs.)  | 25 × 8 mm  | 0004499300 | \$ 32.00  |
| 35 Trika (5 pcs.)  | 35 × 9 mm  | 0004499400 | \$ 44.00  |
| 55 Trika (5 pcs.)  | 55 × 14 mm | 0004499500 | \$ 77.00  |
| 80 Trika (5 pcs.)  | 80 × 17 mm | 0004499600 | \$ 106.00 |

|                               |  |            |           |
|-------------------------------|--|------------|-----------|
| SET OF MAGNETIC STIRRING BARS |  |            |           |
| RS 1                          |  | 0001358600 | \$ 438.00 |
| RS 2                          |  | 0004499100 | \$ 460.00 |

|                      |                         |            |          |
|----------------------|-------------------------|------------|----------|
| STIRRING BAR REMOVER |                         |            |          |
| RSE                  | Stirring bar<br>remover | 0001293100 | \$162.00 |

WiCo RET control-visc

Cover RET control-visc

IB R RO 15 eco

LABLIFT m

IKA Plate Adapter

| Product                                 | Description                                             | Ident. No. | Price       |
|-----------------------------------------|---------------------------------------------------------|------------|-------------|
| WIRELESS-CONTROLLED OPERATING UNIT      |                                                         |            |             |
| WiCo RET control-visc                   | Wireless remote control                                 | 0020007259 | \$ 888.00   |
| COVERS                                  |                                                         |            |             |
| H 102                                   | Cover for RH basic                                      | 0004281600 | \$ 71.00    |
| H 103                                   | Cover for RH digital                                    | 0004299100 | \$ 71.00    |
| H 100                                   | Cover for RET basic                                     | 0003661000 | \$ 72.00    |
| H 104                                   | Cover for RET control-visc                              | 0004209500 | \$ 67.00    |
| H 105                                   | Cover for RCT basic and digital                         | 0025008136 | \$ 70.00    |
| MAINS CABLES                            |                                                         |            |             |
| H 11                                    | Mains cable Euro plug                                   | 0001091500 | \$ 58.00    |
| H 11                                    | Mains cable USA plug                                    | 0003564500 | \$ 58.00    |
| H 11                                    | Mains cable UK plug                                     | 0002410700 | \$ 58.00    |
| H 11                                    | Mains cable CH plug                                     | 0001091600 | \$ 58.00    |
| H 11                                    | Mains cable IN plug                                     | 0003923600 | \$ 58.00    |
| PLASTIC BATH FOR MAGNETIC STIRRER RO 15 |                                                         |            |             |
| IB R RO 15 eco                          | Plastic bath, size L, 25 l volume                       | 0020006341 | \$ 2,605.00 |
| LABLIFT                                 |                                                         |            |             |
| LABLIFT m                               | Up to 25 kg (max. static load)                          | 0004022400 | \$ 322.00   |
| IKA PLATE ADAPTER                       |                                                         |            |             |
| IKA Plate Adapter                       | Heating block adapter for RCT 5 digital, C-MAG 7 and 10 | 0025001022 | \$ 355.00   |
| BEAKER CAP                              |                                                         |            |             |
| BC 1000                                 | Beaker cap                                              | 0020003417 | \$ 38.00    |

LABORATORY SOFTWARE  
**labworldsoft® 6 Starter**  
\$ 6,903.00  
Ident. No. 0020019397

**labworldsoft® 6 Pro**  
\$ 16,224.00  
Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.



H 3000



HG 600



H 16.3

H 44

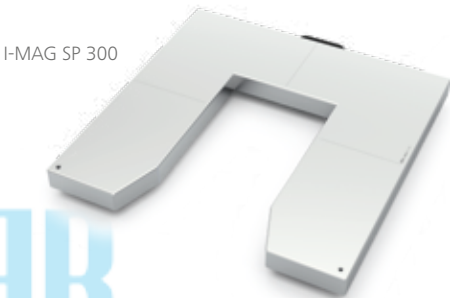


IKAFLON 90 slide

IKAFLON 118 float



RSE XL



I-MAG SP 300

| Product                  | Description                                                                     | Ident. No. | Price       |
|--------------------------|---------------------------------------------------------------------------------|------------|-------------|
| OIL BATH ATTACHMENTS     |                                                                                 |            |             |
| H 29                     | Oil bath attachment, 1 l                                                        | 0002829400 | \$ 484.00   |
| H 30                     | Oil bath attachment, 1.5 l                                                      | 0002829500 | \$ 518.00   |
| BEAKERS, STAINLESS STEEL |                                                                                 |            |             |
| H 1000                   | Beaker, stainless steel, 1 l                                                    | 0004444401 | \$ 731.00   |
| H 1500                   | Beaker, stainless steel, 1.5 l                                                  | 0004444501 | \$ 580.00   |
| H 3000                   | Beaker, stainless steel, 3 l                                                    | 0004444503 | \$ 709.00   |
| H 5000                   | Beaker, stainless steel, 5 l                                                    | 0004444505 | \$ 876.00   |
| HEATING JACKETS          |                                                                                 |            |             |
| HG 600                   | Heating jacket for beaker 600 ml                                                | 0020003416 | \$ 290.00   |
| HG 1000                  | Heating jacket for beaker 1000 ml                                               | 0020003415 | \$ 362.00   |
| HOLDERS                  |                                                                                 |            |             |
| H 16 V                   | Support rod                                                                     | 0001545100 | \$ 66.00    |
| H 16.3                   | Extension for support rod                                                       | 0025000622 | \$ 62.00    |
| H 44                     | Boss head clamp                                                                 | 0002437700 | \$ 50.00    |
| H 38                     | Holding rod                                                                     | 0003547700 | \$ 41.00    |
| ACCESSORIES FOR I-MAG    |                                                                                 |            |             |
| IKAFLON 90 slide         | Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 90 x 30 mm, 1 pc.  | 0020102963 | \$ 205.00   |
| IKAFLON 140 slide        | Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 140 x 30 mm, 1 pc. | 0020110382 | \$ 641.00   |
| IKAFLON 118 float        | Magnetic stirring drive, PPS round, Ø 118 mm, 1 pc.                             | 0020100638 | \$ 958.00   |
| RSE XL                   | Stirring bar remover for I-MAG                                                  | 0020100641 | \$ 805.00   |
| I-MAG SP 150             | Platform extension for I-MAG, for barrels up to 150 liters                      | 0020102994 | \$ 823.00   |
| I-MAG SP 300             | Platform extension for I-MAG, for barrels up to 300 liters                      | 0020102996 | \$ 1,310.00 |
| I-MAG cart               | Transport trolley and platform for I-MAG, for barrels up to 300 liters          | 0025008091 | \$ 2,855.00 |
| I-MAG BR                 | Bracket for stand rod I-MAG                                                     | 0020110383 | \$ 67.00    |
| I-MAG UHC                | Universal holder for I-MAG controller                                           | 0020110381 | \$ 641.00   |
| I-MAG EXT 3              | Extension cable for I-MAG, 3 m                                                  | 0020115558 | \$ 331.00   |
| H 28 V                   | Stand rod, length 2 m, Ø 28 mm                                                  | 0020119439 | On request  |



IKA overhead stirrers are strong, sturdy and safe because we understand the most important aspects during development. From low to high viscosities, and with up to 200 liters of stirring volume, all mixing and stirring tasks constitute no challenge for our stirrers. This is a good foundation for differentiated functionalities, which include: a safety circuit, a clear display, convenient control using labworldsoft® laboratory software and a wide range of stirring tools. Whether it is propeller stirrers, anchor stirrers or spiral stirrers – you will find the right tool for all applications in our range.

Shaft protection included

NANOSTAR 7.5 DIGITAL  
/// Perfect basic functionality in the most compact of spaces



With 30% less volume and weighing just 0.8 kg, the NANOSTAR 7.5 digital overhead stirrer is even more space-saving than the MICROSTAR 7.5 digital – yet with the same performance rating.

**CONSTANT TORQUE**  
NANOSTAR 7.5 digital guarantees an absolutely constant torque over the entire speed range of 50 – 2000 rpm.

**EASE OF OPERATION**  
Operation takes place using a stable rotary knob. The display clearly shows the rotational speed.

**RAPID UPDATES**  
Regular software updates can be undertaken rapidly and simply via the USB interface.

Original size

/// COMPACT OVERHEAD STIRRERS FOR LIGHT STIRRING TASKS

NANOSTAR 7.5 digital  
\$ 1,364.00  
Ident. No. 0025004356



MICROSTAR 7.5 digital  
\$ 1,381.00  
Ident. No. 0025004715



MICROSTAR 7.5 control  
\$ 1,893.00  
Ident. No. 0025005282



Speed range:  
50 – 2000 rpm

MICROSTAR 15 digital  
\$ 1,486.00  
Ident. No. 0025004883



MICROSTAR 15 control  
\$ 2,051.00  
Ident. No. 0025005285



MICROSTAR 30 digital  
\$ 1,554.00  
Ident. No. 0025004884



MICROSTAR 30 control  
\$ 2,189.00  
Ident. No. 0025005286



Temperature sensor included

| TECHNICAL DATA                             | NANOSTAR 7.5 DIGITAL | MICROSTAR 7.5 DIGITAL   CONTROL        | MICROSTAR 15 DIGITAL   CONTROL         | MICROSTAR 30 DIGITAL   CONTROL         |
|--------------------------------------------|----------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 5 l                  | 5 l                                    | 10 l                                   | 20 l                                   |
| Speed range                                | 0 / 50 – 2000 rpm    | 0 / 50 – 2000 rpm<br>0 / 30 – 2000 rpm | 0 / 50 – 1000 rpm<br>0 / 30 – 1000 rpm | 0 / 50 – 500 rpm<br>0 / 30 – 500 rpm   |
| Viscosity max.                             | 4000 mPas            | 4000 mPas                              | 8000 mPas                              | 20 000 mPas                            |
| Torque max. at stirring shaft              | 7.5 Ncm              | 7.5 Ncm                                | 15 Ncm                                 | 30 Ncm                                 |
| Temperature measuring range                | –                    | –   -10 – 350 °C                       | –   -10 – 350 °C                       | –   -10 – 350 °C                       |
| Torque measurement                         | –                    | –   Trend                              | –   Trend                              | –   Trend                              |
| Chuck range diameter                       | 0.5 – 8.2 mm         | 0.5 – 8.2 mm                           | 0.5 – 8.2 mm                           | 0.5 – 8.2 mm                           |
| Display                                    | LED                  | LED   LCD                              | LED   LCD                              | LED   LCD                              |
| Dimensions (W x H x D)                     | 53 x 147 x 130 mm    | 60 x 173 x 126 mm<br>60 x 173 x 136 mm | 60 x 173 x 126 mm<br>60 x 173 x 136 mm | 60 x 173 x 126 mm<br>60 x 173 x 136 mm |
| Protection class according to DIN EN 60529 | IP 54                | IP 54                                  | IP 54                                  | IP 54                                  |

/// COMPACT OVERHEAD STIRRERS FOR LIGHT STIRRING TASKS

MINISTAR 20 digital

\$ 1,486.00

Ident. No. 0025006561



MINISTAR 20 control

\$ 2,346.00

Ident. No. 0025005074



MINISTAR 40 digital

\$ 1,658.00

Ident. No. 0025006569



MINISTAR 40 control

\$ 2,503.00

Ident. No. 0025005078



MINISTAR 80 digital

\$ 1,830.00

Ident. No. 0025006577



MINISTAR 80 control

\$ 2,661.00

Ident. No. 0025005082



Vibration sensor included



| TECHNICAL DATA                                | MINISTAR 20<br>DIGITAL   CONTROL       | MINISTAR 40<br>DIGITAL   CONTROL       | MINISTAR 80<br>DIGITAL   CONTROL       |
|-----------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)     | 15 l                                   | 25 l                                   | 50 l                                   |
| Speed range                                   | 0 / 50 – 2000 rpm                      | 0 / 50 – 1000 rpm<br>0 / 30 – 1000 rpm | 0 / 50 – 500 rpm<br>0 / 30 – 500 rpm   |
| Viscosity max.                                | 10 000 mPas                            | 30 000 mPas                            | 60 000 mPas                            |
| Torque max. at stirring shaft                 | 20 Ncm                                 | 40 Ncm                                 | 80 Ncm                                 |
| Temperature measuring range                   | –   -10 – 350 °C                       | –   -10 – 350 °C                       | –   -10 – 350 °C                       |
| Torque measurement                            | –   Trend                              | –   Trend                              | –   Trend                              |
| Chuck range diameter                          | 0.5 – 8.2 mm                           | 0.5 – 8.2 mm                           | 0.5 – 8.2 mm                           |
| Display                                       | LED   LCD                              | LED   LCD                              | LED   LCD                              |
| Dimensions (W × H × D)                        | 70 × 193 × 147 mm<br>70 × 193 × 154 mm | 70 × 193 × 147 mm<br>70 × 193 × 154 mm | 70 × 193 × 147 mm<br>70 × 193 × 154 mm |
| Protection class according to<br>DIN EN 60529 | IP 54                                  | IP 54                                  | IP 54                                  |

/// OVERHEAD STIRRERS FOR LIGHT STIRRING TASKS

EUROSTAR 20 digital

\$ 1,898.00

Ident. No. 0004442001



EUROSTAR 40 digital

\$ 2,116.00

Ident. No. 0004444001



EUROSTAR 60 digital

\$ 2,376.00

Ident. No. 0004446001



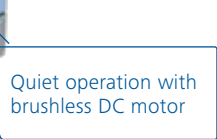
EUROSTAR 60 control

\$ 2,705.00

Ident. No. 0004440001



Quiet operation with  
brushless DC motor



/// POWERFUL OVERHEAD STIRRERS FOR UNIVERSAL STIRRING TASKS

EUROSTAR 100 digital

\$ 4,123.00

Ident. No. 0004238101



EUROSTAR 100 control

\$ 4,585.00

Ident. No. 0004028501



EUROSTAR 200 digital

\$ 5,298.00

Ident. No. 0003990001



EUROSTAR 200 control

\$ 5,504.00

Ident. No. 0003992001



Left-right interval  
rotation



| TECHNICAL DATA                                | EUROSTAR 20<br>DIGITAL   40 DIGITAL | EUROSTAR 60<br>DIGITAL   CONTROL       | EUROSTAR 100<br>DIGITAL   CONTROL      | EUROSTAR 200<br>DIGITAL   CONTROL       |
|-----------------------------------------------|-------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)     | 15 l   25 l                         | 40 l                                   | 100 l                                  | 100 l                                   |
| Speed range                                   | 0 / 30 – 2000 rpm                   | 0 / 30 – 2000 rpm                      | 0 / 30 – 1300 rpm                      | I: 0 / 6 – 400 rpm<br>II: 30 – 2000 rpm |
| Viscosity max.                                | 10 000 l 30 000 mPas                | 50 000 mPas                            | 70 000 mPas                            | 100 000 mPas                            |
| Torque max. at stirring shaft                 | 20 Ncm   40 Ncm                     | 60 Ncm                                 | 100 Ncm                                | I: 200 Ncm<br>II: 40 Ncm                |
| Chuck range diameter                          | 0.5 – 10 mm                         | 0.5 – 10 mm                            | 0.5 – 10 mm                            | 0.5 – 10 mm                             |
| Display                                       | LED                                 | LED   TFT                              | LED   TFT                              | LED   TFT                               |
| Temperature measuring range                   | –   –                               | –   -10 – 350 °C                       | –   -10 – 350 °C                       | –   -10 – 350 °C                        |
| Dimensions (W × H × D)                        | 86 × 248 × 208 mm                   | 86 × 248 × 208 mm<br>86 × 267 × 230 mm | 86 × 248 × 208 mm<br>86 × 267 × 230 mm | 91 × 274 × 209 mm<br>91 × 297 × 231 mm  |
| Protection class according to<br>DIN EN 60529 | IP 42                               | IP 42   IP 40                          | IP 42   IP 40                          | IP 42   IP 40                           |



/// PILOT SCALE OVERHEAD STIRRERS

**EUROSTAR 400 digital**  
\$ 6,272.00  
Ident. No. 0025000750

**EUROSTAR 400 control**  
\$ 7,178.00  
Ident. No. 0025000757



/// ULTRA HIGH TORQUE OVERHEAD STIRRERS

**EUROSTAR 100 P4 control**  
\$ 6,497.00  
Ident. No. 0025004504



/// HIGH SPEED OVERHEAD STIRRERS

**EUROSTAR 20 high speed digital**  
\$ 3,062.00  
Ident. No. 0004028601

**EUROSTAR 20 high speed control**  
\$ 4,448.00  
Ident. No. 0025001463



**EUROSTAR 200 P4 control**  
\$ 6,623.00  
Ident. No. 0004090001

Extremely powerful stirrer for highly viscous applications



| TECHNICAL DATA                             | EUROSTAR 400 DIGITAL   CONTROL           | EUROSTAR 20 HIGH SPEED DIGITAL   CONTROL | EUROSTAR 100 P4 CONTROL | EUROSTAR 200 P4 CONTROL                |
|--------------------------------------------|------------------------------------------|------------------------------------------|-------------------------|----------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 150 l                                    | 20 l                                     | 100 l                   | 100 l                                  |
| Speed range                                | I: 6 – 400 rpm<br>II: 30 – 2000 rpm      | 0 / 150 – 6000 rpm                       | 10 – 300 rpm            | I: 0 / 4 – 108 rpm<br>II: 16 – 530 rpm |
| Viscosity max.                             | 100 000 mPas                             | 10 000 mPas                              | 100 000 mPas            | 150 000 mPas                           |
| Torque max. at stirring shaft              | I: 400 Ncm<br>II: 80 Ncm                 | 20 Ncm                                   | 320 Ncm                 | I: 660 Ncm<br>II: 130 Ncm              |
| Chuck range diameter                       | 3 – 16 mm                                | –                                        | 0.5 – 10 mm             | 0.5 – 10 mm                            |
| Display                                    | LED   TFT                                | LED   TFT                                | TFT                     | TFT                                    |
| Temperature measuring range                | –   -10 – 350 °C                         | –   -10 – 350 °C                         | -10 – 350 °C            | -10 – 350 °C                           |
| Dimensions (W × H × D)                     | 114 × 325 × 245 mm<br>114 × 345 × 268 mm | 86 × 325 × 208 mm<br>86 × 325 × 230 mm   | 86 × 352 × 230 mm       | 91 × 379 × 231 mm                      |
| Protection class according to DIN EN 60529 | IP 42   IP 40                            | IP 42   IP 40                            | IP 40                   | IP 40                                  |

/// MECHANICAL OVERHEAD STIRRERS

**RW 20 digital**  
\$ 1,345.00  
Ident. No. 0003593001

**RW 28 digital**  
\$ 6,614.00  
Ident. No. 0005040001



/// PILOT SCALE OVERHEAD STIRRER

**RW 47 digital**  
\$ 12,031.00  
Ident. No. 0004050010



| TECHNICAL DATA                             | RW 20 DIGITAL                         | RW 28 DIGITAL                         | RW 47 DIGITAL                         |
|--------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 20 l                                  | 80 l                                  | 200 l                                 |
| Speed range                                | I: 60 – 500 rpm<br>II: 240 – 2000 rpm | I: 60 – 400 rpm<br>II: 240 – 1400 rpm | I: 57 – 275 rpm<br>II: 275 – 1300 rpm |
| Viscosity max.                             | 10 000 mPas                           | 50 000 mPas                           | 100 000 mPas                          |
| Torque max. at stirring shaft              | I: 150 Ncm<br>II: 24 Ncm              | I: 900 Ncm<br>II: 300 Ncm             | I: 3000 Ncm<br>II: 620 Ncm            |
| Chuck range diameter                       | 0.5 – 10 mm                           | 1 – 10 mm                             | 3 – 16 mm                             |
| Display                                    | LED                                   | LED                                   | LED                                   |
| Dimensions (W × H × D)                     | 88 × 294 × 212 mm                     | 123 × 364 × 252 mm                    | 145 × 465 × 358 mm                    |
| Protection class according to DIN EN 60529 | IP 20                                 | IP 40                                 | IP 54                                 |



\* (PTFE-coated)

++ IKA recommended | + Installable | – Not compatible





IKA [scale]



R 2723



R 270



R 271



RH 3

| Product                          | Ident. No. | Price        | NANOSTAR digital | MICRO-STARs digital   control | MINISTARS digital   control |
|----------------------------------|------------|--------------|------------------|-------------------------------|-----------------------------|
| TEMPERATURE SENSORS              |            |              |                  |                               |                             |
| H 67.60 stainless steel          | 0025006664 | \$ 101.00    | –                | control                       | control                     |
| H 67.61 stainless steel          | 0020003865 | \$ 423.00    | –                | control                       | control                     |
| H 68.55 stainless steel          | 0025007921 | \$ 458.00    | –                | control                       | control                     |
| H 70 extension cable             | 0002735600 | \$ 184.00    | –                | control                       | control                     |
| SENSORS IN COMBINATION WITH H 70 |            |              |                  |                               |                             |
| H 62.51 stainless steel          | 0002735451 | \$ 284.00    | –                | control                       | control                     |
| H 66.51 glass-coated             | 0002735551 | \$ 352.00    | –                | control                       | control                     |
| H 66.53 coated                   | 0004499900 | \$ 478.00    | –                | control                       | control                     |
| STANDS                           |            |              |                  |                               |                             |
| Plate stands                     |            |              |                  |                               |                             |
| IKA [scale]                      | 0025004318 | \$ 1,371.00  | ++               | ++                            | ++                          |
| R 1825                           | 0003160000 | \$ 276.00    | ++               | ++                            | ++                          |
| R 1826                           | 0003160100 | \$ 311.00    | ++               | ++                            | ++                          |
| R 1827                           | 0003160200 | \$ 322.00    | ++               | ++                            | ++                          |
| H-stand                          |            |              |                  |                               |                             |
| R 2722                           | 0001412000 | \$ 624.00    | –                | ++                            | ++                          |
| Telescopic stands                |            |              |                  |                               |                             |
| R 2723                           | 0001412100 | \$ 680.00    | –                | ++                            | ++                          |
| R 474                            | 0001643000 | \$ 5,678.00  | –                | –                             | –                           |
| Floor stands                     |            |              |                  |                               |                             |
| R 472                            | 0000738700 | \$ 8,100.00  | –                | –                             | –                           |
| R 2850                           | 0020002900 | \$ 3,770.00  | –                | –                             | –                           |
| R 6547 H                         | 0020018378 | \$ 15,163.00 | –                | –                             | –                           |
| R 6547.1                         | 0020018383 | \$ 24,490.00 | –                | –                             | –                           |

| CLAMPS // Compatibility with stands (++ / –) |       |       |       |      |      |
|----------------------------------------------|-------|-------|-------|------|------|
| Product                                      | R 182 | R 270 | R 271 | RH 3 | RH 5 |
| IKA [scale]                                  | ++    | –     | –     | ++   | –    |
| R 1825                                       | ++    | –     | –     | ++   | –    |
| R 1826                                       | ++    | –     | –     | ++   | –    |
| R 1827                                       | ++    | –     | –     | ++   | –    |
| R 2722                                       | –     | ++    | ++    | –    | ++   |
| R 2723                                       | –     | ++    | ++    | –    | ++   |

| EUROSTAR 20   40 digital | EUROSTAR 60 digital   control | EUROSTAR 100 digital   control | EUROSTAR 200 digital   control | EUROSTAR 400 digital   control | EUROSTAR 100 & 200 P4 control | EUROSTAR 20 high speed digital   control | RW 20 digital | RW 28 digital | RW 47 digital |
|--------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------------------|---------------|---------------|---------------|
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| –                        | control                       | control                        | control                        | control                        | ++                            | control                                  | –             | –             | –             |
| ++                       | +                             | –                              | –                              | –                              | –                             | –                                        | ++            | –             | –             |
| ++                       | +                             | +                              | –                              | –                              | –                             | –                                        | ++            | –             | –             |
| ++                       | +                             | +                              | –                              | –                              | –                             | –                                        | ++            | –             | –             |
| ++                       | +                             | +                              | –                              | –                              | –                             | –                                        | ++            | –             | –             |
| ++                       | ++                            | ++                             | ++                             | ++                             | ++                            | ++                                       | ++            | ++            | –             |
| ++                       | ++                            | ++                             | ++                             | ++                             | ++                            | ++                                       | ++            | ++            | –             |
| –                        | –                             | –                              | –                              | –                              | –                             | –                                        | –             | –             | ++            |
| –                        | –                             | ++                             | ++                             | ++                             | ++                            | –                                        | –             | ++            | –             |
| –                        | –                             | –                              | –                              | –                              | –                             | –                                        | –             | –             | ++            |
| –                        | –                             | –                              | –                              | –                              | –                             | –                                        | –             | –             | ++            |

++ IKA recommended | + Installable | – Not compatible



R 1401                      R 1402



R 301



R 60



LABORATORY SOFTWARE

labworldsoft® 6 Starter

\$ 6,903.00

Ident. No. 0020019397

labworldsoft® 6 Advanced

\$ 13,339.00

Ident. No. 0020105873

labworldsoft® 6 Pro

\$ 16,224.00

Ident. No. 0020017366

labworldsoft® is a laboratory software to control lab devices, automate processes, and to document your measurements and results. The software provides access to a huge library of different laboratory devices. labworldsoft® does not integrate only IKA laboratory devices, but supports several other devices from different manufacturers as well. You stay flexible in the choice of your lab devices you want to use and profit from the whole device range of the laboratory world.

| Product                                                | Description                                      | Ident. No. | Price       |
|--------------------------------------------------------|--------------------------------------------------|------------|-------------|
| ACCESSORIES EUROSTAR 20 HIGH SPEED DIGITAL AND CONTROL |                                                  |            |             |
| R 1401                                                 | Propeller, Ø 55 mm                               | 0001242900 | \$ 685.00   |
| R 1405                                                 | Propeller, Ø 45 mm                               | 0001289800 | \$ 551.00   |
| R 1402                                                 | Dissolver, Ø 42 mm                               | 0001243300 | \$ 793.00   |
| ACCESSORIES FOR PROTECTION AND SAFETY                  |                                                  |            |             |
| R 301                                                  | Stirring shaft protection                        | 0002603000 | \$ 362.00   |
| R 301.1                                                | Support holder for R 301                         | 0002604000 | \$ 440.00   |
| R 303                                                  | Stirring shaft protection                        | 0030000257 | \$ 940.00   |
| SI 400                                                 | Safety switch                                    | 0003294800 | \$ 2,199.00 |
| SI 472                                                 | Fixing device for SI 400 to R 472 stand          | 0003264000 | \$ 2,161.00 |
| SI 474                                                 | Fixing device for SI 400 to R 474 or T 653 stand | 0003264400 | \$ 2,161.00 |
| FURTHER ACCESSORIES                                    |                                                  |            |             |
| WH 11                                                  | Wall mount for WiCo                              | 0025001500 | \$ 54.00    |
| FK 1                                                   | Flexible coupling                                | 0002336000 | \$ 536.00   |
| R 60                                                   | Keyless chuck                                    | 0003889500 | \$ 190.00   |
| R 60.1                                                 | Keyless chuck                                    | 0025007821 | \$ 190.00   |



SAFETY FIRST

Stress-free mixing at your own convenience with increased productivity, flexibility and enhanced safety features. A safety stop function allows for example the quick stop of the overhead stirrer. Stirring shaft protection, which is available as an accessory, prevents potential injuries due to the rotating shafts and stirring elements. The clear display of the control versions shows all relevant values such as torque and speed as well as PC connectivity if the device is controlled with labworldsoft®. This ensures a constant overview of the stirring process.



Mixing, heating, cooling – It’s no longer a question of “either/or”. The powerful MATRIX thermoshakers can do everything you need. You can achieve optimal mixing results with the smallest of volumes, whether it’s blood samples, pharmaceutical agents, DNA / RNA samples or ELISA assays. In combination with IKA incubation shakers, centrifuges, pipettes and the Dry Block Heater, our thermoshakers facilitate an optimum workflow in the field of Sample Handling, Liquid Handling and Cell Handling.

MATRIX ORBITAL DELTA PLUS

/// The thermoshaker with cooling feature

The MATRIX Orbital Delta Plus is the youngest member of the MATRIX family. This thermoshaker mixes, heats and cools samples in the milliliter range. This simultaneity ensures particularly good mixing and shorter reaction times. A speed range of up to 3000 rpm and a 3 mm shaking stroke contribute to controlled, rapid and even mixing to the most challenging samples.



SIMPLY USER-FRIENDLY

There are numerous attachments available for the MATRIX Orbital Delta Plus, all of which can be changed quickly and easily. The special attachment fixing system improves temperature transfer and the outer plastic casing ensures that the users don’t burn their fingers.

ACCESSORIES FOR LIFE SCIENCE APPLICATIONS

All of the equipment in the IKA MATRIX range can be combined with the most varied of micro-titration plates, deep well plates, Eppendorf reaction vessels, PCR strips, Greiner tubes, micro-plates and cuvettes. The IKA thermocover prevents the formation of condensation on the vessel cover, meaning that the sample remains constant.

AWARD-WINNING DESIGN

The MATRIX Orbital Delta Plus has been awarded the coveted German Design Award 2021. That’s because it is designed to sit on a sturdy mount, even with its minimal footprint. Its clear shape, smooth surface and inventive layout not only make this thermoshaker look good, but also makes it easier to use – as per the well-known IKA menu navigation.



MATRIX Orbital

\$ 2,258.00  
Ident. No. 0020025539



Mixing

① MATRIX Orbital Δ FP

\$ 2,898.00  
Ident. No. 0020025678

② MATRIX Orbital Δ F0.5

\$ 2,898.00  
Ident. No. 0020025648

③ MATRIX Orbital Δ F1.5

\$ 2,898.00  
Ident. No. 0030000750

④ MATRIX Orbital Δ F2.0

\$ 2,898.00  
Ident. No. 0030000753



Mixing & heating



TECHNICAL DATA

|                                                  | MATRIX ORBITAL                 | MATRIX ORBITAL Δ<br>FP   F0.5   F1.5   F2.0                                          |
|--------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Type of movement                                 | Orbital                        | Orbital                                                                              |
| Speed range                                      | 300 – 3000 rpm                 | FP   F0.5: 300 – 2000 rpm<br>F1.5   F2.0: 300 – 1500 rpm                             |
| Shaking stroke                                   | 3 mm                           | 3 mm                                                                                 |
| Heating range                                    | –                              | RT + 4 °C – 100 °C                                                                   |
| Permissible shaking weight<br>(incl. attachment) | 0.3 kg                         | 0.3 kg                                                                               |
| Operating mode                                   | Timer and continuous operation | Timer and continuous operation                                                       |
| Dimensions (W x H x D)                           | 198 x 124 x 318 mm             | FP: 216 x 147 x 351 mm<br>F0.5: 216 x 149 x 351 mm<br>F1.5 / 2.0: 216 x 158 x 351 mm |
| Protection class according to<br>DIN EN 60529    | IP 21                          | IP 21                                                                                |

MATRIX Δ+  
\$ 2,639.00  
Ident. No. 0010007272

Heating & cooling



MATRIX Orbital Δ+  
\$ 3,912.00  
Ident. No. 0010007274

Mixing, heating  
& cooling



TECHNICAL DATA

|                                               | MATRIX Δ+                      | MATRIX ORBITAL Δ+              |
|-----------------------------------------------|--------------------------------|--------------------------------|
| Type of movement                              | —                              | Orbital                        |
| Speed range                                   | —                              | 300 – 3000 rpm                 |
| Shaking stroke                                | —                              | 3 mm                           |
| Heating range                                 | RT -30 °C – 110 °C             | RT -15 °C – 100 °C             |
| Permissible shaking weight (incl. attachment) | 0.3 kg                         | 0.3 kg                         |
| Operating mode                                | Timer and continuous operation | Timer and continuous operation |
| Dimensions (W × H × D)                        | 216 × 127 × 351 mm             | 216 × 127 × 351 mm             |
| Protection class according to DIN EN 60529    | IP 21                          | IP 21                          |

| Product                   | Description                             | Ident. No. | Price     |
|---------------------------|-----------------------------------------|------------|-----------|
| ACCESSORIES THERMOSHAKERS |                                         |            |           |
| (A) MX cover              | Cover                                   | 0030001253 | \$ 150.00 |
| (B) MX thermocover        | Cover, heatable                         | 0030001244 | \$ 751.00 |
| (C) MX 50.0 ml            | Attachment for vials, 4 × 50 ml vials   | 0030000863 | \$ 751.00 |
| (D) MX 15.0 ml            | Attachment for vials, 8 × 15 ml vials   | 0030000821 | \$ 751.00 |
| (E) MX 5.0 ml             | Attachment for vials, 8 × 5 ml vials    | 0030000859 | \$ 751.00 |
| (F) MX 2.0 ml             | Attachment for vials, 24 × 2.0 ml vials | 0030000834 | \$ 751.00 |
| (G) MX 1.5 ml             | Attachment for vials, 24 × 1.5 ml vials | 0030000829 | \$ 751.00 |
| (H) MX 12.0 mm            | Attachment for vials, 24 × 12 mm vials  | 0030000844 | \$ 751.00 |
| (I) MX cryo               | Attachment for vials, 24 × cryo vials   | 0030000848 | \$ 751.00 |
| (J) MX 0.5 ml             | Attachment for vials, 24 × 0.5 ml vials | 0030000840 | \$ 751.00 |
| (K) MX PCR96              | Attachment for 96 PCR plates            | 0030000853 | \$ 891.00 |
| (L) MX PCR384             | Attachment for 384 PCR plates           | 0030000857 | \$ 891.00 |
| (M) MX carrier            | Attachment for microtiter plates        | 0030000849 | \$ 891.00 |
| (3) MX insert 0.5 ml      | Insert for 0.5 ml vials                 | 0030001157 | \$ 59.00  |
| (2) MX insert 1.5/2.0 ml  | Insert for 1.5 / 2.0 ml vials           | 0030001158 | \$ 59.00  |
| (1) MX insert PCR96       | Insert for 0.2 ml PCR vials             | 0030001159 | \$ 59.00  |





Shaken, not stirred. At IKA, experience and passion for the laboratory shaker go back nearly 100 years. Today we cover the entire range of motion in mixing technology. In combination with innovative automation, high-quality materials and ergonomic design, people rock, roll, turn and shake with us.

KS 3000 IC CONTROL

/// Incubator shaker

The KS 3000 ic control is a universal benchtop incubation shaker. It mixes and incubates, making it ideal for cultivating cells, bacterial suspensions, hybridization, staining and decolorizing, and metabolic studies. In addition to experiments with biological cultures, it is also ideal for solubility studies, extraction processes and general mixing processes.



VERSATILE – THANKS TO ITS MANY ACCESSORIES

Under its hood, the KS 3000 ic control offers you a world of options: Countless attachments, flasks, bowls and vessels make this simple device so versatile and make it stand out among incubation shakers.

HEAVY SHAKING WEIGHT

With a shaking weight of 7.5 kg, which is a lot for its compact size, the KS 3000 ic control is an extremely powerful laboratory shaker.

TEMPERATURE CONTROL WITHIN THE MEDIUM

KS 3000 ic control not only has a heat exchanger, it also has a sensor in the medium. This allows the temperature to be set directly within the sample.

① **KS 3000 i control**  
\$ 7,756.00  
Ident. No. 0003940001

② **KS 3000 ic control**  
\$ 9,697.00  
Ident. No. 0003940101



KS 3000 ic with built-in cooling coil

Allows unattended operation

① **KS 4000 i control**  
\$ 11,265.00  
Ident. No. 0003510001

② **KS 4000 ic control**  
\$ 12,370.00  
Ident. No. 0003510101



| TECHNICAL DATA                                | KS 3000 I   IC                       | KS 4000 I   IC                       |
|-----------------------------------------------|--------------------------------------|--------------------------------------|
| Type of movement                              | Orbital                              | Orbital                              |
| Permissible shaking weight (incl. attachment) | 7.5 kg                               | 20 kg                                |
| Speed range                                   | 10 – 500 rpm                         | 10 – 500 rpm                         |
| Timer display                                 | 7 segment LED                        | 7 segment LED                        |
| Speed display                                 | LED                                  | LED                                  |
| Operating mode                                | Timer and continuous operation       | Timer and continuous operation       |
| Temperature range (inlet T>3°C)               | RT +5 °C – 80 °C   RT -10 °C – 80 °C | RT +5 °C – 80 °C   RT -10 °C – 80 °C |
| Total volume inner chamber                    | 50 l                                 | 90 l                                 |
| Dimensions (W x H x D)                        | 465 x 430 x 695 mm                   | 580 x 525 x 750 mm                   |
| Protection class according to DIN EN 60529    | IP 30                                | IP 30                                |

① **ROCKER 2D basic**  
\$ 1,151.00  
Ident. No. 0004002000

② **ROCKER 2D digital**  
\$ 1,315.00  
Ident. No. 0004003000



① **ROCKER 3D basic**  
\$ 1,414.00  
Ident. No. 0004000000

② **ROCKER 3D digital**  
\$ 1,534.00  
Ident. No. 0004001000



① **ROLLER 6 basic**  
\$ 2,311.00  
Ident. No. 0004010000

② **ROLLER 6 digital**  
\$ 2,683.00  
Ident. No. 0004011000



**ROLLER 10 basic**  
\$ 2,736.00  
Ident. No. 0004012000

② **ROLLER 10 digital**  
\$ 3,208.00  
Ident. No. 0004013000



TECHNICAL DATA

|                                               | ROCKER 2D<br>BASIC   DIGITAL                                | ROCKER 3D<br>BASIC   DIGITAL                                | ROLLER 6<br>BASIC   DIGITAL                                 | ROLLER 10<br>BASIC   DIGITAL                                |
|-----------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Type of movement                              | Rocking                                                     | Tumbling                                                    | Rocking and rolling                                         | Rocking and rolling                                         |
| Speed range                                   | 0 – 80 rpm                                                  | 30 rpm   0 – 80 rpm                                         | 30 rpm   0 – 80 rpm                                         | 30 rpm   0 – 80 rpm                                         |
| Timer display                                 | –   7 segment LED                                           | –   7 segment LED                                           | –   7 segment LED                                           | –   7 segment LED                                           |
| Speed display                                 | –   7 segment LED                                           | –   7 segment LED                                           | –   7 segment LED                                           | –   7 segment LED                                           |
| Operating mode                                | Continuous operation  <br>Timer and continuous<br>operation | Continuous operation  <br>Timer and continuous<br>operation | Continuous operation  <br>Timer and continuous<br>operation | Continuous operation  <br>Timer and continuous<br>operation |
| Dimensions (W × H × D)                        | 280 × 150 × 330 mm                                          | 280 × 165 × 330 mm<br>280 × 185 × 330 mm                    | 240 × 115 × 545 mm                                          | 380 × 115 × 545 mm                                          |
| Protection class according to<br>DIN EN 60529 | IP 21                                                       | IP 21                                                       | IP 21                                                       | IP 21                                                       |

① **Loopster basic**  
\$ 1,104.00  
Ident. No. 0004015000

② **Loopster digital**  
\$ 1,286.00  
Ident. No. 0004016000



① **Hula Dancer basic**  
\$ 516.00  
Ident. No. 0025004320

② **Hula Dancer digital**  
\$ 613.00  
Ident. No. 0025003634



TECHNICAL DATA

|                                                  | LOOPSTER<br>BASIC   DIGITAL                                 | TRAYSTER<br>BASIC   DIGITAL                                 | HULA DANCER<br>BASIC   DIGITAL | MS 3 BASIC   DIGITAL  <br>CONTROL                                                               |
|--------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------|
| Type of movement                                 | Rotating                                                    | Overhead                                                    | Orbital                        | Orbital                                                                                         |
| Permissible shaking weight<br>(incl. attachment) | 2 kg                                                        | 2 kg                                                        | 0.1 kg                         | 0.5 kg                                                                                          |
| Speed range                                      | 20 rpm   0 – 80 rpm                                         | 20 rpm   0 – 80 rpm                                         | 2800 rpm  <br>1200 – 2800 rpm  | 200 – 3000 rpm  <br>200 – 3000 rpm  <br>100 – 3000 rpm                                          |
| Timer display                                    | –   7 Segment LED                                           | –   7 Segment LED                                           | –   –                          | –   7 Segment LED   LCD                                                                         |
| Operating mode                                   | Continuous operation  <br>Timer and continuous<br>operation | Continuous operation  <br>Timer and continuous<br>operation | –                              | Continuous operation  <br>Timer and continuous<br>operation   Timer and<br>continuous operation |
| Dimensions (W × H × D)                           | 300 × 360 × 300 mm                                          | 460 × 180 × 140 mm                                          | 123 × 42 × 123 mm              | 148 × 63 × 205 mm                                                                               |
| Protection class according to<br>DIN EN 60529    | IP 21                                                       | IP 21                                                       | IP 42                          | IP 21                                                                                           |

① **Trayster basic**  
\$ 1,191.00  
Ident. No. 0004005000

② **Trayster digital**  
\$ 1,317.00  
Ident. No. 0004006000



① **MS 3 basic**  
\$ 777.00  
Ident. No. 0003617000

② **MS 3 digital**  
\$ 876.00  
Ident. No. 0003319000

③ **MS 3 control**  
\$ 919.00  
Ident. No. 0020016017





VORTEX 2

\$ 482.00  
Ident. No. 0025001607



VORTEX 3

\$ 748.00  
Ident. No. 0003340001



HANDS FOR CHILDREN

The aid project HANDS FOR CHILDREN was created in 2000 by IKA owner and Managing Director René Stieglmann. In the context of this voluntary initiative, retired IKA employees assemble laboratory equipment free-of-charge, so that the proceeds can be used for children's charity programs. More than 2000 voluntary hours per year are used for the benefit of medical care for disabled children in Uganda and for schooling programs in Tanzania, for example.

| TECHNICAL DATA                                | VORTEX 2                     | VORTEX 3                     |
|-----------------------------------------------|------------------------------|------------------------------|
| Type of movement                              | Orbital                      | Orbital                      |
| Speed range                                   | 500 – 2500 rpm               | 0 – 2500 rpm                 |
| Timer                                         | No                           | No                           |
| Speed display                                 | Scale                        | Scale (0-6)                  |
| Operating mode                                | Continuous / touch operation | Continuous / touch operation |
| Permissible shaking weight (incl. attachment) | 0.4 kg                       | 0.4 kg                       |
| Dimensions (W x H x D)                        | 120 x 140 x 138 mm           | 127 x 136 x 149 mm           |
| Protection class according to DIN EN 60529    | IP 21                        | IP 21                        |

VORTEX 1

\$ 357.00  
Ident. No. 0004047700



MTS 2/4 digital

\$ 2,272.00  
Ident. No. 0003208001

For shaking two or four microtiter plates



VXR basic Vibrax®

\$ 1,610.00  
Ident. No. 0002819001



lab dancer

\$ 239.00  
Ident. No. 0003365000



| TECHNICAL DATA                                | VORTEX 1         | VXR BASIC VIBRAX®    | MTS 2/4 DIGITAL                | LAB DANCER        |
|-----------------------------------------------|------------------|----------------------|--------------------------------|-------------------|
| Type of movement                              | Orbital          | Orbital              | Orbital                        | Orbital           |
| Speed range                                   | 1000 – 2800 rpm  | 100 – 2200 rpm       | 50 – 1100 rpm                  | 2800 rpm          |
| Timer                                         | –                | –                    | Yes                            | –                 |
| Speed display                                 | –                | Scale                | Scale                          | –                 |
| Operating mode                                | Touch operation  | Continuous operation | Timer and continuous operation | Touch operation   |
| Permissible shaking weight (incl. attachment) | 0.1 kg           | 2 kg                 | 1 kg; 2/4 MT-plates            | 0.1 kg            |
| Dimensions (W x H x D)                        | 95 x 70 x 110 mm | 157 x 130 x 247 mm   | 185 x 105 x 320 mm             | 100 x 70 x 100 mm |
| Protection class according to DIN EN 60529    | IP 40            | IP 21                | IP 21                          | IP 40             |

- ① **KS 130 basic**  
\$ 2,360.00  
Ident. No. 0002980001
- ② **KS 130 control**  
\$ 3,556.00  
Ident. No. 0002980101
- ③ **KS 130 control NOL**  
\$ 3,647.00  
Ident. No. 0004278201



- ① **KS 260 basic**  
\$ 3,520.00  
Ident. No. 0002980201
- ② **KS 260 control**  
\$ 4,220.00  
Ident. No. 0002980301
- ③ **KS 260 control NOL**  
\$ 4,327.00  
Ident. No. 0004278401



| TECHNICAL DATA                                   | KS 130<br>BASIC   CONTROL      | KS 260<br>BASIC   CONTROL      |
|--------------------------------------------------|--------------------------------|--------------------------------|
| Type of movement                                 | Orbital                        | Orbital                        |
| Shaker diameter                                  | 4 mm                           | 10 mm                          |
| Permissible shaking weight<br>(incl. attachment) | 2.0 kg                         | 7.5 kg                         |
| Speed range                                      | 80 – 800 rpm                   | 50 – 500 rpm   10 – 500 rpm    |
| Timer display                                    | LED line   LCD                 | LED line   LCD                 |
| Speed display                                    | LED line   LCD                 | LED line   LCD                 |
| Operating mode                                   | Timer and continuous operation | Timer and continuous operation |
| Dimensions (W × H × D)                           | 270 × 98 × 316 mm              | 360 × 98 × 420 mm              |
| Protection class according to DIN EN 60529       | IP 21                          | IP 21                          |

- ① **HS 260 basic**  
\$ 3,536.00  
Ident. No. 0003066601
- ② **HS 260 control**  
\$ 4,241.00  
Ident. No. 0003066701
- ③ **HS 260 control NOL**  
\$ 4,327.00  
Ident. No. 0004278601



- ① **HS 501 digital**  
\$ 4,678.00  
Ident. No. 0025002983
- ② **KS 501 digital**  
\$ 4,578.00  
Ident. No. 0025002986



| TECHNICAL DATA                                   | HS 260<br>BASIC   CONTROL      | HS 501 DIGITAL  <br>KS 501 DIGITAL |
|--------------------------------------------------|--------------------------------|------------------------------------|
| Type of movement                                 | Reciprocating                  | Reciprocating   Orbital            |
| Shaker diameter                                  | 20 mm                          | 30 mm                              |
| Permissible shaking weight<br>(incl. attachment) | 7.5 kg                         | 15 kg                              |
| Speed range                                      | 20 – 300 rpm   10 – 300 rpm    | 0 – 300 rpm                        |
| Timer display                                    | LED line   LCD                 | Scale                              |
| Speed display                                    | LED line   LCD                 | 7 segment LED                      |
| Operating mode                                   | Timer and continuous operation | Timer and continuous operation     |
| Dimensions (W × H × D)                           | 360 × 100 × 420 mm             | 505 × 120 × 585 mm                 |
| Protection class according to DIN EN 60529       | IP 21                          | IP 21                              |



RD 1



TB 1

TB 3



DS 2  
Tube attachment



DS 4  
Tube attachment



DS 6.1



DS 6.2



DS 6.3



DS 6.4



TR 1



TR 2



TR 3



TR 4

| Product            | Description               | Ident. No. | Price     |
|--------------------|---------------------------|------------|-----------|
| ACCESSORIES ROCKER |                           |            |           |
| A 2                | Second level attachment   | 0004581700 | \$ 137.00 |
| RD 1               | Universal mat             | 0004532000 | \$ 27.00  |
| RD 2               | Burled mat                | 0004532100 | \$ 34.00  |
| TB 1               | Tray, 24 × 5 ml, Ø 12 mm  | 0004532200 | \$ 83.00  |
| TB 2               | Tray, 12 × 15 ml, Ø 16 mm | 0004532300 | \$ 82.00  |
| TB 3               | Tray, 10 × 30 ml, Ø 25 mm | 0004532400 | \$ 82.00  |
| TB 4               | Tray, 8 × 30 ml, Ø 28 mm  | 0004532500 | \$ 82.00  |

|                      |                                       |            |           |
|----------------------|---------------------------------------|------------|-----------|
| ACCESSORIES LOOPSTER |                                       |            |           |
| DS 1                 | Tube attachment, 48 × 1,5 ml, Ø 10 mm | 0004524000 | \$ 291.00 |
| DS 2                 | Tube attachment, 24 × 5 ml, Ø 12 mm   | 0004524100 | \$ 291.00 |
| DS 3                 | Tube attachment, 20 × 15 ml, Ø 16 mm  | 0004524200 | \$ 291.00 |
| DS 4                 | Tube attachment, 2 × 30 ml, Ø 25 mm   | 0004524300 | \$ 291.00 |
| DS 5                 | Tube attachment, 12 × 50 ml, Ø 28 mm  | 0004524400 | \$ 291.00 |
| DS 6                 | Universal disc                        | 0004524500 | \$ 240.00 |
| DS 6.1               | Spare clips, Ø 10 mm, 12 pcs.         | 0004524600 | \$ 15.00  |
| DS 6.2               | Spare clips, Ø 12 mm, 12 pcs.         | 0004524700 | \$ 15.00  |
| DS 6.3               | Spare clips, Ø 16 mm, 12 pcs.         | 0004524800 | \$ 22.00  |
| DS 6.4               | Spare clips, Ø 25 mm, 12 pcs.         | 0004524900 | \$ 22.00  |
| DS 6.5               | Spare clips, Ø 28 mm, 12 pcs.         | 0004525000 | \$ 22.00  |

|                      |                                   |            |          |
|----------------------|-----------------------------------|------------|----------|
| ACCESSORIES TRAYSTER |                                   |            |          |
| TR 1                 | Tube insert, 24 × 1.5 ml, Ø 10 mm | 0004525100 | \$ 85.00 |
| TR 2                 | Tube insert, 24 × 5 ml, Ø 12 mm   | 0004525200 | \$ 85.00 |
| TR 3                 | Tube insert, 12 × 15 ml, Ø 16 mm  | 0004525300 | \$ 85.00 |
| TR 4                 | Tube insert, 6 × 50 ml, Ø 28 mm   | 0004525400 | \$ 85.00 |

MS 1.33



MS 1.32



MS 1.31



MS 3.5



MS 3.3



MS 3.1

MS 3.4

MS 3.5

VG 3.35



VG 3.34



VG 3.32



VG 3.31



VG 3.1

VG 3.3



| Product                                    | Description                    | Ident. No. | Price     |
|--------------------------------------------|--------------------------------|------------|-----------|
| ACCESSORIES MS 3 BASIC   DIGITAL   CONTROL |                                |            |           |
| MS 3.1                                     | Standard attachment            | 0003426300 | \$ 77.00  |
| MS 3.3                                     | Universal attachment           | 0003426600 | \$ 77.00  |
| MS 1.21                                    | One-hand insert                | L001540    | \$ 39.00  |
| MS 1.30                                    | Attachment for 0.5 ml tubes    | 0025005776 | \$ 66.00  |
| MS 1.31                                    | Test tube insert, 14 × Ø 10 mm | L001840    | \$ 72.00  |
| MS 1.32                                    | Test tube insert, 6 × Ø 12 mm  | L001850    | \$ 50.00  |
| MS 1.33                                    | Test tube insert, 4 × Ø 16 mm  | L001860    | \$ 48.00  |
| MS 1.34                                    | Test tube insert               | L001830    | \$ 41.00  |
| MS 3.4                                     | Microtiter plate attachment    | 0003426400 | \$ 102.00 |
| MS 3.5                                     | PCR plate attachment, 96-well  | 0003428000 | \$ 282.00 |

|                                 |                                             |            |           |
|---------------------------------|---------------------------------------------|------------|-----------|
| ACCESSORIES VORTEX 2   VORTEX 3 |                                             |            |           |
| VG 3.1                          | Standard attachment                         | 0003341201 | \$ 41.00  |
| VG 3.2                          | One-hand attachment                         | 0003342300 | \$ 50.00  |
| VG 3.21                         | Rubber mat                                  | 0020008398 | \$ 33.00  |
| VG 3.3                          | Universal attachment, 150 mm                | 0003342400 | \$ 50.00  |
| VG 3.30                         | Attachment for PCR-tubes, 0.2 ml            | 0025005779 | \$ 65.00  |
| VG 3.31                         | Test tube attachment for 54 Eppendorf tubes | 0003344300 | \$ 125.00 |
| VG 3.32                         | Test tube attachment, 18 × Ø 10 mm          | 0003343900 | \$ 72.00  |
| VG 3.33                         | Test tube attachment, 12 × Ø 12 mm          | 0003344000 | \$ 66.00  |
| VG 3.34                         | Test tube attachment, 8 × Ø 16 mm           | 0003344100 | \$ 66.00  |
| VG 3.35                         | Test tube attachment, 8 × Ø 20 mm           | 0003344200 | \$ 66.00  |
| VG 3.36                         | Erlenmeyer flask attachment, 100 – 250 ml   | 0003342100 | \$ 117.00 |
| VG 3.37                         | Microtiter plate attachment                 | 0003344400 | \$ 59.00  |



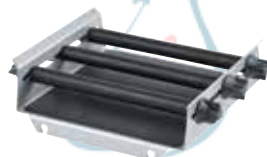
VX 2E.n



VX 2



VX 11.1



AS 130.1



AS 260.3



AS 1.10



AS 501.2



AS 501.3



AS 501.6

| Product         | vDescription                             | Ident. No. | Price       |
|-----------------|------------------------------------------|------------|-------------|
| ACCESSORIES VXR |                                          |            |             |
| VX 1            | One-hand attachment, 1 – 250 ml          | 0000607200 | \$ 229.00   |
| VX 2            | Test tube attachment, 36 × Ø 16 mm       | 0000568900 | \$ 974.00   |
| VX 2E.n         | Eppendorf attachment, 64 × 1.5 ml        | 0020018016 | \$ 1,086.00 |
| VX 7            | Dish attachment                          | 0000953300 | \$ 708.00   |
| VX 8            | Universal attachment                     | 0000910400 | \$ 1,613.00 |
| VX 11           | Basic holder                             | 0003627700 | \$ 475.00   |
| VX 11.1         | Test tube insert, 70 × Ø 10 mm           | 0003659000 | \$ 412.00   |
| VX 11.2         | Test tube insert, 41 × Ø 12 mm           | 0003659100 | \$ 412.00   |
| VX 11.3         | Test tube insert, 32 × Ø 16 mm           | 0003659200 | \$ 351.00   |
| VX 11.4         | Test tube insert, 18 × Ø 20 mm           | 0003659300 | \$ 351.00   |
| VX 11.5         | Attachment for 30 ml tubes, 12 × Ø 23 mm | 0025005778 | \$ 364.00   |
| VX 11.6         | Attachment for 50 ml tubes, 8 × Ø 27 mm  | 0025005777 | \$ 294.00   |
| VX 8.1          | Clamping roll                            | 0003375400 | \$ 153.00   |

ACCESSORIES KS 130 BASIC | CONTROL

|          |                        |            |           |
|----------|------------------------|------------|-----------|
| AS 130.1 | Universal attachment   | 0008017300 | \$ 375.00 |
| AS 130.2 | Fixing clip attachment | 0003115000 | \$ 197.00 |
| AS 130.3 | Dish attachment        | 0003120000 | \$ 368.00 |
| AS 130.4 | Test tube attachment   | 0003120300 | \$ 371.00 |

ACCESSORIES KS | HS 260 BASIC | CONTROL AND KS 3000

|          |                              |            |             |
|----------|------------------------------|------------|-------------|
| AS 260.1 | Universal attachment         | 0008017400 | \$ 550.00   |
| AS 260.2 | Fixing clip attachment       | 0003115500 | \$ 264.00   |
| AS 260.3 | Dish attachment              | 0003120600 | \$ 208.00   |
| AS 260.5 | Separating funnel attachment | 0003120900 | \$ 1,111.00 |

ACCESSORIES KS | HS 501 DIGITAL

|          |                              |            |             |
|----------|------------------------------|------------|-------------|
| AS 501.1 | Universal attachment         | 0008000200 | \$ 2,155.00 |
| AS 501.2 | Separating funnel attachment | 0008000300 | \$ 2,268.00 |
| AS 501.3 | Separating funnel attachment | 0008000400 | \$ 2,145.00 |
| AS 501.4 | Fixing clip attachment       | 0002341100 | \$ 2,058.00 |
| AS 501.5 | Dish attachment              | 0002339600 | \$ 580.00   |
| AS 501.6 | Separating funnel attachment | 0008000500 | \$ 3,749.00 |



AS 1.400



AS 4000.1



AS 1.30



AS 1.31



AS 1.7



AS 1.13



AS 2.1



AS 2.4



AS 2.6



STICKMAX

| Product                            | Description                   | Ident. No. | Price       |
|------------------------------------|-------------------------------|------------|-------------|
| ACCESSORIES KS 4000 I   IC CONTROL |                               |            |             |
| AS 4000.1                          | Universal attachment          | 0008022200 | \$ 2,919.00 |
| AS 4000.2                          | Fixing clip attachment        | 0003710100 | \$ 1,562.00 |
| AS 4000.3                          | Dish attachment               | 0003710000 | \$ 453.00   |
| AS 1.400                           | Basic holder for AS 4000.1    | 0003710200 | \$ 1,162.00 |
| AS 1.401                           | Clamping roll for AS 4000.1   | 0003712000 | \$ 144.00   |
| AS 1.402                           | Fastening screw for AS 4000.1 | 0003712300 | \$ 38.00    |

ACCESSORIES

|          |                                   |            |             |
|----------|-----------------------------------|------------|-------------|
| AS 1.30  | Basic holder for AS 130.1         | 0003148000 | \$ 170.00   |
| AS 1.60  | Basic holder for AS 260.1         | 0003149000 | \$ 524.00   |
| AS 1.10  | Basic holder for AS 501.1         | 0002339700 | \$ 1,934.00 |
| AS 1.31  | Clamping roll for AS 130.1        | 0003030500 | \$ 78.00    |
| AS 1.61  | Clamping roll for AS 260.1        | 0003030501 | \$ 56.00    |
| AS 1.11  | Clamping roll for AS 501.1        | 0002339800 | \$ 165.00   |
| AS 1.6   | Clamping device for AS 501.1      | 0001268400 | \$ 140.00   |
| AS 1.7   | Clamping device for AS 501.1      | 0001269200 | \$ 169.00   |
| AS 1.12  | Supporting bar for AS 1.10        | 0002594500 | \$ 375.00   |
| AS 1.13  | Ground section holder for AS 1.10 | 0002597000 | \$ 355.00   |
| STICKMAX | Universal adhesive mat            | 0003920000 | \$ 180.00   |
| AS 2.0   | Fixing clips, 10 ml               | 0020016475 | On request  |
| AS 2.1   | Fixing clips, 25 ml               | 0001234300 | \$ 36.00    |
| AS 2.2   | Fixing clips, 50 ml               | 0001234400 | \$ 36.00    |
| AS 2.3   | Fixing clips, 100 ml              | 0001234500 | \$ 36.00    |
| AS 2.4   | Fixing clips, 200   250 ml        | 0001234600 | \$ 66.00    |
| AS 2.5   | Fixing clips, 500 ml              | 0001234700 | \$ 66.00    |
| AS 2.6   | Fixing clips, 1000 ml             | 0003819300 | \$ 66.00    |
| AS 2.7   | Fixing clips, 2000 ml             | 0020016476 | \$ 151.00   |



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.

T 25 EASY CLEAN DIGITAL AND CONTROL  
ULTRA-TURRAX®

/// The new dispersing experience

More quiet, clean and even remote controlled: The T 25 easy clean high-performance disperser in the digital and control versions will change your dispersing experience. These instruments hit the spot with electronic speed control from 3000 – 25 000 rpm, a digital timer setting, a working volume of 1 – 2000 ml (water), a long service life both for the drive and tools, as well as a wide range of dispersing tools to choose from. Medical samples are perfectly homogenized, cosmetics emulsified and paints suspended in a short time, due to the high speed and high shear operation.



ELECTRONICALLY COMMUTATED MOTOR

IKA applies a new motor technology to the devices in the T 25 easy clean series: The brushless DC motor, with a noise level of 70 dB, ensures a significant noise reduction in the lab. It also allows carbon dust-free operation.

EASY CLEANING

Easy clean means: The dispersing element is easily cleaned without disassembly, thanks to its manually extendable rotor. The tool is also dishwasher-compatible and completely autoclavable.

INTEGRATED TEMPERATURE MEASUREMENT

Yet another highlight is the patented, integrated temperature measurement in the T 25 easy clean control version. The temperature sensor is integrated into the tool and thus enables the permanent monitoring of the medium temperature. Combined with the safety temperature setting, this helps to protect temperature-sensitive samples.

ULTRA-TURRAX® Tube Drive

\$ 1,492.00  
Ident. No. 0003646000



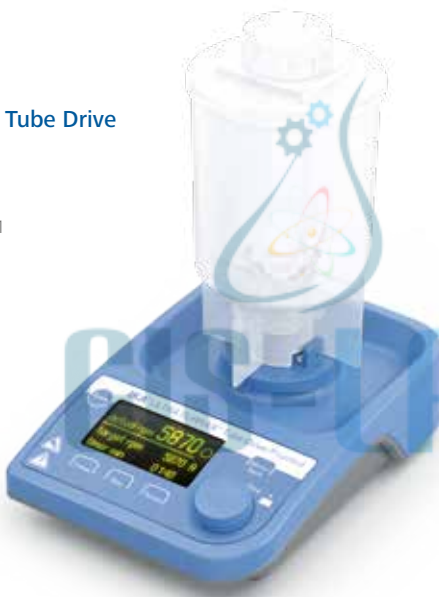
ULTRA-TURRAX® Tube Drive  
P control Workstation

\$ 2,581.00  
Ident. No. 0025005836



ULTRA-TURRAX® Tube Drive  
P control

\$ 2,426.00  
Ident. No. 0025005981



| TECHNICAL DATA                                       | ULTRA-TURRAX®<br>TUBE DRIVE | ULTRA-TURRAX® TUBE<br>DRIVE P CONTROL | ULTRA-TURRAX® TUBE<br>DRIVE P CONTROL<br>WORKSTATION |
|------------------------------------------------------|-----------------------------|---------------------------------------|------------------------------------------------------|
| Process type                                         | Batch                       | Batch                                 | Batch                                                |
| Speed range                                          | 300 – 6000 rpm              | 400 – 8000 rpm                        | 400 – 8000 rpm                                       |
| Timer                                                | –                           | OLED                                  | OLED                                                 |
| Noise without element                                | 50 dB(A)                    | 50 dB(A)                              | 50 dB(A)                                             |
| Reversible direction of rotation                     | –                           | Yes                                   | Yes                                                  |
| Viscosity max.                                       | 5000 mPas                   | 5000 mPas                             | 5000 mPas                                            |
| Dimensions (W x H x D)<br>Dimension case (W x H x D) | 100 x 40 x 160 mm           | 122 x 54 x 178 mm                     | 122 x 54 x 178 mm<br>270 x 78 x 225 mm               |
| Protection class according to<br>DIN EN 60529        | IP 20                       | IP 20                                 | IP 20                                                |



| Product                        | Description                                                        | Ident. No. | Price     |
|--------------------------------|--------------------------------------------------------------------|------------|-----------|
| ST TUBES WITH STIRRING ELEMENT |                                                                    |            |           |
| ST-20                          | Tube with stirring element, 20 ml, 25 pcs.                         | 0003703000 | \$ 387.00 |
| ST-20-M-gamma                  | Tube with stirring element, sterile, 20 ml , 20 pcs., membrane lid | 0003700500 | \$ 565.00 |
| ST-50                          | Tube with stirring element, 50 ml, 10 pcs.                         | 0003699500 | \$ 188.00 |
| ST-50-M-gamma                  | Tube with stirring element, sterile, 50 ml, 10 pcs., membrane lid  | 0003701500 | \$ 482.00 |

|                                    |                                                                       |            |           |
|------------------------------------|-----------------------------------------------------------------------|------------|-----------|
| DT TUBES WITH ROTOR-STATOR ELEMENT |                                                                       |            |           |
| DT-20                              | Tube with rotor-stator element, 20 ml, 25 pcs.                        | 0003703100 | \$ 407.00 |
| DT-20-M-gamma                      | Tube with rotor-stator element, sterile, 20 ml, 20 pcs., membrane lid | 0003700600 | \$ 567.00 |
| DT-20 eco                          | Tube with rotor-stator element, 20 ml, 25 pcs.                        | 0020003207 | \$ 386.00 |
| DT-50                              | Tube with rotor-stator element, 50 ml, 10 pcs.                        | 0003699600 | \$ 219.00 |
| DT-50-M-gamma                      | Tube with rotor-stator element, sterile, 50 ml, 10 pcs., membrane lid | 0003701600 | \$ 484.00 |
| DT-50 eco                          | Tube with rotor-stator element, 50 ml, 10 pcs., membrane lid          | 0020003213 | \$ 161.00 |

|                                                                          |                                                                                                                                                   |            |            |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| BMT G   S TUBES FOR GRINDING WITH GLASS (G) OR STAINLESS STEEL (S) BALLS |                                                                                                                                                   |            |            |
| BMT-20-S                                                                 | Tube with stirring element, stainless steel balls, 20 ml, 25 pcs.                                                                                 | 0003703200 | \$ 419.00  |
| BMT-20-G                                                                 | Tube with stirring element, glass balls, 20 ml, 25 pcs.                                                                                           | 0003703300 | \$ 419.00  |
| BMT-20-S-M-gamma                                                         | Tube with stirring element, sterile, stainless steel balls, 20 ml, 20 pcs., membrane lid                                                          | 0003700701 | \$ 711.00  |
| BMT-20-G-M-gamma                                                         | Tube with stirring element, sterile, glass balls, 20 ml, 20 pcs., membrane lid                                                                    | 0020017448 | \$ 419.00  |
| BMT-20-S-IVD1.50                                                         | Tube with stirring element, sterile, IVD label, stainless steel balls, 5 ml NaCl solution, 20 ml, 50 pcs., single sterile packaging               | 0020103143 | On request |
| BMT-20-S-IVD.50                                                          | Tube with stirring element, sterile, IVD label, stainless steel balls, 5 ml NaCl solution, 20 ml, 50 pcs., membrane lid, double sterile packaging | 0020027186 | On request |
| BMT-50-S                                                                 | Tube with stirring element, stainless steel balls, 50 ml, 10 pcs.                                                                                 | 0003699700 | \$ 219.00  |
| BMT-50-G                                                                 | Tube with stirring element, glass balls, 50 ml, 10 pcs.                                                                                           | 0003699800 | \$ 219.00  |
| BMT-50-S-M-gamma                                                         | Tube with stirring element, sterile, stainless steel balls, 50 ml, 10 pcs., membrane lid                                                          | 0003701700 | \$ 482.00  |



| Product                                       | Description                                                 | Ident. No. | Price       |
|-----------------------------------------------|-------------------------------------------------------------|------------|-------------|
| TUBES WITH DISSOLVER ELEMENT AND MEMBRANE LID |                                                             |            |             |
| DIS-50-S-M                                    | Tube with dissolver blade, 50 ml, 10 pcs., stainless steel  | 0020016316 | \$ 252.00   |
| DIS-50-T-M                                    | Tube with dissolver blade, 50 ml, 10 pcs., titanium         | 0020016317 | \$ 288.00   |
| DIS-300-S-M.10                                | Tube with dissolver blade, 300 ml, 10 pcs., stainless steel | 0020016318 | \$ 376.00   |
| DIS-300-S-M.50                                | Tube with dissolver blade, 300 ml, 50 pcs., stainless steel | 0020017313 | \$ 1,789.00 |

|                              |                                                             |            |             |
|------------------------------|-------------------------------------------------------------|------------|-------------|
| TUBES WITH DISSOLVER ELEMENT |                                                             |            |             |
| DIS-300-S.10                 | Tube with dissolver blade, 300 ml, 10 pcs., stainless steel | 0020026959 | \$ 386.00   |
| DIS-300-S.50                 | Tube with dissolver blade, 300 ml, 50 pcs., stainless steel | 0020026960 | \$ 1,841.00 |

|         |                                     |            |           |
|---------|-------------------------------------|------------|-----------|
| COVERS  |                                     |            |           |
| TC-20-M | Cover, pierceable membrane, 25 pcs. | 0003749900 | \$ 183.00 |
| TC-50-M | Cover, pierceable membrane, 10 pcs. | 0003750000 | \$ 182.00 |

|                         |                              |            |           |
|-------------------------|------------------------------|------------|-----------|
| BALLS FOR BMT TUBE      |                              |            |           |
| Glass balls 6           | Glass balls, 250 g           | 0003599200 | \$ 197.00 |
| Stainless steel balls 5 | Stainless steel balls, 250 g | 0003599300 | \$ 197.00 |

|                              |                                           |            |          |
|------------------------------|-------------------------------------------|------------|----------|
| FURTHER ACCESSORIES FOR UTTD |                                           |            |          |
| CA.UTTD                      | Centrifuge adapter for UTTD tubes, 2 pcs. | 0020101847 | \$ 93.00 |

## BMT-20-S-IVD

/// For use in human medicine

BMT-20-S-IVD\* is a universally applicable disposable mixing vessel for use in human medicine and infection diagnostics. The gamma-sterilized tube contains a stirring unit, 10 stainless steel balls and 5 ml of saline solution and has a screw-on cover with pierceable membrane. BMT-20-S-IVD facilitates and improves micro-biological and molecular-biological analysis of patient samples such as tissue or intraoperative samples.

### REDUCED RISK OF CONTAMINATION

No cross-contamination as sample is directly ground inside the vessel, no multiple opening of sample vessel required.

### TIME SAVING

Disposable system, shorter sample preparation times, no cleaning of additional vessels.

### TRACEABILITY

One single process for transport, grinding / homogenization and storage.

\* Released for all EU countries



T 10 basic ULTRA-TURRAX®

\$ 1,983.00  
Ident. No. 0003737001



T 18 digital ULTRA-TURRAX®

\$ 1,715.00  
Ident. No. 0003720001



T 25 digital ULTRA-TURRAX®

\$ 2,661.00  
Ident. No. 0003725001



T 50 digital ULTRA-TURRAX®

\$ 4,576.00  
Ident. No. 0003787001



T 18 brushless digital ULTRA-TURRAX®

\$ 2,046.00  
Ident. No. 0020103241



Brushless DC motor  
guarantees dust-free  
and quieter operation

NEW!

T 25 easy clean digital ULTRA-TURRAX®

\$ 2,937.00  
Ident. No. 0025002561



T 25 easy clean control ULTRA-TURRAX®

\$ 4,055.00  
Ident. No. 0025002501

① T 65 basic ULTRA-TURRAX®

\$ 8,538.00  
Ident. No. 0004023501



② T 65 digital ULTRA-TURRAX®

\$ 11,414.00  
Ident. No. 0004234501

UTL 25 digital Inline ULTRA-TURRAX®

\$ 12,180.00  
Ident. No. 0010006857



TECHNICAL DATA

|                                               | T 10 BASIC<br>ULTRA-TURRAX® | T 18 DIGITAL<br>ULTRA-TURRAX® | T 25 DIGITAL<br>ULTRA-TURRAX® | T 50 DIGITAL<br>ULTRA-TURRAX® |
|-----------------------------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Process type                                  | Batch                       | Batch                         | Batch                         | Batch                         |
| Speed range                                   | 8000 – 30 000 rpm           | 3000 – 25 000 rpm             | 3000 – 25 000 rpm             | 600 – 10 000 rpm              |
| Volume range (H <sub>2</sub> O)               | 0.0005 – 0.1 l              | 0.001 – 1,5 l                 | 0.001 – 2,0 l                 | 0.25 – 30 l                   |
| Speed control                                 | Stepless                    | Stepless                      | Stepless                      | Stepless                      |
| Noise without element                         | 65 dB(A)                    | 75 dB(A)                      | 75 dB(A)                      | 72 dB(A)                      |
| Extension arm length                          | 100 mm                      | 160 mm                        | 160 mm                        | 220 mm                        |
| Viscosity max.                                | 5000 mPas                   | 5000 mPas                     | 5000 mPas                     | 5000 mPas                     |
| Dimensions (W × H × D)                        | 56 × 178 × 66 mm            | 87 × 271 × 106 mm             | 87 × 271 × 106 mm             | 115 × 355 × 139 mm            |
| Protection class according to<br>DIN EN 60529 | IP 30                       | IP 20                         | IP 20                         | IP 20                         |

TECHNICAL DATA

|                                               | T 18 BRUSHLESS DIGITAL | T 25 EASY CLEAN<br>DIGITAL   CONTROL | T 65 BASIC   DIGITAL<br>ULTRA-TURRAX®    | UTL 25 DIGITAL<br>ULTRA-TURRAX® |
|-----------------------------------------------|------------------------|--------------------------------------|------------------------------------------|---------------------------------|
| Process type                                  | Batch                  | Batch                                | Batch                                    | Inline                          |
| Speed range                                   | 3000 – 25 000 rpm      | 3000 – 25 000 rpm                    | 7200 rpm  <br>1000 – 9500 rpm            | 3000 – 25000 rpm                |
| Volume range (H <sub>2</sub> O)               | 0.001 – 1,5 l          | 0.001 – 2,0 l                        | 2 – 50 l                                 | –                               |
| Speed control                                 | Stepless               | Stepless                             | –   Stepless                             | Stepless                        |
| Noise without element                         | 70 dB(A)               | 70 dB(A)                             | 75 dB(A)                                 | 73 dB(A)                        |
| Extension arm length                          | 160 mm                 | 160 mm                               | –                                        | 175 mm                          |
| Viscosity max.                                | 5000 mPas              | 5000 mPas                            | 5000 mPas                                | –                               |
| Dimensions (W × H × D)                        | 89 × 270 × 161 mm      | 89 × 270 × 161 mm                    | 185 × 450 × 400 mm<br>300 × 390 × 400 mm | 450 × 120 × 100 mm              |
| Protection class according to<br>DIN EN 60529 | IP 30                  | IP 30                                | IP 54                                    | IP 54                           |



S 10 N - 10 G - ST



S 10 D - 7 G - KS - 65



S 18 D - 10 G - KS



S 18 N - 19 G



S 18/25 - ET50

| Product                              | Description                                  | Ident. No. | Price       |
|--------------------------------------|----------------------------------------------|------------|-------------|
| DISPERSING ELEMENTS FOR T 10 BASIC   |                                              |            |             |
| S 10 N - 8 G - ST                    | Dispersing element, saw-tooth, Ø 8 mm        | 0004446500 | \$ 2,456.00 |
| S 10 N - 10 G - ST                   | Dispersing element, saw-tooth, Ø 10 mm       | 0004446700 | \$ 2,456.00 |
| S 10 N - 5 G                         | Dispersing element, Ø 5 mm                   | 0003304000 | \$ 2,473.00 |
| S 10 N - 8 G                         | Dispersing element, Ø 8 mm                   | 0003305500 | \$ 2,300.00 |
| S 10 N - 10 G                        | Dispersing element, Ø 10 mm                  | 0003370100 | \$ 2,300.00 |
| S 10 D - 7 G - KS - 65               | Plastic dispersing element, Ø 7 mm, 24 pcs.  | 0020002076 | \$ 956.00   |
| S 10 D - 7 G - KS - 110              | Plastic dispersing element, Ø 7 mm, 24 pcs.  | 0020002075 | \$ 1,120.00 |
| DISPERSING ELEMENTS FOR T 18 DIGITAL |                                              |            |             |
| S 18 N - 10 G                        | Dispersing element, Ø 10 mm                  | L004639    | \$ 1,855.00 |
| S 18 N - 19 G                        | Dispersing element, Ø 19 mm                  | L004640    | \$ 1,855.00 |
| S 18 D - 10 G - KS                   | Plastic dispersing element, Ø 10 mm, 12 pcs. | 0003452400 | \$ 927.00   |
| S 18 D - 14 G - KS                   | Plastic dispersing element, Ø 14 mm, 12 pcs. | 0003452300 | \$ 927.00   |
| S 18/25-ET50                         | Disposable tube                              | 0003452500 | \$ 32.00    |



S 25 N - 18 G



S 25 KV - 2802



S 25 KV - 25 F



S 25 D - 14 G - KS



S 25 KD - 25 G - ST

| Product                              | Description                                  | Ident. No. | Price       |
|--------------------------------------|----------------------------------------------|------------|-------------|
| DISPERSING ELEMENTS FOR T 25 DIGITAL |                                              |            |             |
| S 25 N - 8 G - ST                    | Dispersing element, saw-tooth, Ø 8 mm        | 0004446900 | \$ 2,002.00 |
| S 25 N - 10 G - ST                   | Dispersing element, saw-tooth, Ø 10 mm       | 0004447100 | \$ 2,002.00 |
| S 25 N - 18 G - ST                   | Dispersing element, saw-tooth, Ø 18 mm       | 0004447300 | \$ 2,565.00 |
| S 25 N - 25 G - ST                   | Dispersing element, saw-tooth, Ø 25 mm       | 0004447500 | \$ 2,661.00 |
| S 25 N - 8 G                         | Dispersing element, Ø 8 mm                   | 0001024200 | \$ 1,991.00 |
| S 25 N - 10 G                        | Dispersing element, Ø 10 mm                  | 0000594000 | \$ 2,170.00 |
| S 25 N - 18 G                        | Dispersing element, Ø 18 mm                  | 0000593400 | \$ 2,515.00 |
| S 25 KV - 18 G                       | Dispersing element, Ø 18 mm                  | 0002348000 | \$ 2,827.00 |
| S 25 N - 25 G                        | Dispersing element, Ø 25 mm                  | 0001713300 | \$ 2,520.00 |
| S 25 KV - 25 G                       | Dispersing element, Ø 25 mm                  | 0002466900 | \$ 3,020.00 |
| S 25 N - 25 F                        | Dispersing element, Ø 25 mm                  | 0001713800 | \$ 2,450.00 |
| S 25 KV - 25 F                       | Dispersing element, Ø 25 mm                  | 0002404000 | \$ 2,957.00 |
| S 25 KV - 2802                       | Dissolver stirrer, high speed                | 0020008825 | \$ 2,924.00 |
| S 25 D - 10 G - KS                   | Plastic dispersing element, Ø 10 mm, 12 pcs. | 0003452200 | \$ 889.00   |
| S 25 D - 14 G - KS                   | Plastic dispersing element, Ø 14 mm, 12 pcs. | 0003452100 | \$ 889.00   |
| S 25 KD - 18 G                       | Dispersing element, Ø 18 mm                  | 0020002971 | \$ 2,808.00 |
| S 25 KD - 25 G                       | Dispersing element, Ø 25 mm                  | 0020002972 | \$ 2,829.00 |
| S 25 KD - 18 G - ST                  | Dispersing element, saw-tooth, Ø 18 mm       | 0020002973 | \$ 2,873.00 |
| S 25 KD - 25 G - ST                  | Dispersing element, saw-tooth, Ø 25 mm       | 0020002974 | \$ 2,957.00 |
| S 25 KD - 25 F                       | Dispersing element, Ø 25 mm                  | 0020002975 | \$ 2,927.00 |
| Silentstream                         | Flow breaker                                 | 0003754000 | \$ 74.00    |
| S 18/25-ET50                         | Disposable tube                              | 0003452500 | \$ 32.00    |
| TS 25-3                              | Cleaning tool                                | 0020003013 | \$ 257.00   |
| CT.15                                | Cleaning tube                                | 0020006595 | \$ 227.00   |



Silentstream



TS 25-3





S 25 EC - T - C - 25 F



S 50 KG - HH - G 45 G - ST



S 50 N - W 65 SK

| Product                                                     | Description                                     | Ident. No. | Price       |
|-------------------------------------------------------------|-------------------------------------------------|------------|-------------|
| DISPERSING ELEMENTS FOR T 25 EASY CLEAN DIGITAL AND CONTROL |                                                 |            |             |
| S 25 EC - C - 18 G                                          | Dispersing element, Ø 18 mm                     | 0020108996 | \$ 2,391.00 |
| S 25 EC - C - 25 G                                          | Dispersing element, Ø 25 mm                     | 0020108997 | \$ 2,688.00 |
| S 25 EC - C - 25 F                                          | Dispersing element, Ø 25 mm                     | 0025007215 | \$ 2,582.00 |
| S 25 EC - C - 18 G - ST                                     | Dispersing element, Ø 18 mm                     | 0025007399 | \$ 2,609.00 |
| S 25 EC - C - 25 G - ST                                     | Dispersing element, Ø 25 mm                     | 0025002590 | \$ 2,720.00 |
| S 25 EC - T - C - 18 G                                      | Dispersing element, Ø 18 mm, temperature sensor | 0020108998 | \$ 2,525.00 |
| S 25 EC - T - C - 25 G                                      | Dispersing element, Ø 25 mm, temperature sensor | 0020108999 | \$ 2,822.00 |
| S 25 EC - T - C - 18 G - ST                                 | Dispersing element, Ø 18 mm, temperature sensor | 0025007398 | \$ 2,660.00 |
| S 25 EC - T - C - 25 G - ST                                 | Dispersing element, Ø 25 mm, temperature sensor | 0025002595 | \$ 2,957.00 |
| S 25 EC - T - C - 25 F                                      | Dispersing element, Ø 25 mm, temperature sensor | 0025007199 | \$ 2,925.00 |
| HS 25 EC - DW                                               | Holder S 25 EC for dish washer                  | 0025007380 | \$ 119.00   |
| WiCo T 25 easy clean control                                | Wireless remote control                         | 0025006310 | \$ 857.00   |

|                                      |                                               |            |             |
|--------------------------------------|-----------------------------------------------|------------|-------------|
| DISPERSING ELEMENTS FOR T 50 DIGITAL |                                               |            |             |
| S 50 N - G 45 G                      | Dispersing element, Ø 45 mm                   | 0008003000 | \$ 5,003.00 |
| S 50 N - G 45 G - ST                 | Dispersing element, saw-tooth, Ø 45 mm        | 0008039500 | \$ 5,066.00 |
| S 50 N - G 45 M                      | Dispersing element, Ø 45 mm                   | 0008003300 | \$ 5,912.00 |
| S 50 N - G 45 F                      | Dispersing element, Ø 45 mm                   | 0008003900 | \$ 5,877.00 |
| S 50 KG - HH - G 45 G FDA            | Dispersing element, Ø 45 mm                   | 0010000637 | \$ 5,645.00 |
| S 50 KG - HH - G 45 G - ST           | Dispersing element, Ø 45 mm                   | 0010000648 | \$ 5,709.00 |
| S 50 KG - HH - G 45 M FDA            | Dispersing element, Ø 45 mm                   | 0010000638 | \$ 6,118.00 |
| S 50 KG - HH - G 45 F FDA            | Dispersing element, Ø 45 mm                   | 0010000639 | \$ 6,417.00 |
| S 50 KD - G 45 G                     | Dispersing element, Ø 45 mm                   | 0010000629 | \$ 5,389.00 |
| S 50 KD - G 45 G - ST                | Dispersing element, saw-tooth, Ø 45 mm        | 0010000632 | \$ 5,453.00 |
| S 50 KD - G 45 M                     | Dispersing element, Ø 45 mm                   | 0010000630 | \$ 6,014.00 |
| S 50 KD - G 45 F                     | Dispersing element, Ø 45 mm                   | 0010000631 | \$ 6,134.00 |
| R 50                                 | Stirring shaft, high speed                    | 0001689300 | \$ 2,889.00 |
| R 1405                               | Propeller, Ø 45 mm                            | 0001289800 | \$ 551.00   |
| R 1402                               | Dissolver, Ø 42 mm                            | 0001243300 | \$ 793.00   |
| S 50 N - W 65 SK                     | Dispersing element with cutting head, Ø 65 mm | 0008005100 | \$ 6,957.00 |
| S 50 N - W 80 SMK                    | Jet mixer head, Ø 80 mm                       | 0008006300 | \$ 7,029.00 |



S 65 C - G 65 G

S 65 KD - G 65 M



D 80

| Product                                        | Description                 | Ident. No. | Price       |
|------------------------------------------------|-----------------------------|------------|-------------|
| DISPERSING ELEMENTS FOR T 65 BASIC AND DIGITAL |                             |            |             |
| S 65 C - G 65 G                                | Dispersing element, Ø 65 mm | 0010001665 | \$ 7,898.00 |
| S 65 C - G 65 M                                | Dispersing element, Ø 65 mm | 0010001666 | \$ 7,775.00 |
| S 65 C - G 65 F                                | Dispersing element, Ø 65 mm | 0010001667 | \$ 7,834.00 |
| S 65 KG - HH - G 65 G                          | Dispersing element, Ø 65 mm | 0010010765 | \$ 4,580.00 |
| S 65 KG - HH - G 65 M                          | Dispersing element, Ø 65 mm | 0010010767 | \$ 4,726.00 |
| S 65 KG - HH - G 65 F                          | Dispersing element, Ø 65 mm | 0010010768 | \$ 4,972.00 |
| S 65 KD - G 65 G                               | Dispersing element, Ø 65 mm | 0010000641 | \$ 4,451.00 |
| S 65 KD - G 65 M                               | Dispersing element, Ø 65 mm | 0010000642 | \$ 4,572.00 |
| S 65 KD - G 65 F                               | Dispersing element, Ø 65 mm | 0010000643 | \$ 4,726.00 |
| D 60                                           | Dissolver, Ø 60 mm          | 0020008388 | On request  |
| D 80                                           | Dissolver, Ø 80 mm          | 0020008389 | \$ 2,181.00 |

|                                       |                               |            |             |
|---------------------------------------|-------------------------------|------------|-------------|
| INLINE DISPERSER SYSTEM - ACCESSORIES |                               |            |             |
| DK 25.11                              | Flow chamber                  | 0002518000 | \$ 4,688.00 |
| AD 25                                 | Mounting support for DK 25.11 | 0002562500 | \$ 1,036.00 |
| S 25 KV - 25 G-IL                     | Dispersing element            | 0002563000 | \$ 3,795.00 |
| S 25 KV - 25 F-IL                     | Dispersing element            | 0002830200 | \$ 3,795.00 |

NOMENCLATURE DISPERSING ELEMENTS

|                                                                                          |                      |                             |           |
|------------------------------------------------------------------------------------------|----------------------|-----------------------------|-----------|
| Shaft                                                                                    |                      | Outer diameter of stator    | Saw-tooth |
| S 50                                                                                     | KG - HH - G          | 45                          | G - ST    |
| Sealing and bearing                                                                      | Generator or element | Degree of fineness achieved |           |
|                                                                                          |                      | G = Coarse                  |           |
|                                                                                          |                      | M = Medium                  |           |
|                                                                                          |                      | F = Fine                    |           |
|                                                                                          |                      | G = Proved configuration    |           |
|                                                                                          |                      | W = Special element         |           |
| 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 |                      |                             |           |
| C = Ceramic-coated bearing                                                               |                      |                             |           |
| KD = Ball bearing with PTFE seal and FFKM O-ring                                         |                      |                             |           |

All shafts with parts in contact with the product are made of FDA-compliant materials.

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.

MULTIDRIVE BASIC AND CONTROL

/// The all-rounder in coarse and fine crushing

Regardless of whether samples are hard, soft, fibrous, wet or dry – the MultiDrive blender can perform a wide range of crushing tasks involving coarse and fine crushing, thanks to the variety of vessels\* available. With the MultiDrive basic it is possible to mix or grind; MultiDrive control is also fitted with a dispersion vessel and an autoclavable tube. There is a USB interface available for easy actuation and documentation respectively.

HIGH PERFORMANCE

Excellent crushing performance is guaranteed by a combination of variable rotational speeds, ranging from 3000 rpm to 20 000 rpm, and a 1000 W output.

INTERVAL OPERATION

The option of interval programming is simple to activate at the press of a button. Interval operation is an asset during the coarse crushing of hard samples or for extra thorough blending.

INTEGRATED COOLING

A cooling system is integrated in the milling cup, which allows indirect heat dissipation. Thus, coolant and sample remain separate.

ADDITIONAL CONTROL FEATURES:

TEMPERATURE MEASUREMENT

MultiDrive control offers temperature measurement and vessel recognition using RFID. A temperature limit can be set for temperature-sensitive materials, or for specific planned reactions to protect against overheating.

WEIGHING FUNCTION

The weighing function is also integrated into the user-friendly workflow of the IKA MultiDrive control. Weighing is performed before crushing using the same mixing cup, so that no transfer of contents is required.



MultiDrive control\*

\$ 4,367.00  
Ident. No. 0025002644

\* Vessels don't belong to the scope of delivery.

MultiDrive control  
MT Package

\$ 4,605.00  
Ident. No. 0010007100

- › MultiDrive control base unit
- + TC 1 protective housing
- + Autoclavable disposable tubes MT 150.5 (5 pcs.)



MultiDrive control  
BT Package

\$ 4,605.00  
Ident. No. 0010007108

- › MultiDrive control base unit
- + TC 1 protective housing
- + Autoclavable disposable tubes MT 150.5 (5 pcs.)



MultiDrive basic\*

\$ 3,639.00  
Ident. No. 0025002639

\* Vessels don't belong to the scope of delivery.



MultiDrive basic  
M 20 Successor Package

\$ 4,200.00  
Ident. No. 0010010968

- › MultiDrive basic base unit
- + MI 250, 250 ml milling chamber



| TECHNICAL DATA                                     | MULTIDRIVE CONTROL                       | MULTIDRIVE BASIC            |
|----------------------------------------------------|------------------------------------------|-----------------------------|
| Operating principle                                | Cutting / Impact / Blending / Dispersing | Cutting / Impact / Blending |
| Speed range                                        | 3000 – 20 000 rpm                        | 3000 – 20 000 rpm           |
| Useable volume max.                                | 2000 ml                                  | 2000 ml                     |
| Feed hardness max.                                 | 9 Mohs*                                  | 9 Mohs*                     |
| Temperature measurement                            | Yes                                      | –                           |
| Weighing function                                  | Yes                                      | –                           |
| Milling chamber can be cooled with water / dry ice | Yes / Yes                                | Yes / Yes                   |
| Dimensions (W x H x D)                             | 300 x 350 x 250 mm                       | 300 x 350 x 250 mm          |
| Protection class according to DIN EN 60529         | IP 31                                    | IP 31                       |

\* with MI 250.3 or MI 400.3 beater, tungsten carbide



A 10 basic

\$ 2,198.00  
Ident. No. 0025002269



A 11 basic

\$ 2,575.00  
Ident. No. 0002900001



M 20

\$ 7,140.00  
Ident. No. 0001603603

For dry grinding  
of hard and brittle  
substances



MF 10 basic

\$ 4,746.00  
Ident. No. 0002836001

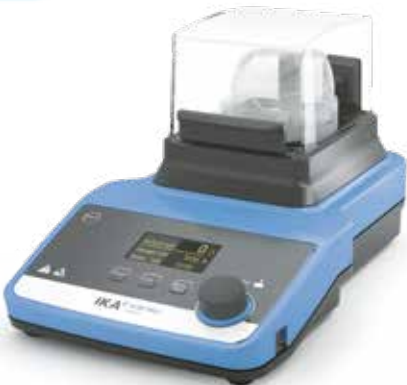


Two different  
grinding heads can  
be attached to the  
drive, [see Page 87](#)

| TECHNICAL DATA                                                        | A 10 BASIC         | A 11 BASIC       | M 20               | MF 10 BASIC        |
|-----------------------------------------------------------------------|--------------------|------------------|--------------------|--------------------|
| Process type                                                          | Batch              | Batch            | Batch              | Inline             |
| Operating principle                                                   | Cutting / Impact   | Cutting / Impact | Cutting / Impact   | Cutting / Impact   |
| Speed max.                                                            | 25 000 rpm         | 28 000 rpm       | 20 000 rpm         | 3000 – 6500 rpm    |
| Useable volume max.                                                   | 50 ml              | 80 ml            | 250 ml             | –                  |
| Feed hardness                                                         | 5 Mohs             | 6 Mohs           | 5 Mohs             | 6 Mohs (MF 10.2)   |
| Milling chamber, can be cooled with water / dry ice / liquid nitrogen | Yes / Yes / No     | No / Yes / Yes   | Yes / Yes / No     | No / Yes / No      |
| Dimensions (W x H x D)                                                | 130 x 250 x 145 mm | 85 x 240 x 85 mm | 170 x 350 x 170 mm | 320 x 380 x 300 mm |
| Protection class according to DIN EN 60529                            | IP 41              | IP 43            | IP 21              | IP 22              |

Tube Mill control

\$ 3,637.00  
Ident. No. 0004180001



reddot design award  
winner 2013

German  
Design Award  
NOMINEE 2015

Tube Mill 100 control

\$ 4,079.00  
Ident. No. 0020007145



Designed for grinding  
chambers with max.  
100 ml



| TECHNICAL DATA                                                        | TUBE MILL CONTROL  | TUBE MILL 100 CONTROL |
|-----------------------------------------------------------------------|--------------------|-----------------------|
| Process type                                                          | Batch              | Batch                 |
| Operating principle                                                   | Cutting / Impact   | Cutting / Impact      |
| Speed max.                                                            | 25 000 rpm         | 25 000 rpm            |
| Circumferential speed max.                                            | 65 m/s             | 65 m/s                |
| Useable volume max.                                                   | 40 ml              | 100 ml                |
| Feed hardness max.                                                    | 5 Mohs             | 5 Mohs                |
| Milling chamber, can be cooled with water / dry ice / liquid nitrogen | No / Yes / No      | No / Yes / No         |
| Dimensions (W x H x D)                                                | 180 x 170 x 300 mm | 180 x 212 x 300 mm    |
| Protection class according to DIN EN 60529                            | IP 30              | IP 30                 |





DI 2000-T



MI 250 T-S



TC 1



MT 40.10 steril



MMT 100

| \$300                                                      | Description                                                                | Ident. No. | Price       |
|------------------------------------------------------------|----------------------------------------------------------------------------|------------|-------------|
| ACCESSORIES MULTIDRIVE                                     |                                                                            |            |             |
| BL 2000                                                    | Blender vessel, 2000 ml                                                    | 0025003961 | \$ 764.00   |
| BL 2000-T                                                  | Blender vessel, 2000 ml, Temperature measurement                           | 0025003962 | \$ 918.00   |
| CS 1                                                       | Ersatz-Filterschaum für Deckel, 5 St.                                      | 0020113275 | \$ 32.00    |
| MI 250-S                                                   | Milling chamber, 250 ml, sealed                                            | 0020112097 | \$ 1,112.00 |
| MI 400-S                                                   | Milling chamber, 400 ml, sealed                                            | 0020112099 | \$ 1,167.00 |
| MI 250 T-S                                                 | Milling chamber, 250 ml, temp. measurement, sealed                         | 0020112098 | \$ 1,350.00 |
| MI 400 T-S                                                 | Milling chamber, 400 ml, temp. measurement, sealed                         | 0020112100 | \$ 1,299.00 |
| DI 2000-T                                                  | Dispersing vessel, 2000 ml, Temperature measurement                        | 0025003960 | \$ 1,376.00 |
| BL 2000.1                                                  | Standard blend knife, stainless steel                                      | 0020023169 | \$ 174.00   |
| MI 250.1                                                   | Standard beater, stainless steel                                           | 0020023166 | \$ 104.00   |
| MI 250.2                                                   | Star-shaped cutter, stainless steel                                        | 0020023167 | \$ 202.00   |
| MI 250.3                                                   | Beater, tungsten carbide                                                   | 0020023168 | \$ 439.00   |
| MI 400.1                                                   | Standard beater, stainless steel                                           | 0020023170 | \$ 132.00   |
| MI 400.2                                                   | Star-shaped cutter, stainless steel                                        | 0020023171 | \$ 231.00   |
| MI 400.3                                                   | Beater, tungsten carbide                                                   | 0020023172 | \$ 484.00   |
| TC 1                                                       | Protective housing for MT 150 and BT 250                                   | 0020023489 | \$ 159.00   |
| MT 150.5*                                                  | Milling tube, autoclavable, 150 ml, 5 pcs. (incl. TS 1)                    | 0020023173 | \$ 154.00   |
| BT 250.5*                                                  | Blending tube, autoclavable, 250 ml, 5 pcs. (incl. TS 1)                   | 0020023174 | \$ 168.00   |
| TS 1                                                       | Spare seal with reactivation code, 5 pcs.                                  | 0020023490 | \$ 39.00    |
| * TC 1 protective housing is mandatory to operate the tube |                                                                            |            |             |
| ACCESSORIES TUBE MILL CONTROL                              |                                                                            |            |             |
| MT 40.10                                                   | Disposable grinding chamber, 40 ml, 10 pcs.                                | 0004425000 | \$ 152.00   |
| MT 40.100                                                  | Disposable grinding chamber, 40 ml, 100 pcs.                               | 0020001173 | \$ 1,261.00 |
| MTC 40/100.100                                             | Cover for disposable grinding chamber, 100 pcs.                            | 0020001182 | \$ 137.00   |
| MT 40.10 steril                                            | Disposable grinding chamber, sterile, 40 ml, 10 pcs.                       | 0020001984 | \$ 300.00   |
| MT 40 P.10                                                 | Disposable grinding chamber, bended beater, 40 ml, 10 pcs.                 | 0020017838 | \$ 219.00   |
| MT 40 P.100                                                | Disposable grinding chamber, bended beater, 40 ml, 100 pcs.                | 0020011531 | \$ 1,287.00 |
| MT 100.10                                                  | Disposable grinding chamber, 100 ml, 10 pcs.                               | 0020008386 | \$ 173.00   |
| MT 100.10 steril                                           | Disposable grinding chamber, sterile, 100 ml, 10 pcs.                      | 0020012571 | \$ 401.00   |
| MT 100.50                                                  | Disposable grinding chamber, 100 ml, 50 pcs.                               | 0020006984 | \$ 662.00   |
| MMT 40.1                                                   | Multi-use milling tube, 40 ml                                              | 0020003165 | \$ 398.00   |
| MMT 100.1                                                  | Multi-use milling tube, 100 ml                                             | 0020016315 | \$ 420.00   |
| MTT 40.10                                                  | Disposable grinding chamber, titanium beater, 40 ml, 10 pcs.               | 0020015380 | \$ 225.00   |
| MTT 100.10                                                 | Disposable grinding chamber, titanium beater, 100 ml, 10 pcs.              | 0020019576 | \$ 456.00   |
| A-MMT.100                                                  | Abrasion set for MMT 40.1   MMT 100.1, 100 sealing, 5 beaters, 5 couplings | 0020003378 | \$ 274.00   |



CIS-LAB



CIS-LAB



CIS-LAB



A 10.1



A 10.3



A 11.1



A 11.2



A 11.3



M 23



MF 10.2



CIS-LAB



CIS-LAB



CIS-LAB

| Product                | Description                                           | Ident. No. | Price     |
|------------------------|-------------------------------------------------------|------------|-----------|
| ACCESSORIES A 10 BASIC |                                                       |            |           |
| A 10.1                 | Stainless steel cutter                                | 0025001680 | \$ 113.00 |
| A 10.2                 | Star-shaped cutter                                    | 0025001162 | \$ 204.00 |
| A 10.3                 | Hard metal cutter                                     | 0025001161 | \$ 647.00 |
| A 10.4                 | Grinding chamber reduction                            | 0025001664 | \$ 245.00 |
| ACCESSORIES A 11 BASIC |                                                       |            |           |
| A 11.1                 | Spare beater, stainless steel                         | 0002904600 | \$ 97.00  |
| A 11.2                 | Cutting blade, stainless steel                        | 0002905200 | \$ 229.00 |
| A 11.3                 | Beater, stainless steel, coated with chromium carbide | 0002983000 | \$ 332.00 |
| A 11.4                 | Grinding chamber, polyamide, 250 ml                   | 0002904100 | \$ 321.00 |
| A 11.5                 | Spare grinding chamber, Tefcel, 80 ml                 | 0002983100 | \$ 436.00 |
| A 11.6                 | Double beater, titanium                               | 0003302900 | \$ 653.00 |
| A 11.7                 | Funnel, PTFE                                          | 0003048700 | \$ 536.00 |



A 11.4



A 11.5



A 11.6



A 11.7

|                         |                                     |            |             |
|-------------------------|-------------------------------------|------------|-------------|
| ACCESSORIES M 20        |                                     |            |             |
| M 21                    | Spare cutter, stainless steel       | 0000328200 | \$ 168.00   |
| M 22                    | Hard metal cutter, tungsten carbide | 0000521800 | \$ 799.00   |
| M 23                    | Star-shaped cutter, stainless steel | 0001443400 | \$ 645.00   |
| M 20.1                  | Grinding chamber, 250 ml            | 0008006200 | \$ 4,255.00 |
| ACCESSORIES MF 10 BASIC |                                     |            |             |
| MF 10.1                 | Cutting-grinding head               | 0002870900 | \$ 3,398.00 |
| MF 10.2                 | Impact-grinding head                | 0002871000 | \$ 2,894.00 |

|         |                  |            |           |
|---------|------------------|------------|-----------|
| SIEVES  |                  |            |           |
| MF 0.25 | Sieve, Ø 0.25 mm | 0002938900 | \$ 561.00 |
| MF 0.5  | Sieve, Ø 0.5 mm  | 0002939000 | \$ 561.00 |
| MF 1.0  | Sieve, Ø 1 mm    | 0002939200 | \$ 561.00 |
| MF 2.0  | Sieve, Ø 2 mm    | 0002939400 | \$ 561.00 |
| MF 3.0  | Sieve, Ø 3 mm    | 0002939500 | \$ 561.00 |
| MF 4.0  | Sieve, Ø 4 mm    | 0002939600 | \$ 946.00 |



MF 0.25



MF 1.0



MF 2.0



MF 4.0



Display viscosity changes through sensitive torque measuring sensor: the new STARVISC measuring stirrers makes it possible. The device covers a broad range of applications and is particularly helpful during product development: STARVISC already clearly indicates while running research programmes as to whether the stirred substance can be used as desired.

### STARVISC 200-2.5 CONTROL

/// The only device that can do everything at the same time



#### HIGH-PRECISION MEASUREMENT

During the mixing process a highly sensitive torque measuring sensor allows further conclusions on viscosity changes, directly in the product. This eliminates the regular sampling, rather time consuming offline measurement process.

#### VISCOSITY CALCULATION

The viscosity can be correlated from the torque readings based on a well defined set-up under reproducible conditions.

#### REMOVABLE CONTROL UNIT

The modern TFT display is removable. This means that STARVISC can also be controlled from a safe distance.

#### POWERFUL STIRRER

Even highly viscous substances can be intensively stirred using the powerful STARVISC stirrer. Quantities of up to 100 liters can be processed.

### STARVISC 200-2.5 control

\$ 9,210.00

Ident. No. 0020006998



Torque sensor

#### TECHNICAL DATA

|                                            |                   |
|--------------------------------------------|-------------------|
| Stirring quantity max. (H <sub>2</sub> O)  | 100 l             |
| Torque max. at stirring shaft              | 200 Ncm           |
| Torque I max.                              | 200 Ncm           |
| Torque II max.                             | 40 Ncm            |
| Speed range I (high torque)                | 0   6 – 400 rpm   |
| Speed range II (high speed)                | 0   30 – 2000 rpm |
| Display                                    | TFT               |
| Viscosity max.                             | 100 000 mPas      |
| Dimensions (W x H x D)                     | 91 x 395 x 231 mm |
| Protection class according to DIN EN 60529 | IP 40             |

#### STARVISC 200-2.5 CONTROL

| Name                                 | Description                                                                       | Ident. No. | Price        |
|--------------------------------------|-----------------------------------------------------------------------------------|------------|--------------|
| ACCESSORIES STARVISC 200-2.5 CONTROL |                                                                                   |            |              |
| STIRRING ELEMENTS                    |                                                                                   |            |              |
| R 1302                               | Dissolver stirrer, Ø 100 mm                                                       | 0002387900 | \$ 946.00    |
| R 1330                               | Anchor stirrer, Ø 45 mm                                                           | 0002022300 | \$ 456.00    |
| R 1331                               | Anchor stirrer, Ø 90 mm                                                           | 0002022400 | \$ 508.00    |
| R 1345                               | Propeller stirrer, 4-bladed, Ø 100 mm                                             | 0000741300 | \$ 358.00    |
| R 1375                               | Paddle stirrer, Ø 70 mm                                                           | 0000757700 | \$ 460.00    |
| BOSS HEAD CLAMPS                     |                                                                                   |            |              |
| R 270                                | Boss head clamp, clamping range Ø 25 – 36 mm                                      | 0002657800 | \$ 63.00     |
| R 271                                | Boss head clamp, clamping range Ø 34 mm                                           | 0002664000 | \$ 93.00     |
| STANDS                               |                                                                                   |            |              |
| R 2722                               | H-stand, 1010 mm                                                                  | 0001412000 | \$ 624.00    |
| R 2723                               | Telescopic stand, H 620 – 1010 mm                                                 | 0001412100 | \$ 680.00    |
| SOFTWARE                             |                                                                                   |            |              |
| labworldsoft® 6 Visc                 | Laboratory software for ROTAVISC - download                                       | 0020101872 | \$ 1,508.00  |
| labworldsoft® 6 Starter              | For configurations up to 3 devices                                                | 0020019397 | \$ 6,903.00  |
| labworldsoft® 6 Pro                  | For all configurations – any number of devices can be controlled at the same time | 0020017366 | \$ 16,224.00 |



R 1302



R 1330



R 1331



R 1345



R 1375

“Flow” is the term used to describe the wonderful mental state in which everything moves along by itself. And with the IKA viscometers, the perfect flow also comes to your laboratory. The IKA ROTAVISC range determines the viscosity of liquids in all applications, from the laboratory to quality control. Stepless, fast and accurate. The measuring process is intuitive and standardized, as well as working with the well-known IKA menu structure for laboratory devices. There are four instruments for different viscosity ranges, the attractive Complete and HELI packages, and brand new: an instrument variant with ball bearing technology.

### ROTAVISC SBS /// The viscometer with ball bearing

The ROTAVISC SBS viscometer complements our ROTAVISC series: In these instruments, a robust ball bearing (Steel Ball Bearing Suspending) replaces the classic jewel bearing. The operation corresponds to the well-known user-friendly principle of the entire ROTAVISC series.

NEW: Now with printing function via RS 232 interface



FOR HEAVY USE

This ball bearing cannot be overused at all. When changing the spindle, you also no longer have to lift the coupling shaft. We recommend a viscometer in the SBS variant especially for:

- › very high sample throughput
- › rather rough environment / handling
- › frequent spindle change
- › frequent change of location of the device

COMBINE AND UPGRADE

In the SBS variant, the ROTAVISC me-vi, hi-vi I and hi-vi II viscometer models are now available as Complete and HELI Packages. Do you have a viscometer with jewel bearings? Then we can upgrade it to a ball bearing model if requested. Only ROTAVISC lo-vi for the low viscosity range will continue to be manufactured only with jewel bearings.

NEW SPINDLE HOLDER

Also new is the SP-RACK spindle holder for ROTAVISC spindles. It is made of stainless steel (AISI 304 / 1.4301) and offers space for up to twelve different spindles, depending on the spindle size. Here they can be stored near the viscometers or hung up for drying.

NEW: Ball Bearing Technology

① ROTAVISC lo-vi  
HELI Complete  
\$ 4,799.00  
Ident. No. 0025008214

② ROTAVISC me-vi  
HELI Complete  
\$ 4,799.00  
Ident. No. 0025008216

③ ROTAVISC hi-vi I  
HELI Complete  
\$ 4,799.00  
Ident. No. 0025008217

④ ROTAVISC hi-vi II  
HELI Complete  
\$ 4,799.00  
Ident. No. 0025008218



① ROTAVISC SBS me-vi  
HELI Complete  
\$ 6,025.00  
Ident. No. 0010007717

② ROTAVISC SBS hi-vi I  
HELI Complete  
\$ 6,025.00  
Ident. No. 0010007689

③ ROTAVISC SBS hi-vi II  
HELI Complete  
\$ 6,025.00  
Ident. No. 0010007704



| TECHNICAL DATA                             | ROTAVISC HELI COMPLETE                                   |
|--------------------------------------------|----------------------------------------------------------|
| Viscosity accuracy                         | ± 1 % FSR                                                |
| Viscosity repeatability                    | 0.2 % FSR                                                |
| Display                                    | TFT                                                      |
| Working temperature                        | Min.: -100 °C<br>Max.: +300 °C                           |
| Speed                                      | 0.01 – 200 rpm                                           |
| Speed setting accuracy                     | in range 0.01 – 1: 0.01 rpm<br>in range 1 – 200: 0.1 rpm |
| Temperature measurement resolution         | 0.1 K                                                    |
| Connection for ext. temperature sensor     | PT 100                                                   |
| Interfaces                                 | USB, RS 232                                              |
| Dimensions (W x H x D)                     | 351 x 629 x 372 mm                                       |
| Weight                                     | 7.1 kg                                                   |
| Protection class according to DIN EN 60529 | IP 40                                                    |

| TECHNICAL DATA                             | HELISTAND          |
|--------------------------------------------|--------------------|
| Stroke max.                                | 142 mm             |
| Diameter                                   | 16 mm              |
| Dynamic load                               | 3.2 kg             |
| Overload protection                        | Yes                |
| Height adjustable safety switch            | Yes                |
| Dimensions (W x H x D)                     | 351 x 343 x 252 mm |
| Weight                                     | 5.5 kg             |
| Protection class according to DIN EN 60529 | IP 40              |



- ① **ROTAVISC lo-vi Complete**  
\$ 3,850.00  
Ident. No. 0025000310
- ② **ROTAVISC me-vi Complete**  
\$ 3,850.00  
Ident. No. 0025000311
- ③ **ROTAVISC hi-vi I Complete**  
\$ 3,850.00  
Ident. No. 0025000312
- ④ **ROTAVISC hi-vi II Complete**  
\$ 3,850.00  
Ident. No. 0025000313



- NEW: Ball Bearing Technology
- ① **ROTAVISC SBS me-vi Complete**  
\$ 4,979.00  
Ident. No. 0010007714
  - ② **ROTAVISC SBS hi-vi I Complete**  
\$ 4,979.00  
Ident. No. 0010007686
  - ③ **ROTAVISC SBS hi-vi II Complete**  
\$ 4,979.00  
Ident. No. 0010007701



| TECHNICAL DATA                             | ROTAVISC                                                 |
|--------------------------------------------|----------------------------------------------------------|
| Viscosity accuracy                         | ± 1 % FSR                                                |
| Viscosity repeatability                    | 0.2 % FSR                                                |
| Display                                    | TFT                                                      |
| Working temperature                        | Min.: -100 °C<br>Max.: +300 °C                           |
| Speed                                      | 0.01 – 200 rpm                                           |
| Speed setting accuracy                     | in range 0.01 – 1: 0.01 rpm<br>in range 1 – 200: 0.1 rpm |
| Temperature measurement resolution         | 0.1 K                                                    |
| Connection for ext. temperature sensor     | PT 100                                                   |
| Interfaces                                 | USB, RS 232                                              |
| Dimensions (W x H x D)                     | 351 x 629 x 372 mm                                       |
| Weight                                     | 7.1 kg                                                   |
| Protection class according to DIN EN 60529 | IP 40                                                    |

| MEASURING RANGES           |                        |
|----------------------------|------------------------|
| <b>ROTAVISC lo-vi</b>      |                        |
| Viscosity measuring range* | 1 – 6 000 000 mPas     |
| <b>ROTAVISC me-vi</b>      |                        |
| Viscosity measuring range  | 100 – 40 000 000 mPas  |
| <b>ROTAVISC hi-vi I</b>    |                        |
| Viscosity measuring range  | 200 – 80 000 000 mPas  |
| <b>ROTAVISC hi-vi II</b>   |                        |
| Viscosity measuring range  | 800 – 320 000 000 mPas |

\* 1 mPas with ELVAS-1

Our product portfolio is ideally oriented towards viscosity measurement in the following fields of application:

- lo-vi** // for juices, solvents, edible oils, inks, liquid soaps
- me-vi** // for paints / varnishes, mayonnaise, dairy products, ketchup
- hi-vi I & hi-vi II** // for pastes, ointments, molasses, gels



VISCOSITY MEASUREMENT IN MOTION

The ROTAVISC HELI Complete packages include both a viscometer and stand, and are ideal for highly viscous samples. A static viscometer would run empty here. Highly viscous samples would simply be forced to the edge by the rotational movements. The HELISTAND prevents this and provides meaningful viscosity measurements by slowly moving the incorporated T-spindles up and down.

Using, installing and cleaning the HELISTAND couldn't be easier. The ROTAVISC viscometer is simply placed onto the stand's drive motor and the T-shaped needle spindle is attached to the viscometer.



ROTASTAND



SP RACK



HELISTAND

| Product              | Description                                 | Ident. No. | Price       |
|----------------------|---------------------------------------------|------------|-------------|
| STANDS               |                                             |            |             |
| ROTASTAND            | Stand for ROTAVISC                          | 0020006787 | \$ 986.00   |
| HELISTAND            | Electrical stand for ROTAVISC               | 0020026649 | \$ 1,206.00 |
| HELISTAND Set        | Electrical stand incl. T-spindle set        | 0025008224 | \$ 1,863.00 |
| SP RACK              | Spindle rack                                | 0020104809 | \$ 112.00   |
| SOFTWARE             |                                             |            |             |
| labworldsoft® 6 Visc | Laboratory software for ROTAVISC - download | 0020101872 | \$ 1,508.00 |



HELISTAND Set  
(HELISTAND + T-SP-Set)



Adapter: DINS-1



Adapter: O DIN S-1



Adapter: VOLS-1



Hook Connector

Quick Connector



Spindle set: VAN-1

| Product     | Description                                                | Ident. No. | Price       |
|-------------|------------------------------------------------------------|------------|-------------|
| ADAPTERS    |                                                            |            |             |
| DINS-1      | DIN adapter set                                            | 0025000387 | \$ 1,602.00 |
| O DIN S-1   | Open DIN adapter set                                       | 0025000326 | \$ 1,602.00 |
| SAS-1       | Spiral adapter set                                         | 0025000377 | \$ 930.00   |
| ELVAS-1     | Extremely low viscosity adapter set                        | 0025000390 | \$ 1,176.00 |
| VOLS-1      | Low volume adapter set                                     | 0025000352 | \$ 1,149.00 |
| VOLS-1 flex | Adapter set for small volumes, without spindle and chamber | 0020114188 | \$ 798.00   |

|                         |                                                    |            |             |
|-------------------------|----------------------------------------------------|------------|-------------|
| ACCESSORIES VISCOMETERS |                                                    |            |             |
| DWB 600                 | Double-walled beaker 600 ml                        | 0020024575 | \$ 1,116.00 |
| BH 600                  | Clamp for 600 ml beaker                            | 0025000400 | \$ 176.00   |
| Hook Connector          | Hook connector for spindles                        | 0025000338 | \$ 349.00   |
| Quick Connector         | Quick connector for spindles                       | 0025000339 | \$ 354.00   |
| PT 100.8                | Temperature sensor, stainless steel, Ø 3 mm, 75 mm | 0025000413 | \$ 86.00    |

|             |                                   |            |           |
|-------------|-----------------------------------|------------|-----------|
| SPINDLE SET |                                   |            |           |
| SP set-1    | Standard spindle set (SP1 - SP4)  | 0025000319 | \$ 269.00 |
| SP set-2    | Standard spindle set (SP7 - SP12) | 0025000329 | \$ 228.00 |
| T-SP-Set    | T-spindle set                     | 0025007765 | \$ 587.00 |
| VAN-1       | Vane spindle set                  | 0025000407 | \$ 823.00 |



SP-5

SP-6

T-SP-6 – T-SP-1

VOL-SP-7.1

VOL-SP-2.1

VOL-SP-9

VOL-SP-11

| Product         | Description                     | Ident. No. | Price     |
|-----------------|---------------------------------|------------|-----------|
| SPINDLES SINGLE |                                 |            |           |
| SP-1            | Standard spindle                | 0025006828 | \$ 121.00 |
| SP-2            | Standard spindle                | 0025006829 | \$ 109.00 |
| SP-3            | Standard spindle                | 0025006830 | \$ 107.00 |
| SP-4            | Standard spindle                | 0025006831 | \$ 102.00 |
| SP-5            | Standard spindle                | 0025006832 | \$ 184.00 |
| SP-6            | Standard spindle                | 0025006833 | \$ 184.00 |
| SP-7            | Standard spindle                | 0025006834 | \$ 86.00  |
| SP-8            | Standard spindle                | 0025006835 | \$ 143.00 |
| SP-9            | Standard spindle                | 0025006836 | \$ 81.00  |
| SP-10           | Standard spindle                | 0025006837 | \$ 78.00  |
| SP-11           | Standard spindle                | 0025006838 | \$ 75.00  |
| SP-12           | Standard spindle                | 0025006839 | \$ 58.00  |
| T-SP-1          | T-spindle                       | 0025008238 | \$ 74.00  |
| T-SP-2          | T-spindle                       | 0025008239 | \$ 74.00  |
| T-SP-3          | T-spindle                       | 0025008240 | \$ 74.00  |
| T-SP-4          | T-spindle                       | 0025008241 | \$ 74.00  |
| T-SP-5          | T-spindle                       | 0025008242 | \$ 74.00  |
| T-SP-6          | T-spindle                       | 0025008243 | \$ 74.00  |
| T-SP-nut        | T-spindle nut                   | 0020108874 | \$ 65.00  |
| T-SP-coupling   | T-spindle coupling              | 0020108842 | \$ 107.00 |
| VAN-SP-1        | Vane spindle                    | 0025006853 | \$ 490.00 |
| VAN-SP-2        | Vane spindle                    | 0025006854 | \$ 398.00 |
| VAN-SP-3        | Vane spindle                    | 0025006855 | \$ 363.00 |
| VAN-SP-4        | Vane spindle                    | 0025006856 | \$ 331.00 |
| VAN-SP-5        | Vane spindle                    | 0025008376 | \$ 398.00 |
| S-SP            | Spiralspindel                   | 0025006843 | \$ 210.00 |
| S-C-1           | Chamber for S-SP spiral spindle | 0020108896 | \$ 649.00 |
| SCB             | Spindle brush for S-SP          | 0020108882 | \$ 58.00  |
| VOL-SP-6.7      | Spindle for VOLS-1, 6.7 ml      | 0025006845 | \$ 424.00 |
| VOL-SP-7.1      | Spindle for VOLS-1, 7.1 ml      | 0025006849 | \$ 412.00 |
| VOL-SP-16.1     | Spindle for VOLS-1, 16.1 ml     | 0025006848 | \$ 412.00 |
| VOL-SP-10.4     | Spindle for VOLS-1, 10.4 ml     | 0025006850 | \$ 412.00 |
| VOL-SP-11       | Spindle for VOLS-1, 11 ml       | 0025006851 | \$ 412.00 |
| VOL-SP-13.5     | Spindle for VOLS-1, 13.5 ml     | 0025006852 | \$ 412.00 |
| VOL-SP-9        | Spindle for VOLS-1, 9 ml        | 0025006846 | \$ 412.00 |
| VOL-SP-9.4      | Spindle for VOLS-1, 9.4 ml      | 0025006847 | \$ 412.00 |
| VOL-SP-2.1      | Spindle for 2.1 ml chamber      | 0025007061 | \$ 412.00 |

VOL-C-RTD-3.8

VOL-C-RTD-4.2

CAL-O-5

CAL-O-100000

| Product       | Description                           | Ident. No. | Price     |
|---------------|---------------------------------------|------------|-----------|
| VOL-C-RTD-1   | VOL-C-RTD-1 chamber                   | 0025007603 | \$ 468.00 |
| VOL-C-RTD-2.1 | 2.1 ml chamber for VOLS-1             | 0025007064 | \$ 467.00 |
| VOL-SP-3.8    | Spindle for 3.8 ml chamber            | 0025007062 | \$ 424.00 |
| VOL-C-RTD-3.8 | 3.8 ml chamber for VOLS-1             | 0025007065 | \$ 467.00 |
| VOL-SP-4.2    | Spindle for 4.2 ml chamber            | 0025007063 | \$ 424.00 |
| VOL-C-RTD-4.2 | 4.2 ml chamber for VOLS-1             | 0025007066 | \$ 467.00 |
| VOLS 1.11     | Extension connector                   | 0020107301 | \$ 111.00 |
| VOLS 1.21     | Cover for VOLS chamber                | 0020108881 | \$ 32.00  |
| ELVAS-SP      | ELVAS Spindle                         | 0025006844 | \$ 354.00 |
| ELVAS-C       | ELVAS sample chamber (open)           | 0020107138 | \$ 361.00 |
| ELVAS-C-C     | Closed chamber for ELVAS-1            | 0025008373 | \$ 361.00 |
| DIN-SP-5      | DIN spindle 5                         | 0025006840 | \$ 386.00 |
| DIN-SP-6      | DIN spindle 6                         | 0025006841 | \$ 386.00 |
| DIN-SP-7      | DIN spindle 7                         | 0025006842 | \$ 386.00 |
| DIN-C-1       | Chamber for DIN-SP-5                  | 0020108883 | \$ 396.00 |
| DIN-C-2       | Chamber for DIN-SP-6, DIN-SP-7        | 0020108885 | \$ 396.00 |
| O-DIN-C-1     | Open chamber for DIN-SP-5             | 0020108887 | \$ 347.00 |
| O-DIN-C-2     | Open chamber for DIN-SP-6             | 0020108888 | \$ 347.00 |
| O-DIN-C-3     | Open chamber for DIN-SP-7             | 0020108889 | \$ 347.00 |
| CC-1          | Chamber cap (6 pcs.) for ELVAS / DINS | 0020107043 | \$ 35.00  |

| STANDARD SILICONE OILS |                                                    |            |           |
|------------------------|----------------------------------------------------|------------|-----------|
| CAL-O-5                | Standard silicone oil, 5 mPas, 25 °C, 500 ml       | 0025000397 | \$ 171.00 |
| CAL-O-10               | Standard silicone oil, 10 mPas, 25 °C, 500 ml      | 0025000398 | \$ 171.00 |
| CAL-O-50               | Standard silicone oil, 50 mPas, 25 °C, 500 ml      | 0025000399 | \$ 171.00 |
| CAL-O-100              | Standard silicone oil, 100 mPas, 25 °C, 500 ml     | 0025000434 | \$ 171.00 |
| CAL-O-500              | Standard silicone oil, 500 mPas, 25 °C, 500 ml     | 0025000435 | \$ 171.00 |
| CAL-O-1000             | Standard silicone oil, 1000 mPas, 25 °C, 500 ml    | 0025000436 | \$ 171.00 |
| CAL-O-5000             | Standard silicone oil, 5000 mPas, 25 °C, 500 ml    | 0025000437 | \$ 171.00 |
| CAL-O-12500            | Standard silicone oil, 12 500 mPas, 25 °C, 500 ml  | 0025000466 | \$ 171.00 |
| CAL-O-30000            | Standard silicone oil, 30 000 mPas, 25 °C, 500 ml  | 0025000467 | \$ 171.00 |
| CAL-O-60000            | Standard silicone oil, 60 000 mPas, 25 °C, 500 ml  | 0025000468 | \$ 171.00 |
| CAL-O-100000           | Standard silicone oil, 100 000 mPas, 25 °C, 500 ml | 0025000469 | \$ 171.00 |

IKA's small but excellent product group of vacuum pumps is perfectly suitable for many dry and oil-free applications in the laboratory. The devices stand out due to their high suction capacity and ease of service. Their membranes are particularly chemical resistant as well. The diaphragm vacuum pumps are suitable for many vacuum tasks in the lab such as separation, filtration or degassing. They are even suitable to construct a laboratory vacuum system in which you can switch any number of vacuum controllers in series according to the application. In addition, they perfectly complement IKA's rotary evaporators or laboratory reactors.

VC 10 LITE AND PRO

Vacuum controllers for all applications

Universal vacuum controller VC 10 lite and pro for controlled evacuation of air (gas) from laboratory equipment as well as for classical separation, filtration or drying tasks in the laboratory.

For additional safety for the user and the environment, it is recommended to use the vacuum safety emission condenser VSE 1, which prevents solvents from entering the ambient air.

The controllers are ready for use in numerous applications and are easy to install. The integrated valve cleaning function guarantees a particularly long service life of the vacuum system. By venting the system, solvent pressure levels in the pump can be completely removed.

Everything from one source



VACSTAR digital

\$ 2,726.00  
Ident. No. 0020016237



Automatic cleaning function for increased service life



VACSTAR control

\$ 4,856.00  
Ident. No. 0020109376

TECHNICAL DATA

|                                       | VACSTAR DIGITAL   VACSTAR CONTROL        |
|---------------------------------------|------------------------------------------|
| Pump rate max.                        | 1.32 m³/ h                               |
| Max. pumping capacity                 | 22 l/ min                                |
| Boiling point detection               | No   Yes                                 |
| Solvent library                       | No   Yes                                 |
| Speed range                           | 285 – 1200 rpm                           |
| Vacuum sensor                         | No   Yes                                 |
| Two-point control                     | Yes   No                                 |
| Min. input pressure                   | 2 mbar                                   |
| Max. input pressure                   | 1030 mbar                                |
| Dimensions (W x H x D)                | 150 x 375 x 370 mm<br>270 x 435 x 500 mm |
| Protection class acc. to DIN EN 60529 | IP 20                                    |
| RS 232 / USB interface                | Yes                                      |

| Product                                    | Ident. No. | Price     |
|--------------------------------------------|------------|-----------|
| ACCESSORIES VACSTAR DIGITAL AND CONTROL    |            |           |
| VSW 1 vacuum safety woulff bottle          | 0020015406 | \$ 841.00 |
| VSE 1 vacuum safety emission               | 0035001873 | \$ 880.00 |
| VH.SI.8 vacuum hose, silicone, Ø 8 mm, 1 m | 0020013886 | \$ 64.00  |



VSW 1

VSE 1



MVP 10 basic  
\$ 2,325.00  
Ident. No. 0003980001



| TECHNICAL DATA                        | MVP 10 BASIC       |
|---------------------------------------|--------------------|
| Max. pumping capacity                 | 28.3 l / min       |
| Max. pump rate                        | 1.7 m³/ h          |
| Speed range                           | 1380 – 1680 rpm    |
| Vacuum sensor                         | No                 |
| Min. input pressure                   | 7 mbar             |
| Max. input pressure                   | 1050 mbar          |
| Dimensions (W x H x D)                | 245 x 155 x 320 mm |
| Protection class acc. to DIN EN 60529 | IP 54              |
| Voltage                               | 230 / 115 / 100 V  |

| Product                            | Ident. No. | Price       |
|------------------------------------|------------|-------------|
| ACCESSORIES MVP 10 BASIC           |            |             |
| VCV 1 vacuum control valve manual  | 0020004850 | \$ 1,065.00 |
| VCV 2 vacuum control valve digital | 0020004893 | \$ 1,401.00 |
| VSS 1 vacuum safety set            | 0020005194 | \$ 1,254.00 |
| VC 10.500 Stand pole               | 0035002702 | \$ 70.00    |
| PC 1.3 Data cable                  | 0025005322 | \$ 53.00    |
| PT 100.60 Temperature sensor       | 0003516800 | \$ 287.00   |
| Y hose connector 8 mm              | 0020010963 | \$ 12.00    |



VSS 1



VCV 1



VC 10.300



VC 10.400



① VC 10 lite  
\$ 1,255.00  
Ident. No. 0020111998

② VC 10 pro  
\$ 1,890.00  
Ident. No. 0020112031

NEW!



| TECHNICAL DATA                        | VC 10 LITE | VC 10 PRO         |
|---------------------------------------|------------|-------------------|
| Vacuum sensor                         |            | Yes               |
| Min. input pressure                   |            | 1 mbar            |
| Max. input pressure                   |            | 1050 mbar         |
| Boiling point detection               | –          | Yes               |
| Vacuum valve                          | –          | Yes               |
| Two-point regulation                  | –          | Yes               |
| Analog speed vacuum control           |            | Yes               |
| Ventilation valve                     |            | Yes               |
| Automatic mode                        | No         | Yes               |
| Manual mode                           | Yes        | Yes               |
| Programmable                          |            | Yes               |
| Dimensions (W x H x D)                |            | 95 x 150 x 110 mm |
| Protection class acc. to DIN EN 60529 |            | IP 20             |
| RS 232 / USB interface                |            | Yes               |

According to DIN 12876, our wide range of chillers, heating bath circulators and immersion circulators are suitable for a temperature range from -30 to 250 °C. All temperature control devices meet the highest requirements for precision, safety, performance and intelligence.

### HRC 2 LITE

/// The refrigerated and heating circulator for the essentials

The HRC 2 lite refrigerated and heating circulator complements our new series of high-quality devices with a focus on basic functionalities. It is designed for simple temperature control tasks from -10 to 100 °C.

**COMPLEMENTS LABORATORY AND BIOREACTORS**

HRC 2 lite is the perfect peripheral unit for temperature control of laboratory and bioreactors or open baths. It can also serve as a temperature control source for measuring devices. The compact device can additionally be controlled via device-to-device communication or via laboratory software such as labworldsoft®.

**POWERFUL**

With 400 watts of cooling power, 1000 watts of heating power and strong pressure and suction pump, the HRC 2 lite is powerful. Thanks to the low minimum filling volume of only one liter, desired temperatures are reached quickly. The large working volume of 2.5 liters allows a wide range of external applications without the need to refill temperature control liquid.

**ENVIRONMENTALLY FRIENDLY**

HRC 2 lite works with the natural refrigerant R290. Plus, this refrigerated and heating circulator is made for sustainable, long-term operation. The easy accessible stainless steel mesh filter, for example, is easy to clean. So it ensures a consistently high cooling capacity for years.



**ICC basic**  
\$ 1,767.00  
Ident. No. 0020002272



**ICC control**  
\$ 2,105.00  
Ident. No. 0020002273



**IC basic**  
\$ 2,886.00  
Ident. No. 0003861001



**IC control**  
\$ 3,838.00  
Ident. No. 0003863001\*\*\*



| TECHNICAL DATA                  | ICC BASIC                    | ICC CONTROL                  | IC BASIC             | IC CONTROL           |
|---------------------------------|------------------------------|------------------------------|----------------------|----------------------|
| Appliance type                  | Compact immersion circulator | Compact immersion circulator | Immersion circulator | Immersion circulator |
| Heat output (230 / 115 V)       | 2000 / 1000 W                | 2000 / 1000 W                | 2500 / 1250 W        | 2500 / 1250 W        |
| Temperature range               | RT +10 °C* – 150 °C          | RT +10 °C* – 150 °C          | RT +10 °C – 250 °C** | RT +10 °C – 250 °C** |
| Display                         | LED                          | TFT                          | LED                  | TFT (wireless)       |
| Temperature stability DIN 12876 | ± 0.02 K                     | ± 0.01 K                     | ± 0.02 K             | ± 0.01 K             |
| Max. flow rate                  | 18 l/min                     | 18 l/min                     | 31 l/min             | 31 l/min             |
| Max. pump pressure              | 0.3 bar                      | 0.3 bar                      | 0.61 bar             | 0.61 bar             |
| Min. suction pressure           | 0.2 bar                      | 0.2 bar                      | 0.45 bar             | 0.45 bar             |
| Dimensions (W × H × D)          | 145 × 340 × 200 mm           | 145 × 340 × 200 mm           | 285 × 313 × 291 mm   | 285 × 313 × 291 mm   |

\* Possible operating temperatures with cooling coil: -20 °C to 150 °C  
\*\* Possible operating temperatures with cooling coil: -20 °C to 250 °C  
\*\*\* CC 1 cooling coil included in delivery





ICC basic eco 8



ICC control pro 12

| Product                           | Description                                              | Bath size | Bath opening (W x D)*** | Ident. No. | Price       |
|-----------------------------------|----------------------------------------------------------|-----------|-------------------------|------------|-------------|
| HEATING BATH CIRCULATORS          |                                                          |           |                         |            |             |
| ICC basic eco* 8                  | Package ICC basic, 8 l eco bath                          | S         | 188 x 105 mm            | 0010000853 | \$ 2,860.00 |
| ICC basic pro** 9                 | Package ICC basic, 9 l pro bath                          | S         | 195 x 100 mm            | 0010000851 | \$ 3,174.00 |
| ICC basic pro 12                  | Package ICC basic, 12 l pro bath                         | M         | 255 x 127 mm            | 0010000473 | \$ 3,287.00 |
| ICC basic eco 18                  | Package ICC basic, 18 l eco bath                         | L         | 245 x 305 mm            | 0010000475 | \$ 3,130.00 |
| ICC basic pro 20                  | Package ICC basic, 20 l pro bath                         | L         | 255 x 309 mm            | 0010000477 | \$ 3,510.00 |
| ICC control eco 8                 | Package ICC control, 8 l eco bath                        | S         | 188 x 105 mm            | 0010000849 | \$ 3,153.00 |
| ICC control pro 9                 | Package ICC control, 9 l pro bath                        | S         | 195 x 100 mm            | 0010000847 | \$ 3,472.00 |
| ICC control pro 12                | Package ICC control, 12 l pro bath                       | M         | 255 x 127 mm            | 0010000479 | \$ 3,582.00 |
| ICC control eco 18                | Package ICC control, 18 l eco bath                       | L         | 245 x 305 mm            | 0010000481 | \$ 3,231.00 |
| ICC control pro 20                | Package ICC control, 20 l pro bath                       | L         | 255 x 309 mm            | 0010000483 | \$ 3,806.00 |
| COMBINED HEATING BATH CIRCULATORS |                                                          |           |                         |            |             |
| ICC basic eco 8 c                 | Package ICC basic, 8 l eco bath, cover                   | S         | 188 x 105 mm            | 0010000854 | \$ 3,598.00 |
| ICC basic pro 9 c                 | Package ICC basic, 9 l pro bath, cover                   | S         | 195 x 100 mm            | 0010000852 | \$ 3,913.00 |
| ICC basic pro 12 c                | Package ICC basic, 12 l pro bath, cover                  | M         | 255 x 127 mm            | 0010000474 | \$ 4,269.00 |
| ICC basic eco 18 c                | Package ICC basic, 18 l eco bath, cover                  | L         | 245 x 305 mm            | 0010000476 | \$ 4,114.00 |
| ICC basic pro 20 c                | Package ICC basic, 20 l pro bath, cover                  | L         | 255 x 309 mm            | 0010000478 | \$ 4,491.00 |
| ICC control eco 8 c               | Package ICC control, 8 l eco bath, cover                 | S         | 188 x 105 mm            | 0010000850 | \$ 3,893.00 |
| ICC control pro 9 c               | Package ICC control, 9 l pro bath, cover                 | S         | 195 x 100 mm            | 0010000848 | \$ 4,209.00 |
| ICC control eco 18 c              | Package ICC control, 18 l eco bath, cover                | L         | 245 x 305 mm            | 0010000482 | \$ 4,011.00 |
| ICC control pro 12 c              | Package ICC control, 12 l pro bath, cover                | M         | 255 x 127 mm            | 0010000480 | \$ 4,564.00 |
| ICC control pro 20 c              | Package ICC control, 20 l pro bath, cover                | L         | 255 x 309 mm            | 0010000484 | \$ 4,632.00 |
| PACKAGES WITH MAGNETIC STIRRER    |                                                          |           |                         |            |             |
| ICC basic IB R RO 15 eco          | Package ICC basic with magnetic stirrer RO 15 and bath   | L         | 317 x 492 mm            | 0010002472 | \$ 6,070.00 |
| ICC control IB R RO 15 eco        | Package ICC control with magnetic stirrer RO 15 and bath | L         | 317 x 492 mm            | 0010002475 | \$ 6,476.00 |
| ICC basic IB R RO 15 pro          | Package ICC basic with magnetic stirrer RO 15 and bath   | L         | 317 x 492 mm            | 0010006740 | \$ 7,375.00 |
| ICC control IB R RO 15 pro        | Package ICC control with magnetic stirrer RO 15 and bath | L         | 317 x 492 mm            | 0010006736 | \$ 7,799.00 |

\* eco: plastic bath  
\*\* pro: stainless steel bath  
\*\*\* Size of plate that can be placed at the bottom of the bath



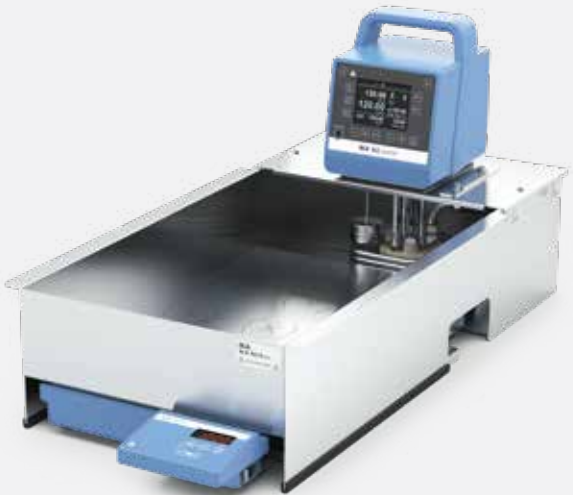
ICC control pro 20 c



ICC basic IB R RO 15 eco  
(Circulating bath with 15 stirring positions for glass beakers up to 250 ml)



IC control pro 20 c



ICC control IB R RO 15 pro

| Product                       | Description                              | Bath size | Bath opening (W x D)*** | Ident. No. | Price       |
|-------------------------------|------------------------------------------|-----------|-------------------------|------------|-------------|
| IMMERSION CIRCULATOR PACKAGES |                                          |           |                         |            |             |
| IC basic pro 12 c             | Package IC basic, 12 l pro bath, cover   | M         | 255 x 80 mm             | 0010000467 | \$ 4,892.00 |
| IC basic pro 20 c             | Package IC basic, 20 l pro bath, cover   | L         | 255 x 262 mm            | 0010000469 | \$ 5,188.00 |
| IC control pro 12 c           | Package IC control, 20 l pro bath, cover | M         | 255 x 80 mm             | 0010000470 | \$ 5,298.00 |
| IC control pro 20 c           | Package IC control, 12 l pro bath, cover | L         | 255 x 262 mm            | 0010000472 | \$ 5,595.00 |

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

/// HEATING BATH CIRCULATORS

- 1

**HBC 5 basic**  
\$ 4,286.00  
Ident. No. 0004125001
- 2

**HBC 5 control**  
\$ 4,873.00  
Ident. No. 0004127001
- 3

**HBC 10 basic**  
\$ 4,934.00  
Ident. No. 0004135001
- 4

**HBC 10 control**  
\$ 5,063.00  
Ident. No. 0004137001



/// REFRIGERATED AND HEATING BATH CIRCULATORS

- 1

**CBC 5 basic**  
\$ 8,210.00  
Ident. No. 0004165001
- 2

**CBC 5 control**  
\$ 8,976.00  
Ident. No. 0004167001



/// REFRIGERATED AND HEATING CIRCULATOR

- 1

**HRC 2 basic**  
\$ 7,130.00  
Ident. No. 0025003743
- 2

**HRC 2 control**  
\$ 8,059.00  
Ident. No. 0025004639



| TECHNICAL DATA                  | HBC 5 BASIC   CONTROL<br>HBC 10 BASIC   CONTROL | CBC 5 BASIC   CONTROL                    | HRC 2 BASIC   CONTROL                    | HRC 2 LITE                               |
|---------------------------------|-------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Appliance type                  | Heated bath circulator                          | Refrigerated and heating bath circulator | Refrigerated and heating bath circulator | Refrigerated and heating bath circulator |
| Temperature range               | RT + 10 °C* – 250 °C                            | -25 °C – 200 °C                          | -20 °C – 100 °C  <br>-30 °C** – 100 °C   | -10 °C – 100 °C                          |
| Heater capacity                 | 2500 W                                          | 2500 W                                   | 1500 W                                   | 1000 W                                   |
| Filling volume                  | 5 – 7 l   8 – 11 l<br>5 – 7 l   8 – 11 l        | 5 – 7 l                                  | 1,4 – 4 l                                | 1 – 3,5 l                                |
| Cooling capacity at 20 °C       | –                                               | 350 W                                    | 400 W                                    | 400 W                                    |
| Display                         | LED   TFT (wireless)                            | LED   TFT (wireless)                     | LED   TFT (wireless)                     | LED                                      |
| Temperature stability DIN 12876 | ± 0.02 K   ± 0,01 K                             | ± 0.02 K   ± 0.01 K                      | ± 0.1 K   ± 0.05 K                       | ± 0.1 K                                  |
| Max. flow rate                  | 31 l/min                                        | 31 l/min                                 | 21 l/min                                 | 18 l/min                                 |
| Max. pump pressure/suction      | 0.61 bar / 0.45 bar                             | 0.61 bar / 0.45 bar                      | 0.5 bar / 0.25 bar                       | 0.35 / 0.15 bar                          |
| Dimensions (W x H x D)          | 275 x 406 x 500 mm<br>275 x 456 x 500 mm        | 275 x 690 x 490 mm                       | 220 x 475 x 525 mm                       | 225 x 385 x 430 mm                       |

\* Possible operating temperatures with cooling coil: -20 °C to 250 °C  
\*\* -30 °C possible at 2000 rpm

/// RECIRCULATING CHILLER

- 1

**RC 2 lite**  
\$ 3,145.00  
Ident. No. 0025007939



- 1

**RC 2 basic**  
\$ 4,996.00  
Ident. No. 0004171001
- 2

**RC 2 control**  
\$ 6,444.00  
Ident. No. 0004173001



- 1

**RC 2 GREEN basic**  
\$ 5,434.00  
Ident. No. 0025007402
- 2

**RC 2 GREEN control**  
\$ 7,075.00  
Ident. No. 0025007404



- 1

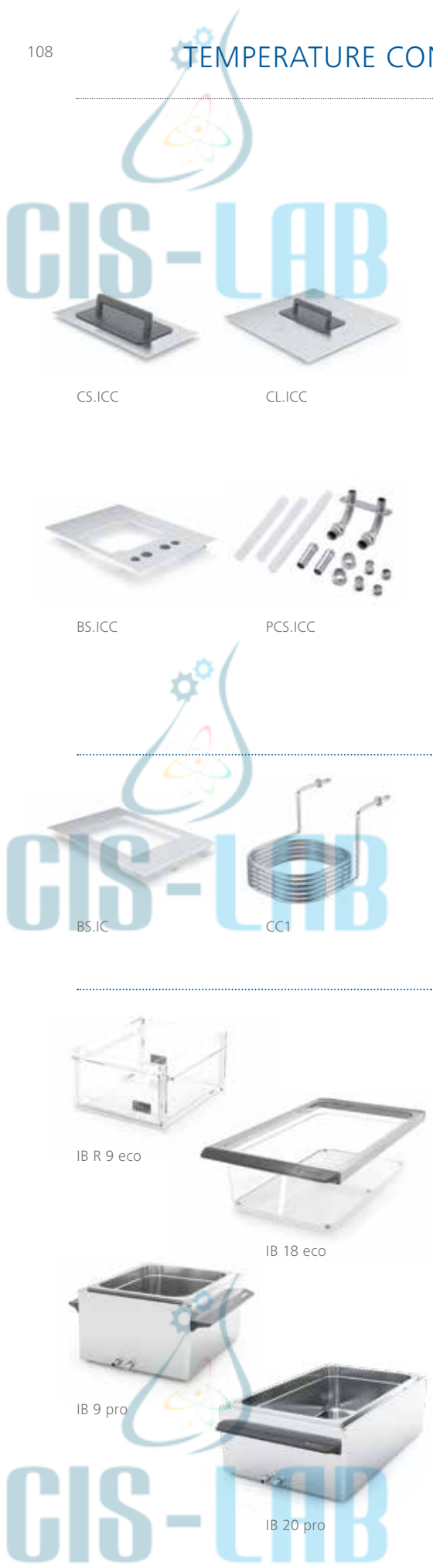
**RC 5 basic**  
\$ 7,943.00  
Ident. No. 0020008503
- 2

**RC 5 control**  
\$ 9,358.00  
Ident. No. 0020008504



| TECHNICAL DATA                  | RC 2 LITE             | RC 2 BASIC   CONTROL      | RC 2 GREEN BASIC   CONTROL | RC 5 BASIC   CONTROL  |
|---------------------------------|-----------------------|---------------------------|----------------------------|-----------------------|
| Appliance type                  | Recirculating chiller | Recirculating chiller     | Recirculating chiller      | Recirculating chiller |
| Cooling fluid                   | R290                  | R134a                     | R290                       | R290                  |
| Cooling capacity at 20 °C       | 400 W                 | 400 W                     | 800 W                      | 1400 W                |
| Temperature range               | -10 °C – RT           | -20 °C – RT   -30 °C – RT | -30 °C – RT                | -30 °C – RT           |
| Display                         | LED                   | LED   TFT (wireless)      | LED   TFT (wireless)       | LED   TFT (wireless)  |
| Temperature stability DIN 12876 | ± 0.5 K               | ± 0.1 K   ± 0.05 K        | ± 0.15 K                   | ± 0.2 K   ± 0.1 K     |
| Max. flow rate                  | 18 l/min              | 18 l/min                  | 21 l/min                   | 31 l/min              |
| Max. pump pressure              | 0.35 bar              | 0.3 bar                   | 0.5 bar                    | 0.61 bar              |
| Min. suction pressure           | 0.15 bar              | 0.2 bar                   | 0.25 bar                   | 0.45 bar              |
| Dimensions (W x H x D)          | 225 x 385 x 430 mm    | 220 x 475 x 525 mm        | 220 x 475 x 525 mm         | 310 x 546 x 490 mm    |





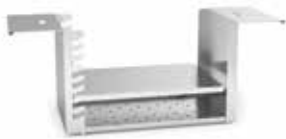
| Product             | Description                                              | Ident. No. | Price       |
|---------------------|----------------------------------------------------------|------------|-------------|
| ACCESSORIES FOR ICC |                                                          |            |             |
| CS.ICC              | Cover, small for ICC, 8 / 9 l bath vessels               | 0004471500 | \$ 229.00   |
| CM.ICC              | Cover, medium for ICC, 12 l bath vessels                 | 0025000290 | \$ 245.00   |
| CL.ICC              | Cover, big for ICC, 18 / 20 l bath vessels               | 0004471600 | \$ 317.00   |
| CLG.ICC             | Gable lid for ICC, bath size L                           | 0020023680 | \$ 1,050.00 |
| CLR.ICC             | Cover with 6 ring openings for ICC, 18/20 l bath vessels | 0025006276 | on request  |
| BS.ICC              | Bridge, small for ICC, 8 / 9 l bath vessels              | 0020003077 | \$ 301.00   |
| BL.ICC              | Bridge, big for ICC, 18 / 20 l bath vessels              | 0020003078 | \$ 301.00   |
| CC2                 | Cooling coil for ICC                                     | 0025001061 | \$ 188.00   |
| PCS.ICC             | Pump connection set for ICC                              | 0004471900 | \$ 191.00   |
| ACCESSORIES FOR IC  |                                                          |            |             |
| CM.IC               | Cover, medium for IC, 12 l bath vessels                  | 0004577600 | \$ 245.00   |
| CL.IC               | Cover, big for IC, 18 / 20 l bath vessels                | 0004471800 | \$ 317.00   |
| BS.IC               | Bridge, small for IC, 12 / 18 / 20 l bath vessels        | 0004472800 | \$ 301.00   |
| CC1                 | Cooling coil for IC basic / control                      | 0020005116 | \$ 188.00   |
| BATH VESSELS        |                                                          |            |             |
| Bath size S         |                                                          |            |             |
| IB 8 eco            | Bath vessel, plastic, 8 l                                | 0004248100 | \$ 785.00   |
| IB R 9 eco          | Bath vessel, plastic, 9 l, rectangular                   | 0020004382 | \$ 711.00   |
| IB 9 pro            | Bath vessel, stainless steel, 9 l                        | 0004248500 | \$ 1,099.00 |
| Bath size M         |                                                          |            |             |
| IB 12 pro           | Bath vessel, stainless steel, 12 l                       | 0004577500 | \$ 1,257.00 |
| Bath size L         |                                                          |            |             |
| IB 18 eco           | Bath vessel, plastic, 18 l                               | 0004248200 | \$ 1,099.00 |
| IB HF 24 eco        | Bath vessel, plastic, 24 l                               | 0020006884 | \$ 1,180.00 |
| IB R 20 eco         | Bath vessel, 20 l, plastic, rectangular                  | 0020004383 | \$ 904.00   |
| IB R 52 eco         | Bath vessel, 52 l, plastic, rectangular                  | 0020007044 | \$ 1,283.00 |
| IB R RO 15 eco      | Bath vessel for magn. stirrer RO 15                      | 0020006341 | \$ 2,605.00 |
| IB R RO 15 pro      | Bath vessel for magn. stirrer RO 15                      | 0025007761 | \$ 2,988.00 |
| IB 20 pro           | Bath vessel, stainless steel, 20 l                       | 0004248600 | \$ 1,479.00 |



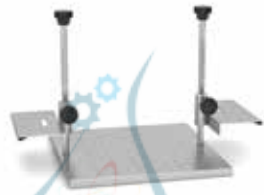
| Product              | Description                                          | Ident. No. | Price       |
|----------------------|------------------------------------------------------|------------|-------------|
| THERMOFLUIDS         |                                                      |            |             |
| HF.Si.20.250.50A     | Heating fluid Si250A; 10 kg                          | 0020003521 | \$ 996.00   |
| HF.Si.20.200.50      | Heating fluid Si200; 10 kg                           | 0020003520 | \$ 988.00   |
| UF.Si.N30.150.10LV   | Universal fluid Si150 LV; 9 kg                       | 0020003518 | \$ 946.00   |
| HOSES                |                                                      |            |             |
| LT 5.32              | Temperature control hose, 1.6 m                      | 0020113271 | \$ 1,064.00 |
| H.PVC.8              | Hose, PVC, Ø 8 mm, 2 × 1,5 m                         | 0004568800 | \$ 25.00    |
| H.PVC.12             | Hose, PVC, Ø 12 mm, 2 × 1,5 m                        | 0004568900 | \$ 34.00    |
| H.SI.6               | Hose, silicone, Ø 6 mm, 3 m                          | 0020102324 | \$ 35.00    |
| H.SI.8               | Hose, silicone, Ø 8 mm, 2 × 1,5 m                    | 0004569000 | \$ 75.00    |
| H.SI.12              | Hose, silicone, Ø 12 mm, 2 × 1,5 m                   | 0004569100 | \$ 100.00   |
| H.PUR.8.R            | Tube PUR 90 °C, Ø 8, 2 × 1,5 m, reinforced           | 0020004612 | \$ 86.00    |
| H.PUR.12             | Tube PUR 90 °C, Ø 12, 2 × 1,5 m                      | 0020004613 | \$ 124.00   |
| H.FKM.8              | Tube FKM, Ø 8 mm, -30 – 180 °C, 2 × 1,5 m            | 0004569200 | \$ 524.00   |
| H.FKM.12             | Tube FKM, Ø 12 mm, -30 – 180 °C, 2 × 1,5 m, M 16 × 1 | 0004569300 | \$ 688.00   |
| H.FKM.8.ISO          | Hose set FKM incl. insulation, Ø 8 mm                | 0010011653 | \$ 524.00   |
| H.FKM.12.ISO         | Hose set incl. insulation, FKM, Ø 12 mm              | 0010011652 | \$ 693.00   |
| H.PUR.12.AD          | Hose set incl. M 16x1 connection, PUR 90 °C, Ø 12 mm | 0010011654 | \$ 179.00   |
| INSULATION FOR HOSES |                                                      |            |             |
| ISO.8                | Insulation, Ø 8 mm, 2 × 1,5 m                        | 0004569400 | \$ 57.00    |
| ISO.12               | Insulation, Ø 12 mm, 2 × 1,5 m                       | 0004569500 | \$ 74.00    |



Tube rack, 13 mm, S, stainless



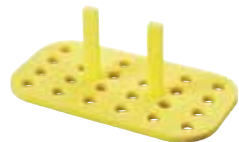
Variable rack, ICC, ML, stainless



Variable bottom, ICC, L, stainless



Bottom plate L



Floating tube rack 1



Floating globes, PP



WH10

| Product                            | Description                                     | Ident. No. | Price     |
|------------------------------------|-------------------------------------------------|------------|-----------|
| TUBE RACKS                         |                                                 |            |           |
| Tube rack, 13 mm, S, stainless     | Stainless steel rack for bath size S, Ø 13 mm   | 0020004026 | \$ 130.00 |
| Tube rack, 17 mm, S, stainless     | Stainless steel rack for bath size S, Ø 17 mm   | 0020004027 | \$ 130.00 |
| Tube rack, 22 mm, S, stainless     | Stainless steel rack for bath size S, Ø 22 mm   | 0020004028 | \$ 130.00 |
| Tube rack, 13 mm, ML, stainless    | Stainless steel rack for bath size M+L, Ø 13 mm | 0020004029 | \$ 276.00 |
| Tube rack, 17 mm, ML, stainless    | Stainless steel rack for bath size M+L, Ø17 mm  | 0020004030 | \$ 276.00 |
| Tube rack, 22 mm, ML, stainless    | Stainless steel rack for bath size M+L, Ø 22 mm | 0020004031 | \$ 276.00 |
| Variable rack, ICC, ML, stainless  | Variable rack for bath size M+L.ICC             | 0020004032 | \$ 368.00 |
| Inlay 1, variable rack, ICC, ML    | Inlay for variable rack, Ø 13 mm, 2 pcs.        | 0020004033 | \$ 137.00 |
| Inlay 2, variable rack, ICC, ML    | Inlay for variable rack, Ø 17 mm, 2 pcs.        | 0020004034 | \$ 137.00 |
| Inlay 3, variable rack, ICC, ML    | Inlay for variable rack, Ø 22 mm, 2 pcs.        | 0020004035 | \$ 137.00 |
| Variable bottom, ICC, L, stainless | Variable bottom for bath size L.ICC             | 0020004614 | \$ 676.00 |
| Bottom plate L                     | Bottom plate for bath size L                    | 0020006212 | \$ 741.00 |
| Bottom plate L, ICC                | Bottom plate for bath size L.ICC                | 0020007353 | \$ 683.00 |

FLOATING RACKS

|                      |                                                        |            |          |
|----------------------|--------------------------------------------------------|------------|----------|
| Floating tube rack 1 | Floating tube rack for 24 x 1,5 / 2,0 ml tubes, 5 pcs. | 0020003667 | \$ 68.00 |
| Floating tube rack 2 | Floating tube rack for 8 x 15 ml tubes, 5 pcs.         | 0020003668 | \$ 68.00 |
| Floating tube rack 3 | Floating tube rack for 4 x 50 ml tubes, 5 pcs.         | 0020003669 | \$ 68.00 |

ADDITIONAL ACCESSORIES

|                         |                                                                            |            |            |
|-------------------------|----------------------------------------------------------------------------|------------|------------|
| WH10                    | WiCo Holder                                                                | 0020000984 | \$ 57.00   |
| PT 100.30               | Temp. sensor, stn. steel                                                   | 0004284700 | \$ 152.00  |
| PT 100 extension (Lemo) | Extension cable PT 100, lemo connector, 3 m                                | 0020004629 | \$ 341.00  |
| Floating globes, PP     | Floating globes, PP, 500 pcs.                                              | 0020003666 | \$ 376.00  |
| Distribution Pipe       | 4-sided distributor tube for improved flow in large tanks, stainless steel | 0020027440 | on request |
| PDS.IB.R.RO             | Pump connection set ICC for IB R RO baths, incl. distribution pipe         | 0020026449 | \$ 498.00  |



CO V 1



Ball valve M16x1



Mechanic fluid level controller



Elbow tube 90°



Olive for DN 6 hoses



Adapter NTP 1/4



Adapter NTP 3/4

| Product                         | Description                                                         | Ident. No. | Price       |
|---------------------------------|---------------------------------------------------------------------|------------|-------------|
| VALVES AND LEVEL CONTROLLERS    |                                                                     |            |             |
| MV 1                            | Magnetic valve for cooling water control, max. 100 °C               | 0020003763 | \$ 785.00   |
| CO V 1                          | Closed pressure valve for external pump connection set, max. 180 °C | 0020000249 | \$ 1,350.00 |
| Ball valve M16 x 1              | Ball valve, completely opening (M 16 x 1)                           | 0020004620 | \$ 169.00   |
| Mechanic fluid level controller | Mechanic fluid level controller                                     | 0020004618 | \$ 1,091.00 |

ADAPTERS

|                                |                                                            |            |            |
|--------------------------------|------------------------------------------------------------|------------|------------|
| Elbow tube 90°                 | Elbow tube 90°                                             | 0025001212 | \$ 162.00  |
| Elbow Olive 90° for pump       | 90° tube adapter for pump mounting                         | 0025007462 | \$ 95.00   |
| Y-hose connector 8 mm          | Splitter, PP, max. 135 °C                                  | 0020010963 | \$ 12.00   |
| Olive for DN 6 hoses           | Olive for DN 6 hoses, 2 pcs.                               | 0020004667 | \$ 86.00   |
| Olive for DN 8 hoses           | Olive for DN 8 hoses, 2 pcs.                               | 0020004566 | \$ 15.00   |
| Olive for DN 10 hoses          | Olive for DN 10 hoses, 2 pcs.                              | 0020004568 | \$ 63.00   |
| Olive for DN 12 hoses          | Olive for DN 12 hoses, 2 pcs.                              | 0020004889 | \$ 21.00   |
| Adapter NTP 1/4                | Adapter M 16 to NPT 1/4, 2 pcs.                            | 0020004569 | \$ 146.00  |
| Adapter NTP 1/2                | Adapter M 16 to NPT 1/2, 2 pcs.                            | 0020004570 | \$ 237.00  |
| Adapter NTP 3/4                | Adapter M 16 to NPT 3/4, 2 pcs.                            | 0020004571 | \$ 482.00  |
| Adapter M16 x 1 f - G1/4 m     | Adapter M 16 x 1 female to G 1/4 male                      | 0020008807 | on request |
| Adapter M16 x 1 m - G1/4 m     | Adapter M 16 x 1 male to G 1/4 male                        | 0020008734 | on request |
| Adapter M16 x 1 m - G1/2 m     | Adapter M 16 x 1 male to G 1/2 male                        | 0020008796 | on request |
| Adapter M16 x 1 f - G1/2 m     | Adapter M 16 x 1 female to G 1/2 male                      | 0020008800 | on request |
| Adapter M16 x 1 f - G3/8 m     | Adapter M 16 x 1 female to G 3/8 male                      | 0020008730 | on request |
| Adapter M16 x 1 m - G3/8 m     | Adapter M 16 x 1 male to G 3/8 male                        | 0020008754 | on request |
| Adapter M16 x 1 m - M 16 x 1 m | Adapter M 16 x 1 male to M 16 x 1 male, for hose extension | 0025007118 | on request |
| Lock nut                       | Lock nut, 2 pcs.                                           | 0020004583 | \$ 16.00   |
| Stopper                        | Stopper, 2 pcs.                                            | 0020004584 | \$ 13.00   |



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.

DRY BLOCK HEATERS

/// Provide precise temperature control in small vessels



Digital block heaters for up to four aluminium blocks provide precise temperature control in small vessels. Included PT 1000 temperature sensor allows temperature control directly in the sample vessel. It is used with PCR tubes, PCR strips, Greiner tubes, microplates and cuvettes. The digital dry block heaters with precisely designed blocks ensure highly accurate and reproducible results, guaranteeing short heating times. The bright, easy to read LED display facilitates very easy setting of the required temperature and accurate monitoring of the actual temperature. Excellent temperature uniformity and stability is ensured.

- TIMER**  
Countdown, adjustable from 1 min to 99 h 59 min.
- FIXED SAFETY CIRCUIT**
- ACCESSORIES**  
Highly versatile with a large number of blocks.

Dry Block Heater 1  
\$ 1,395.00  
Ident. No. 0004025101



Dry Block Heater 2  
\$ 1,536.00  
Ident. No. 0004025201



Dry Block Heater 3  
\$ 1,839.00  
Ident. No. 0004025301



Dry Block Heater 4  
\$ 2,022.00  
Ident. No. 0004025401



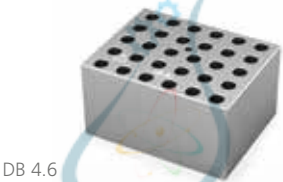
| TECHNICAL DATA                             | DRY BLOCK HEATER 1 | DRY BLOCK HEATER 2 | DRY BLOCK HEATER 3 | DRY BLOCK HEATER 4 |
|--------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Number of blocks                           | 1                  | 2                  | 3                  | 4                  |
| Heat output                                | 165 W              | 250 W              | 330 W              | 412 W              |
| Heating temperature range                  | RT +5 °C – 120 °C  | RT +5 °C – 120 °C  | RT +5 °C – 120 °C  | RT +5 °C – 120 °C  |
| Connection for ext. temperature sensor     | CT (DIN 12878)     | CT (DIN 12878)     | CT (DIN 12878)     | CT (DIN 12878)     |
| Temperature homogeneity at 37 / 60 °C      | 0.2 K / 0.4 K      | 0.2 K / 0.4 K      | 0.3 K / 0.6 K      | 0.3 K / 0.6 K      |
| Set-up plate dimensions                    | 96 × 76 mm         | 96 × 152 mm        | 96 × 228 mm        | 96 × 304 mm        |
| Dimensions (W × H × D)                     | 151 × 73 × 228 mm  | 151 × 73 × 304 mm  | 151 × 73 × 380 mm  | 151 × 73 × 456 mm  |
| Protection class according to DIN EN 60529 | IP 21              | IP 21              | IP 21              | IP 21              |



DB 1.1



DB 3.2



DB 4.6



DB 4.6



DB 5.2



DB 5.8



DB 8.1

| Product                | Description                                    | Ident. No. | Price     |
|------------------------|------------------------------------------------|------------|-----------|
| MICRO CENTRIFUGE TUBES |                                                |            |           |
| DB 1.1                 | Single block, PCR tubes, Ø 7,9 mm              | 0004467600 | \$ 219.00 |
| DB 1.2                 | Single block, Eppendorf tubes, Ø 11,5 mm       | 0004467700 | \$ 183.00 |
| DB 1.3                 | Single block, microtubes, Ø 11,1 mm            | 0004467800 | \$ 183.00 |
| DB 1.4                 | Single block, VWR   Eppendorf tubes, Ø 10.9 mm | 0004467900 | \$ 183.00 |
| DB 1.5                 | Single block, corning tubes, Ø 10.9 mm         | 0004468000 | \$ 183.00 |

|                                 |                                        |            |           |
|---------------------------------|----------------------------------------|------------|-----------|
| CONICAL BOTTOM CENTRIFUGE TUBES |                                        |            |           |
| DB 2.1                          | Single block, conical tubes, Ø 17,1 mm | 0004468100 | \$ 219.00 |
| DB 2.2                          | Single block, conical tubes, Ø 29 mm   | 0004468200 | \$ 215.00 |

|                    |                                                    |            |           |
|--------------------|----------------------------------------------------|------------|-----------|
| COMBINATION BLOCKS |                                                    |            |           |
| DB 3.1             | Single block, test tube comb., 6   12   13   25 mm | 0004468300 | \$ 214.00 |
| DB 3.2             | Single block, centrifuge comb., 1,5   15   50 ml   | 0004468400 | \$ 214.00 |
| DB 3.3             | Single block, microtube comb., 0.5   1,5   2 ml    | 0004468500 | \$ 219.00 |

|                     |                                         |            |           |
|---------------------|-----------------------------------------|------------|-----------|
| STANDARD TEST TUBES |                                         |            |           |
| DB 4.1              | Single block, 30 round tubes, Ø 8,3 mm  | 0004468600 | \$ 238.00 |
| DB 4.2              | Single block, 24 round tubes, Ø 10.7 mm | 0004468700 | \$ 224.00 |
| DB 4.3              | Single block, 16 round tubes, Ø 13,9 mm | 0004468800 | \$ 219.00 |
| DB 4.4              | Single block, 20 round tubes, Ø 13,9 mm | 0004468900 | \$ 224.00 |
| DB 4.5              | Single block, 12 round tubes, Ø 17.5 mm | 0004469000 | \$ 213.00 |
| DB 4.6              | Single block, 8 round tubes, Ø 21 mm    | 0004469100 | \$ 219.00 |
| DB 4.7              | Single block, 6 round tubes, Ø 26,2 mm  | 0004469200 | \$ 214.00 |
| DB 4.8              | Single block, 4 round tubes, Ø 35 mm    | 0004469300 | \$ 215.00 |
| DB 4.9              | Single block, 12 round tubes, Ø 19,1 mm | 0004469400 | \$ 212.00 |

|        |                                      |            |           |
|--------|--------------------------------------|------------|-----------|
| VIALS  |                                      |            |           |
| DB 5.1 | Single block, 12 mm vials, Ø 12,7 mm | 0004469500 | \$ 219.00 |
| DB 5.2 | Single block, 15 mm vials, Ø 15,8 mm | 0004469600 | \$ 219.00 |
| DB 5.3 | Single block, 17 mm vials, Ø 17,8 mm | 0004469700 | \$ 219.00 |
| DB 5.4 | Single block, 19 mm vials, Ø 19,7 mm | 0004469800 | \$ 212.00 |
| DB 5.5 | Single block, 21 mm vials, Ø 21,7 mm | 0004469900 | \$ 212.00 |
| DB 5.6 | Single block, 23 mm vials, Ø 23,8 mm | 0004470000 | \$ 212.00 |
| DB 5.7 | Single block, 25 mm vials, Ø 25,8 mm | 0004470100 | \$ 212.00 |
| DB 5.8 | Single block, 28 mm vials, Ø 28,8 mm | 0004470200 | \$ 212.00 |
| DB 5.9 | Single block, 16 mm vials, Ø 16,4 mm | 0004470300 | \$ 212.00 |

|                     |                                                |            |           |
|---------------------|------------------------------------------------|------------|-----------|
| STANDARD TEST TUBES |                                                |            |           |
| DB 6.1              | Single block, 10 × 8 PCR tube strips, Ø 6,4 mm | 0004470400 | \$ 212.00 |
| DB 6.2              | Single block, 64 PCR tubes, Ø 6,4 mm           | 0004470500 | \$ 215.00 |
| DB 6.3              | Double block, 1 × 96-Well PCR plate, Ø 6,4 mm  | 0004470600 | \$ 268.00 |
| DB 7.1              | Double block, 96- or 384-Well-plate            | 0004470800 | \$ 249.00 |
| DB 8.1              | Single block, 2 × 6 cuvettes, Ø 12,5 mm        | 0004470700 | \$ 215.00 |

|                     |                                                 |            |           |
|---------------------|-------------------------------------------------|------------|-----------|
| TEMPERATURE SENSORS |                                                 |            |           |
| PT 1000.60          | Temp. sensor, stn. steel, Ø 3 mm, depth: 230 mm | 0003516800 | \$ 287.00 |
| PT 1000.90          | Temp. sensor, coated, Ø 3 mm, depth: 230 mm     | 0004480600 | \$ 311.00 |



C-MAG HP 4  
\$ 561.00  
Ident. No. 0003581601



C-MAG HP 7  
\$ 770.00  
Ident. No. 0003581801



C-MAG HP 10  
\$ 1,027.00  
Ident. No. 0003582001

| TECHNICAL DATA                             | C-MAG HP 4         | C-MAG HP 7         | C-MAG HP 10        |
|--------------------------------------------|--------------------|--------------------|--------------------|
| Heat output                                | 250 W              | 1000 W             | 1500 W             |
| Heating temperature range                  | 50 °C – 500 °C     | 50 °C – 500 °C     | 50 °C – 500 °C     |
| Connection for ext. temperature sensor     | –                  | ETS-D5             | ETS-D5             |
| Heating rate heating plate                 | 2.5 K / min        | 5 K / min          | 5 K / min          |
| Set-up plate material                      | Ceramic            | Ceramic            | Ceramic            |
| Set-up plate dimensions                    | 100 × 100 mm       | 180 × 180 mm       | 260 × 260 mm       |
| Dimensions (W × H × D)                     | 150 × 105 × 260 mm | 220 × 105 × 330 mm | 300 × 105 × 415 mm |
| Protection class according to DIN EN 60529 | IP 21              | IP 21              | IP 21              |



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 prevents overheating of the bath. After turning on the unit, the safety functions are automatically checked.

HB DIGITAL

/// Enlarged volume

The new universal heating bath HB digital now has a volume of 4 liters and is especially designed to work with our rotary evaporators. Apart from that, the unit can be operated as a stand-alone device for applications within preparative chemistry.

It is easily operated by a push-button and a key switch locks temperature settings to prevent unintentional adjustments. Due to its ergonomic handles the device can be moved effortlessly within the laboratory. Its safety circuit is adjustable.



HB eco

\$ 1,556.00  
Ident. No. 0020016413



HB digital

\$ 2,007.00  
Ident. No. 0020016395



Heating temperature up to 180 °C

HBR 4 control

\$ 5,798.00  
Ident. No. 0020005142



Integrated magnetic stirrer drive

| Product                                     | Ident. No. | Price       |
|---------------------------------------------|------------|-------------|
| ACCESSORIES HB ECO   DIGITAL                |            |             |
| HB 10.3 Protection cover HB eco and digital | 0020024125 | \$ 1,361.00 |

|                           |                     |            |             |
|---------------------------|---------------------|------------|-------------|
| ACCESSORIES HBR 4 CONTROL |                     |            |             |
| H 240                     | Ring set            | 0002858700 | \$ 1,071.00 |
| H 159                     | Intermediate bottom | 0001809700 | \$ 508.00   |

| TECHNICAL DATA                             | HB ECO   DIGITAL     | HBR 4 CONTROL      |
|--------------------------------------------|----------------------|--------------------|
| Heating temperature max.                   | 99 °C   180 °C       | 200 °C             |
| Filling volume max.                        | 4 l                  | 4 l                |
| Filling point min.                         | 60 mm                | 20 mm              |
| Heat output                                | 1400 W               | 1000 W             |
| Safety circuit                             | 109 °C   50 – 190 °C | 50 – 210 °C        |
| Display                                    | LED / LCD            | LCD                |
| Inner diameter                             | 225 mm               | 200 mm             |
| Dimensions (W x H x D)                     | 330 x 190 x 325 mm   | 340 x 250 x 340 mm |
| Protection class according to DIN EN 60529 | IP 21                | IP 20              |

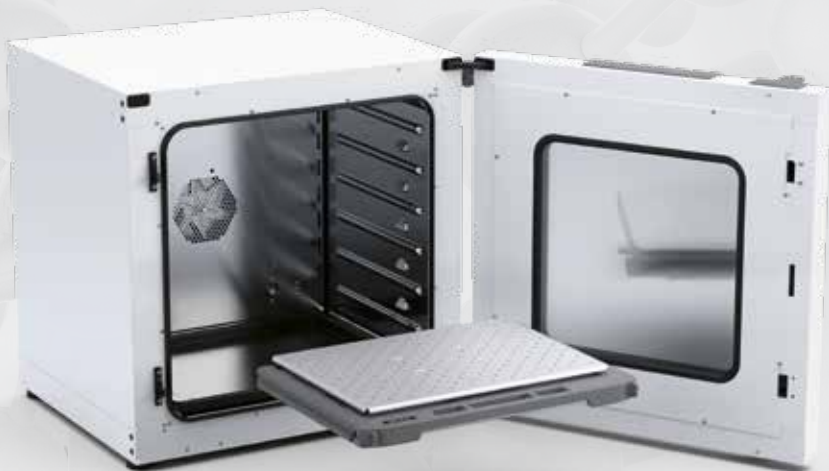


HB 10.3

Heat on a grand scale: Our drying ovens handle the particularly powerful tempering and drying. Our incubators ensure ideal growth conditions for cell cultures. All devices are known for their precision. And if you wish, your samples can also be shaken – in our new incubation shaker.

INC 125 FS DIGITAL

Incubator shaker with patented removable shaker platform



NEW!

Its removable shaker platform is patented: The INC 125 FS digital accommodates three additional grid shelves for incubation in addition to the shaker platform. If the platform is removed, six wire grid trays fit into the 125-liter interior. It can then be used like a normal incubator.

INC 125 FS digital is particularly suitable for applications in the life sciences: for microbiological tests, stability studies or cell cultivation.

ERGONOMIC

The shaker platform can be easily removed, for example, to attach retaining clamps quickly and ergonomically. If you then push the platform into the illuminated incubator up to the mark, it sits tilt-proof and can be filled conveniently.

EASY TO CLEAN

The inner chamber is made of corrosion-resistant AISI 304 material, and thanks to the removable shaker platform, INC 125 FS digital has fewer dead spots. Added to this is its practical drip tray which helps to catch sample spills. Altogether, this makes cleaning the incubator shaker much faster and easier. And to avoid cross-contamination, a decontamination mode is available for disinfection purpose.

PRECISE

INC 125 FS digital enables precise temperature control in the range from +8°C to +80°C and homogeneous temperature distribution. Temperature stability is excellent at +/- 0.1°C. After opening the door, the temperature quickly returns to the desired level. This is due to the fact that preheated air is supplied. In addition, the good insulation and recirculation mode help save energy.

INCUBATOR

INC 125 F digital  
\$ 3,150.00  
Ident. No. 0020117191

Decontamination mode



INCUBATOR SHAKER

INC 125 FS digital (SP20)  
\$ 6,290.00  
Ident. No. 0020117222

INC 125 FS digital (SP25)  
\$ 6,290.00  
Ident. No. 0020117231

Up to two devices stackable



| TECHNICAL DATA                       | INC 125 F DIGITAL  | INC 125 FS DIGITAL (SP20)   (SP25) |
|--------------------------------------|--------------------|------------------------------------|
| Type                                 | Incubator          | Incubator shaker                   |
| Total volume inner chamber           | 125 l              | 125 l                              |
| Working temperature                  | RT+ 8 °C – 100 °C  | RT+ 8 °C – 80 °C                   |
| Heat output                          | 750 W              | 750 W                              |
| Temperature stability                | ± 0.3 K            | ± 0.1 K                            |
| Temperature safety class (DIN 12880) | TB class 1         | TB class 1                         |
| Interior lighting                    | No                 | Yes                                |
| Decontamination mode                 | Yes (120°C)        | Yes (100°C/120°C)                  |
| Speed range                          | –                  | 10 – 300 rpm                       |
| Shaking stroke                       | –                  | 20 mm   25 mm                      |
| Dimensions (W x H x D)               | 700 x 720 x 635 mm | 700 x 720 x 635 mm                 |



Oven 125 basic - dry

① \$ 3,258.00  
Ident. No. 0020003216

Oven 125 basic - dry  
glass

② \$ 3,649.00  
Ident. No. 0020003957

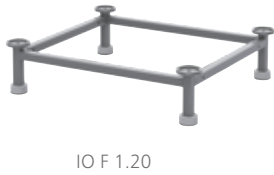


① Oven 125 control - dry  
\$ 5,110.00  
Ident. No. 0020003991

② Oven 125 control - dry  
glass  
\$ 5,594.00  
Ident. No. 0020003997



| TECHNICAL DATA                             | OVEN 125 BASIC<br>(DRY   DRY GLASS) | OVEN 125 CONTROL<br>(DRY   DRY GLASS)          |
|--------------------------------------------|-------------------------------------|------------------------------------------------|
| Principle of heat transfer                 | Natural convection                  | Forced convection (fan adjustable in 10 steps) |
| Total volume inner chamber                 | 125 l                               | 125 l                                          |
| Working temperature                        | RT +5 °C – 250 °C                   | RT +5 °C – 300 °C                              |
| Heat output                                | 2400 W                              | 2400 W                                         |
| Temperature Safety Class (DIN 12880)       | TB (Class 1)                        | TB (Class 1); TWB (Class 2)                    |
| Data logging function                      | No                                  | Yes                                            |
| Cable access port                          | No                                  | Yes                                            |
| Interior lighting                          | No                                  | Yes                                            |
| PT 100 interface                           | No                                  | Yes                                            |
| Protection class according to DIN EN 60529 | IP 20                               | IP 20                                          |
| Dimensions (W × H × D)                     | 700 × 825 × 650 mm                  | 700 × 825 × 650 mm                             |



| Product                                                | Description     | Ident. No. | Price      |
|--------------------------------------------------------|-----------------|------------|------------|
| ACCESSORIES FOR INC 125 INCUBATOR AND INCUBATOR SHAKER |                 |            |            |
| IO T 2.20                                              | Perforated tray | 0020118202 | on request |
| IO T 2.10                                              | Wire grid tray  | 0020118621 | on request |
| IO S 2.10                                              | Stacking kit    | 0020118174 | on request |
| Service - changing of door opening direction           |                 | 0010012073 | on request |

|                                             |           |            |            |
|---------------------------------------------|-----------|------------|------------|
| ACCESSORIES FOR INC 125 F DIGITAL INCUBATOR |           |            |            |
| IO L 2.10                                   | Door lock | 0035004372 | on request |

|                                                     |                                           |            |            |
|-----------------------------------------------------|-------------------------------------------|------------|------------|
| ACCESSORIES FOR INC 125 FS DIGITAL INCUBATOR SHAKER |                                           |            |            |
| IO SP 20                                            | Shaker platform with 20 mm shaking stroke | 0035004555 | on request |
| IO SP 25                                            | Shaker platform with 25 mm shaking stroke | 0020117011 | on request |
| IO T 2.30                                           | Drip pan                                  | 0020118266 | on request |
| STICKMAX                                            | Universal adhesive mat                    | 0003920000 | \$ 180.00  |
| AS 2.0                                              | Fixing clips, 10 ml                       | 0020016475 | on request |
| AS 2.1                                              | Fixing clips, 25 ml                       | 0001234300 | \$ 36.00   |
| AS 2.2                                              | Fixing clips, 50 ml                       | 0001234400 | \$ 36.00   |
| AS 2.3                                              | Fixing clips, 100 ml                      | 0001234500 | \$ 36.00   |
| AS 2.4                                              | Fixing clips, 200/ 250 ml                 | 0001234600 | \$ 66.00   |
| AS 2.5                                              | Fixing clips, 500 ml                      | 0001234700 | \$ 66.00   |
| AS 2.6                                              | Fixing clips, 1000 ml                     | 0003819300 | \$ 66.00   |
| AS 2.7                                              | Fixing clips, 2000 ml                     | 0020016476 | \$ 151.00  |

|                      |                                         |            |           |
|----------------------|-----------------------------------------|------------|-----------|
| ACCESSORIES FOR OVEN |                                         |            |           |
| IO F 1.20            | Spacer frame                            | 0035001326 | \$ 845.00 |
| PT 100.31            | Temp. sensor, stn. steel, Ø6 mm, 265 mm | 0020009564 | \$ 473.00 |

|                                        |                              |            |             |
|----------------------------------------|------------------------------|------------|-------------|
| ACCESSORIES FOR ALL TEMPERING CHAMBERS |                              |            |             |
| IO T 1.00                              | Wire grid tray, chrom plated | 0020024935 | on request  |
| IO T 1.10                              | Enhanced wire grid tray      | 0020007600 | \$ 358.00   |
| IO F 1.10                              | Roller frame                 | 0020007601 | \$ 1,247.00 |
| IO B 1.10                              | Roller box                   | 0020007602 | \$ 1,426.00 |
| IO P 1.10                              | Table top work plate         | 0020007603 | \$ 1,247.00 |

This separation will be easy for you. Because the IKA RV 3, RV 8, RV 10 digital, RV 10 auto and RV 10 auto pro rotary evaporators set new standards in distillation. They are particularly safe, economical and user-friendly. They owe this to state-of-the-art technology and innovative design. And now there is also a complete solution for your rotary evaporator setup: RV 10 auto pro V-C Complete.



RV 10 AUTO PRO V-C COMPLETE  
/// Complete solution for your setup

In addition to the RV 10 auto pro rotary evaporator, this package includes the HB digital heating bath with a capacity of 4 liters, the VACSTAR digital vacuum pump and the RC 2 lite recirculating chiller. So everything you need for operation is already included.

THE FLAGSHIP FOR DISTILLING

The RV 10 auto pro rotary evaporator impresses with intuitive operation, an integrated vacuum controller, automatic vacuum control, cooling water monitoring and sophisticated safety standards. It is efficient, economical and safe in operation. Its innovative features include the patented volume-controlled distillation, soft start, interval operation and the timer function.

THE MOST COMPACT COOLER

400 watts cooling capacity and a pump pressure of 0.35 bar: The package includes the new compact RC 2 lite recirculating chiller. It focuses on the essentials in every respect. This makes it space-saving, powerful, economical and the perfect complement to the rotary evaporator.

THE SPACE SAVING VACUUM PUMP

The VACSTAR digital vacuum pump included in the package is extremely space-saving and achieves a minimum vacuum of 2 mbar. It is controlled directly from the RV 10 auto drive unit via the supplied data cable and automatically detects the boiling points. The vacuum safety emission condenser VSE 1 ensures special safety.

① RV 3 V  
\$ 4,172.00  
Ident. No. 0010003491

② RV 3 V-C  
\$ 4,310.00  
Ident. No. 0010003492

③ RV 3 FLEX  
\$ 3,129.00  
Ident. No. 0010003493

④ RV 3 Dry Ice Condenser  
\$ 4,659.00  
Ident. No. 0010003494

⑤ RV 3 Dry Ice Condenser, coated  
\$ 4,799.00  
Ident. No. 0010003495



① RV 8 V  
\$ 5,057.00  
Ident. No. 0010003570

② RV 8 V-C  
\$ 5,226.00  
Ident. No. 0010003571

③ RV 8 FLEX  
\$ 3,972.00  
Ident. No. 0010003572

④ RV 8 Dry Ice Condenser  
\$ 5,561.00  
Ident. No. 0010003573

⑤ RV 8 Dry Ice Condenser, coated  
\$ 5,713.00  
Ident. No. 0010003574



| TECHNICAL DATA                             | RV 3                     | RV 8                     |
|--------------------------------------------|--------------------------|--------------------------|
| Motor type                                 | Brushless DC drive motor | Brushless DC drive motor |
| Speed range                                | 20 – 300 rpm             | 5 – 300 rpm              |
| Speed display                              | Scale                    | Digital                  |
| Heating temperature range                  | RT – 99 °C               | RT – 180 °C              |
| Type of cooling                            | Vertical                 | Vertical                 |
| Cooling surface                            | 1600 cm²                 | 1600 cm²                 |
| Soft start                                 | Yes                      | Yes                      |
| Head angle adjustable                      | 0 to 60 °                | 0 to 45 °                |
| Stroke displacement                        | 150 mm, manual           | 120 mm, manual           |
| Vacuum controller                          | Optional                 | Optional                 |
| Dimensions (W × H × D) without glass parts | 440 × 530 × 330 mm       | 510 × 490 × 345 mm       |
| Protection class acc. to DIN EN 60529      | IP 20                    | IP 20                    |

RV Complete Solutions on page 164



RV 8 pro V Complete



- ①

**RV 10 digital V**  
\$ 5,432.00  
Ident. No. 0010005184
- ②

**RV 10 digital V-C**  
\$ 5,601.00  
Ident. No. 0010005185
- ③

**RV 10 digital FLEX**  
\$ 4,712.00  
Ident. No. 0010005186
- ④

**RV 10 digital Dry Ice Condenser**  
\$ 5,941.00  
Ident. No. 0010005209
- ⑤

**RV 10 digital Dry Ice Condenser, coated**  
\$ 6,110.00  
Ident. No. 0010005210



| TECHNICAL DATA                             | RV 10 DIGITAL            |
|--------------------------------------------|--------------------------|
| Motor type                                 | Brushless DC drive motor |
| Speed range                                | 5 – 280 rpm              |
| Speed display                              | Digital                  |
| Clockwise and counter-clockwise            | Yes                      |
| Heating temperature range                  | RT – 180 °C              |
| Type of cooling                            | Vertical                 |
| Cooling surface                            | 1600 cm²                 |
| Filling volume max.                        | 4 l                      |
| Soft start                                 | Yes                      |
| Head angle adjustable                      | 0 to 45°                 |
| Stroke displacement                        | 140 mm, motorized        |
| Setting of lower end stop                  | 60 mm, contact free      |
| Vacuum controller                          | Optional                 |
| Dimensions (W × H × D) without glass parts | 500 × 430 × 440 mm       |
| Protection class acc. to DIN EN 60529      | IP 20                    |



- ①

**RV 10 auto pro V**  
\$ 13,353.00  
Ident. No. 0010005195\*
- ②

**RV 10 auto pro V-C**  
\$ 13,509.00  
Ident. No. 0010005196\*
- ③

**RV 10 auto pro FLEX**  
\$ 12,608.00  
Ident. No. 0010005197\*
- ④

**RV 10 auto pro V-C Complete**  
\$ 15,817.00  
Ident. No. 0010007358



| TECHNICAL DATA                             | RV 10 AUTO PRO           |
|--------------------------------------------|--------------------------|
| Motor type                                 | Brushless DC drive motor |
| Speed range                                | 5 – 300 rpm              |
| Speed display                              | Digital                  |
| Clockwise and counter-clockwise            | Yes                      |
| Heating temperature range                  | RT – 180 °C              |
| Type of cooling                            | Vertical                 |
| Cooling surface                            | 1600 cm²                 |
| Filling volume max.                        | 4 l                      |
| 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               |
| Dimensions (W × H × D) without glass parts | 500 × 430 × 440 mm       |
| Protection class acc. to DIN EN 60529      | IP 20                    |

\*Pro packages include VACSTAR digital



RV 10.1  
RV 10.1 enlarged surface



RV 10.3  
RV 10.4



RV 10.400  
RV 10.500



RV 10.600  
RV 10.606



RV 10.84  
RV 10.301

| Product                       | Description                                    | Ident. No. | Price       |
|-------------------------------|------------------------------------------------|------------|-------------|
| ACCESSORIES RV 10, RV 8, RV 3 |                                                |            |             |
| RV 10.1                       | Set of glassware, vertical                     | 0003655300 | \$ 2,048.00 |
| RV 10.10                      | Set of glassware, vertical, coated             | 0003755400 | \$ 2,138.00 |
| RV 10.1 enlarged surface      | Vertical-condenser, enlarged surface           | 0020019652 | \$ 2,253.00 |
| RV 10.10 enlarged surface     | Vertical-condenser, coated, enlarged surface   | 0020019654 | \$ 2,721.00 |
| RV 10.2                       | Set of glassware, diagonal                     | 0003755300 | \$ 1,602.00 |
| RV 10.20                      | Set of glassware, diagonal, coated             | 0003755500 | \$ 1,757.00 |
| RV 10.3                       | Vertical-intensive condenser, manifold         | 0003741000 | \$ 2,558.00 |
| RV 10.30                      | Vertical-intensive condenser, manifold, coated | 0003741100 | \$ 3,672.00 |
| RV 10.4                       | Dry ice condensor                              | 0003742000 | \$ 2,671.00 |
| RV 10.40                      | Dry ice condensor, coated                      | 0003742100 | \$ 2,947.00 |
| RV 10.5                       | Vertical-condenser, reflux                     | 0003743000 | \$ 2,859.00 |
| RV 10.50                      | Vertical-condenser, reflux, coated             | 0003743100 | \$ 3,233.00 |
| RV 10.6                       | Vertical-intensive condenser, reflux           | 0003744000 | \$ 3,289.00 |
| RV 10.60                      | Vertical-intensive condenser, reflux, coated   | 0003744100 | \$ 3,611.00 |
| RV 05.10                      | Balljoint clamp                                | 0000736600 | \$ 82.00    |
| RV 10.88                      | Clamp, NS 29                                   | 0003683300 | \$ 84.00    |
| RV 10.400                     | Evaporation cylinder, NS 29/32, 500 ml         | 0003738800 | \$ 1,129.00 |
| RV 10.401                     | Evaporation cylinder, NS 29/32, 1500 ml        | 0003738900 | \$ 1,390.00 |
| RV 10.500                     | Foam brake, NS 29/32                           | 0003739200 | \$ 254.00   |
| RV 10.600                     | Distilling spider, NS 29/32, 6 sleeves         | 0003739400 | \$ 954.00   |
| RV 10.601                     | Distilling spider, NS 29/32, 12 sleeves        | 0003739500 | \$ 1,209.00 |
| RV 10.602                     | Distilling spider, NS 29/32, 20 sleeves        | 0003739600 | \$ 2,429.00 |
| RV 10.610                     | Distilling sleeve, 20 ml                       | 0003919400 | \$ 36.00    |
| RV 10.606                     | Distilling spider with 5 flasks, 50 ml         | 0003740800 | \$ 1,592.00 |
| RV 10.607                     | Distilling spider with 5 flasks, 100 ml        | 0003740900 | \$ 1,634.00 |
| RV 10.80                      | Evaporation flask, NS 29/32, 50 ml             | 0003740100 | \$ 69.00    |
| RV 10.800                     | Evaporation flask, coated, NS 29/32, 50 ml     | 0020005330 | on request  |
| RV 10.81                      | Evaporation flask, NS 29/32, 100 ml            | 0003740200 | \$ 83.00    |
| RV 10.810                     | Evaporation flask, coated, NS 29/32, 100 ml    | 0020005331 | \$ 159.00   |
| RV 10.82                      | Evaporation flask, NS 29/32, 250 ml            | 0003740300 | \$ 151.00   |
| RV 10.820                     | Evaporation flask, coated, NS 29/32, 250 ml    | 0020005332 | \$ 242.00   |
| RV 10.83                      | Evaporation flask, NS 29/32, 500 ml            | 0003740400 | \$ 134.00   |
| RV 10.830                     | Evaporation flask, coated, NS 29/32, 500 ml    | 0020005333 | \$ 240.00   |
| RV 10.84                      | Evaporation flask, NS 29/32, 1000 ml           | 0003740500 | \$ 309.00   |
| RV 10.840                     | Evaporation flask, coated, NS 29/32, 1000 ml   | 0004221400 | \$ 273.00   |
| RV 10.85                      | Evaporation flask, NS 29/32, 2000 ml           | 0003740600 | \$ 441.00   |
| RV 10.850                     | Evaporation flask, coated, NS 29/32, 2000 ml   | 0020005334 | \$ 427.00   |
| RV 10.86                      | Evaporation flask, NS 29/32, 3000 ml           | 0003740700 | \$ 441.00   |
| RV 10.860                     | Evaporation flask, coated, NS 29/32, 3000 ml   | 0020005335 | \$ 468.00   |
| RV 10.90                      | Evaporation flask, NS 24/29, 50 ml             | 0003741200 | \$ 36.00    |
| RV 10.91                      | Evaporation flask, NS 24/29, 100 ml            | 0003741300 | \$ 36.00    |



RV 10.103



RV 10.74



RV 10.8001  
RV 10.3000



RV 3.1  
RV 3.4



RV 10.5001



RV 10.5003

| Product                       | Description                                | Ident. No. | Price     |
|-------------------------------|--------------------------------------------|------------|-----------|
| ACCESSORIES RV 3, RV 8, RV 10 |                                            |            |           |
| RV 10.100                     | Receiving flask, KS 35/20, 100 ml          | 0003742200 | \$ 36.00  |
| RV 10.101                     | Receiving flask, KS 35/20, 250 ml          | 0003742300 | \$ 120.00 |
| RV 10.102                     | Receiving flask, KS 35/20, 500 ml          | 0003742400 | \$ 122.00 |
| RV 10.103                     | Receiving flask, KS 35/20, 1000 ml         | 0003742500 | \$ 126.00 |
| RV 10.104                     | Receiving flask, KS 35/20, 2000 ml         | 0003742600 | \$ 208.00 |
| RV 10.105                     | Receiving flask, KS 35/20, 3000 ml         | 0003742700 | \$ 38.005 |
| RV 10.200                     | Receiving flask, coated, KS 35/20, 100 ml  | 0003743200 | \$ 242.00 |
| RV 10.201                     | Receiving flask, coated, KS 35/20, 250 ml  | 0003743300 | \$ 268.00 |
| RV 10.202                     | Receiving flask, coated, KS 35/20, 500 ml  | 0003743400 | \$ 308.00 |
| RV 10.203                     | Receiving flask, coated, KS 35/20, 1000 ml | 0003743500 | \$ 332.00 |
| RV 10.204                     | Receiving flask, coated, KS 35/20, 2000 ml | 0003743600 | \$ 396.00 |
| RV 10.205                     | Receiving flask, coated, KS 35/20, 3000 ml | 0003743700 | \$ 503.00 |
| RV 10.300                     | Powder flask, NS 29/32, 500 ml             | 0003738200 | \$ 347.00 |
| RV 10.301                     | Powder flask, NS 29/32, 1000 ml            | 0003738300 | \$ 691.00 |
| RV 10.302                     | Powder flask, NS 29/32, 2000 ml            | 0003738400 | \$ 332.00 |
| RV 10.70                      | Vapor tube, NS 29/32                       | 0003812200 | \$ 264.00 |
| RV 10.74                      | Vapor tube, short, NS 29/32                | 0003971700 | \$ 211.00 |
| RV 10.8001                    | Seal, PTFE, stn. steel                     | 0003907000 | \$ 152.00 |
| RV 10.3000                    | Extension plate                            | 0003859000 | \$ 293.00 |

|                  |               |            |           |
|------------------|---------------|------------|-----------|
| ACCESSORIES RV 3 |               |            |           |
| RV 3.1           | Support pole  | 0025004587 | \$ 75.00  |
| RV 3.4           | Woulff bottle | 0025004588 | \$ 228.00 |
| RV 10.5005       | Hose kit      | 0020000552 | \$ 235.00 |

|                  |                              |            |           |
|------------------|------------------------------|------------|-----------|
| ACCESSORIES RV 8 |                              |            |           |
| RV 8.1           | Support pole                 | 0004438500 | \$ 271.00 |
| RV 8.2           | Mechanical end stop for RV 8 | 0025001342 | \$ 92.00  |
| RV 8.3           | Stand pole                   | 0025004707 | \$ 195.00 |
| RV 10.5005       | Hose kit                     | 0020000552 | \$ 235.00 |

|                              |                           |            |             |
|------------------------------|---------------------------|------------|-------------|
| ACCESSORIES VALVE RV 10 AUTO |                           |            |             |
| RV 10.5001                   | Choke water valve         | 0003902700 | \$ 1,134.00 |
| RV 10.5002                   | Filter                    | 0003903800 | \$ 215.00   |
| RV 10.5003                   | Pressure regulating valve | 0003907100 | \$ 856.00   |



The IKA centrifuges are ideal for applications which do not require ultra high speeds, e.g. micro-filtrations and cell separations. The centrifuges mini G and G-L feature a compact design and a small footprint. As a safety feature, the IKA centrifuges will only operate when the lid is closed.

The clearest display in its class

### IKA G-L

/// The universal midi centrifuge

Separating substances at medium rotational speeds: IKA G-L is the ideal midi centrifuge for all types of separation processes such as those found in molecular biology. It can be used with standard 1.5 / 2 ml vessels, as well as with PCR strips. The cover opens automatically at the press of a button.

SAFE USE

The centrifuge is fitted with a metal cover and does not start until it is firmly closed.

STATE-OF-THE-ART DISPLAY

The completely intuitive navigation is carried out through a membrane keypad. This allows an easy setting of speed, rotational speed or programmes.

POWERFUL MOTOR

With a rotational speed of up to 15 700 rpm, the centrifuge is fitted with a high-performance motor.



mini G  
\$ 547.00  
Ident. No. 0003958000\*



\*Adapters included in delivery

IKA G-L\*\*  
\$ 1,260.00  
Ident. No. 0030000775



\*\*2 ml rotor set included in delivery

| Product                | Ident. No. | Price      |
|------------------------|------------|------------|
| ACCESSORIES IKA MINI G |            |            |
| Rotor 4 x HPLC         | 0020022341 | on request |
| ACCESSORIES IKA G-L    |            |            |
| PCR Set                | 0030001345 | \$ 296.00  |
| Adapter PCR tube       | 0030001346 | \$ 14.00   |
| Adapter 0.5 ml tube    | 0030001347 | \$ 14.00   |
| Adapter 0.4 ml tube    | 0030001334 | \$ 14.00   |
| 2 ml rotor set         | 0030001333 | \$ 296.00  |



IKA G-L, PCR Set

| TECHNICAL DATA           | IKA MINI G         | IKA G-L            |
|--------------------------|--------------------|--------------------|
| Capacity                 | 8 x 1.5 / 2.0 ml   | 12 x 1.5 / 2.0 ml  |
| Centrifugal acceleration | 2000 G             | 16 500 G           |
| Speed range              | 6000 rpm           | 800 – 15 700 rpm   |
| Unbalance sensor         | No                 | Yes                |
| Timer                    | Yes                | Yes                |
| Quick stop               | Yes                | Yes                |
| Cover opening            | Automatic          | Automatic          |
| Program                  | No                 | Yes                |
| RPM/RCF conversion       | Manually           | Automatically      |
| Dimensions (W x H x D)   | 155 x 105 x 175 mm | 200 x 140 x 280 mm |
| Weight                   | 1.4 kg             | 3.9 kg             |

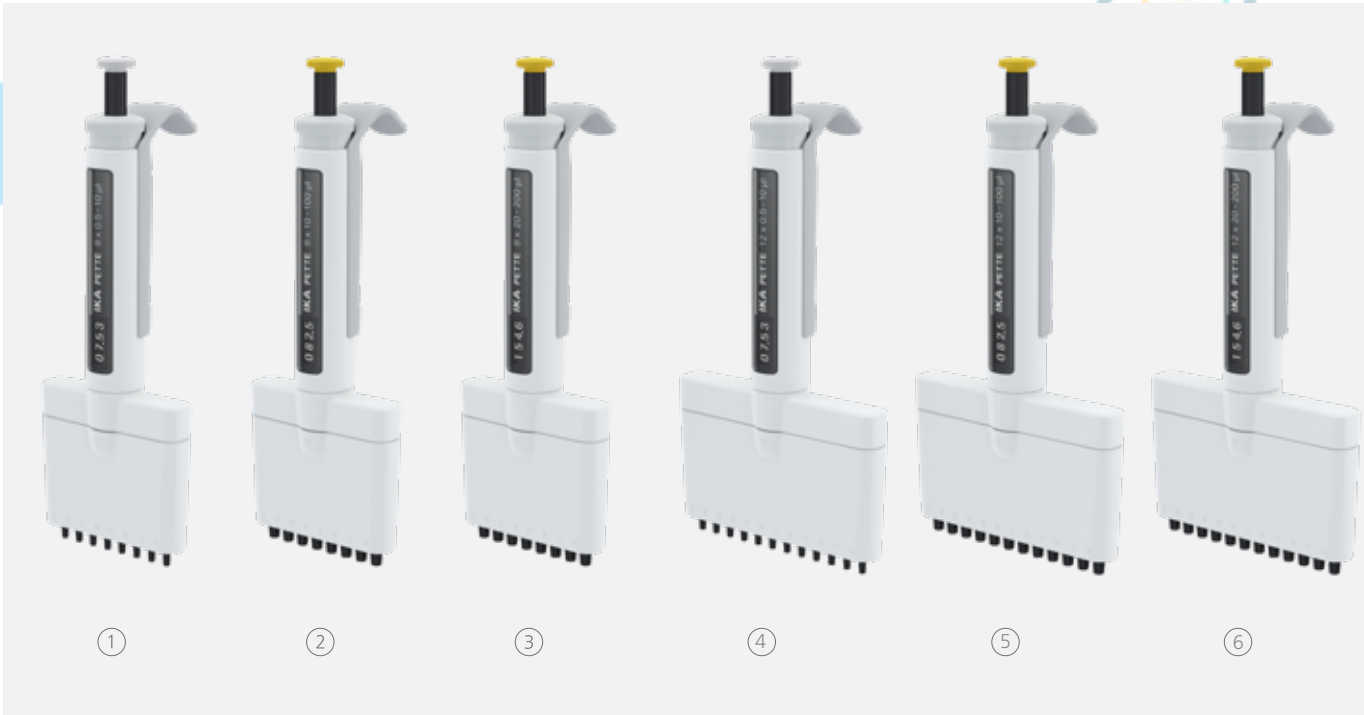
An ergonomic feel combined with uncompromising precise performance: the single channel pipettes fix and vario and multichannel pipettes multi can be used for many applications in the modern laboratory. Color coding simplifies the rapid selection of a suitable pipette. High impact, UV and chemical resistance ensures that the tip cone provides long-term reliable dosing. IKA PETTE fix, vario and multi are fully autoclavable and can be disassembled without tools, therefore ensuring easy sterilization. This guarantees fault-free, precise and safe operation.

PETTE multi  
/// Multichannel pipettes for precise results

PETTE multi: the new multichannel pipette from IKA for easy pipetting in microtiter or deep well plates. Based on the ergonomic PETTE fix and vario single channel pipettes, it combines all the positive features with multiple channels and variable volumes.

**ERGONOMIC DESIGN**  
Just like the proven single channel pipettes, the multichannel pipette is also supplied with three different and interchangeable handles. It therefore fits comfortably in the hand of both right- and left-handed users, small and large hands. Whether volume adjustment or ejection of the pipette tips – thanks to the multifunction knob, all handling can be done effortlessly with one hand.

**DURABLE CONSTRUCTION**  
The tip cone and piston are coated with high-quality diamond-like carbon (DLC) for high chemical resistance and frictionless operation. At the same time, the high-performance pipette has such a minimalist design that it is particularly robust, easy to clean and fully autoclavable. The PETTE series' large mechanical display is conveniently readable at all times. An integrated air space between the cylinder and the mechanics also insulates the pipette so that it does not heat up in the hand.



- PETTE multi  
8 Channel
- ① **PETTE multi**  
**8 x 0.5 – 10 µl**  
\$ 670.00  
Ident. No. 0020017943
  - ② **PETTE multi**  
**8 x 10 – 100 µl**  
\$ 670.00  
Ident. No. 0020017944
  - ③ **PETTE multi**  
**8 x 20 – 200 µl**  
\$ 670.00  
Ident. No. 0020017945

- PETTE multi  
12 Channel
- ④ **PETTE multi**  
**12 x 0.5 – 10 µl**  
\$ 769.00  
Ident. No. 0020017946
  - ⑤ **PETTE multi**  
**12 x 10 – 100 µl**  
\$ 769.00  
Ident. No. 0020017947
  - ⑥ **PETTE multi**  
**12 x 20 – 200 µl**  
\$ 769.00  
Ident. No. 0020017948

| PETTE multi |                  | MAX. VOLUME TIP |
|-------------|------------------|-----------------|
| ①           | 8 x 0.5 – 10 µl  | 10 µl           |
| ②           | 8 x 10 – 100 µl  | 200 µl          |
| ③           | 8 x 20 – 200 µl  | 200 µl          |
| ④           | 12 x 0.5 – 10 µl | 10 µl           |
| ⑤           | 12 x 10 – 100 µl | 200 µl          |
| ⑥           | 12 x 20 – 200 µl | 200 µl          |





① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩



- ① **PETTE fix 5 µl**  
\$ 205.00  
Ident. No. 0020011219

② **PETTE fix 10 µl**  
\$ 205.00  
Ident. No. 0020011220

③ **PETTE fix 20 µl**  
\$ 205.00  
Ident. No. 0020011221

④ **PETTE fix 25 µl**  
\$ 205.00  
Ident. No. 0020011222

⑤ **PETTE fix 50 µl**  
\$ 205.00  
Ident. No. 0020011223

⑥ **PETTE fix 100 µl**  
\$ 205.00  
Ident. No. 0020011224

⑦ **PETTE fix 200 µl**  
\$ 205.00  
Ident. No. 0020011225

⑧ **PETTE fix 250 µl**  
\$ 205.00  
Ident. No. 0020011226

⑨ **PETTE fix 500 µl**  
\$ 205.00  
Ident. No. 0020011227

⑩ **PETTE fix 1000 µl**  
\$ 205.00  
Ident. No. 0020011228

|   | PETTE FIX | MAX. VOLUME TIP |
|---|-----------|-----------------|
| ① | 5 µl      | 10 µl           |
| ② | 10 µl     | 10 µl           |
| ③ | 20 µl     | 200 µl          |
| ④ | 25 µl     | 200 µl          |
| ⑤ | 50 µl     | 200 µl          |
| ⑥ | 100 µl    | 200 µl          |
| ⑦ | 200 µl    | 200 µl          |
| ⑧ | 250 µl    | 1000 µl         |
| ⑨ | 500 µl    | 1000 µl         |
| ⑩ | 1000 µl   | 1000 µl         |



① ② ③ ④ ⑤ ⑥ ⑦ ⑧



- ① **PETTE vario 0.1 – 2 µl**  
\$ 273.00  
Ident. No. 0020011210

② **PETTE vario 0.5 – 10 µl**  
\$ 273.00  
Ident. No. 0020011211

③ **PETTE vario 2 – 20 µl**  
\$ 273.00  
Ident. No. 0020011213

④ **PETTE vario 10 – 100 µl**  
\$ 273.00  
Ident. No. 0020011214

⑤ **PETTE vario 20 – 200 µl**  
\$ 273.00  
Ident. No. 0020011215

⑥ **PETTE vario 100 – 1000 µl**  
\$ 273.00  
Ident. No. 0020011216

⑦ **PETTE vario 0.5 – 5 ml**  
\$ 273.00  
Ident. No. 0020011217

⑧ **PETTE vario 1 – 10 ml**  
\$ 273.00  
Ident. No. 0020011218

|   | PETTE VARIO   | MAX. VOLUME TIP |
|---|---------------|-----------------|
| ① | 0.1 – 2 µl    | 10 µl           |
| ② | 0.5 – 10 µl   | 10 µl           |
| ③ | 2 – 20 µl     | 200 µl          |
| ④ | 10 – 100 µl   | 200 µl          |
| ⑤ | 20 – 200 µl   | 200 µl          |
| ⑥ | 100 – 1000 µl | 1000 µl         |
| ⑦ | 0.5 – 5 ml    | 5 ml            |
| ⑧ | 1 – 10 ml     | 10 ml           |

PETTE MicroKit A

\$ 870.00  
Ident. No. 0010007638



PETTE MicroKit B

\$ 870.00  
Ident. No. 0010007639



PETTE Classic Kit

\$ 870.00  
Ident. No. 0010007640



PETTE MacroKit

\$ 902.00  
Ident. No. 0010007641



PETTE MicroKit A

- › PETTE vario 0.1 – 2 µl
- › PETTE vario 0.5 – 10 µl
- › PETTE vario 10 – 100 µl
- › LINEA Pipette rack
- › Tip xs box
- › Tip s box

PETTE MicroKit B

- › PETTE vario 0.1 – 2 µl
- › PETTE vario 2 – 20 µl
- › PETTE vario 20 – 200 µl
- › LINEA Pipette rack
- › Tip xs box
- › Tip s box

PETTE Classic Kit

- › PETTE vario 2 – 20 µl
- › PETTE vario 20 – 200 µl
- › PETTE vario 100 – 1000 µl
- › LINEA Pipette rack
- › Tip s box
- › Tip m box

PETTE MacroKit

- › PETTE vario 100 – 1000 µl
- › PETTE vario 0.5 – 5 ml
- › PETTE vario 1 – 10 ml
- › LINEA Pipette rack
- › Tip m box
- › Tip l box
- › Tip xl box



RONDA



Universal fit  
pipette tips



Filter XL      Filter L

| Product         | Description                                          | Ident. No. | Price     |
|-----------------|------------------------------------------------------|------------|-----------|
| ACCESSORIES     |                                                      |            |           |
| LINEA           | Pipette rack                                         | 0020018987 | \$ 65.00  |
| RONDA           | Carousel stand for up to 6 pipettes                  | 0020107134 | \$ 103.00 |
| Tip xs bag      | Pipette tip, 10 µl, transparent, 10 000 pcs.         | 0020017816 | \$ 495.00 |
| Tip 10 µl bag   | Pipette tip, 10 µl, transparent, 1000 pcs.           | 0020114634 | \$ 19.00  |
| Tip xs tray     | Pipette tip, 10 µl, transparent, 2304 pcs.           | 0020017818 | \$ 159.00 |
| Tip xs box      | Pipette tip, 10 µl, transparent, 1920 pcs.           | 0020101786 | \$ 195.00 |
| Tip xs box +    | Filter tip, 10 µl, sterile, transparent, 1920 pcs.   | 0020017820 | \$ 324.00 |
| Tip s bag       | Pipette tip, 200 µl, transparent, 10 000 pcs.        | 0020017822 | \$ 324.00 |
| Tip 200 µl bag  | Pipette tip, 200 µl, transparent, 1000 pcs.          | 0020114635 | \$ 16.00  |
| Tip s tray      | Pipette tip, 200 µl, transparent, 1920 pcs.          | 0020017823 | \$ 143.00 |
| Tip s box       | Pipette tip, 200 µl, transparent, 1920 pcs.          | 0020101787 | \$ 195.00 |
| Tip s box +     | Filter tip, 200 µl, sterile, transparent, 1920 pcs.  | 0020017824 | \$ 324.00 |
| Tip m bag       | Pipette tip, 1000 µl, transparent, 5000 pcs.         | 0020017826 | \$ 188.00 |
| Tip 1000 µl bag | Pipette tip, 1000 µl, transparent, 1000 pcs.         | 0020114635 | \$ 16.00  |
| Tip m tray      | Pipette tip, 1000 µl, transparent, 1920 pcs.         | 0020100421 | \$ 173.00 |
| Tip m box       | Pipette tip, 1000 µl, transparent, 1920 pcs.         | 0020101788 | \$ 195.00 |
| Tip m box +     | Filter tip, 1000 µl, sterile, transparent, 1920 pcs. | 0020100000 | \$ 455.00 |
| Tip l bag       | Pipette tip, 5 ml, transparent, 2500 pcs.            | 0020017829 | \$ 415.00 |
| Tip l box       | Pipette tip, 5 ml, transparent, 500 pcs.             | 0020017830 | \$ 211.00 |
| Tip xl bag      | Pipette tip, 10 ml, transparent, 1000 pcs.           | 0020017831 | \$ 427.00 |
| Tip xl box      | Pipette tip, 10 ml, transparent, 250 pcs.            | 0020017832 | \$ 263.00 |
| Filter L        | Filter for single-channel pipette 5 ml, 100 pcs.     | 0020016449 | \$ 105.00 |
| Filter XL       | Filter for single-channel pipette 10 ml, 100 pcs.    | 0020016450 | \$ 105.00 |
| PETTE.GR.1      | Pipette grease, 1 g                                  | 0020017692 | \$ 4.00   |



SOFTWARE  
Pipette Calibration Software

\$ 347.00  
Ident. No. 0020022141

User-friendly calibration software for planning,  
performing and recording all calibration tests.

Free 30 day trial  
available



We are expanding the portfolio of IKA reactor systems: EasySyn is optimized for organic and aqueous syntheses. As a result, the controllable and reproducible reaction conditions make EasySyn ideal for applications in research and development, the chemical industry or materials research.

NEW!

EasySyn Advanced Reactor system

/// The reactor system for chemical synthesis



EVERYTHING FROM ONE HAND

EasySyn is the only reactor system for which you can get all the complementary components from a single source: Overhead stirrers, circulators, vacuum pumps and controllers, sensors and automation software. All from IKA and all perfectly matched to each other.

WIDE RANGE OF APPLICATIONS

The EasySyn reactor systems are characterized by a wide range of applications such as reflux condensations, reactions under vacuum, crystallizations, (pH-controlled) precipitation reactions, nanoparticle or catalyst syntheses as well as the transfer from laboratory to process scale.

ERGONOMIC AND SAFE

They are unique thanks to the ergonomically designed stand. It allows quick and easy exchange of the reactor vessels, simple alignment of the stirrer and adjustment of the working height to the user's body size.

EasySyn 500 Starter Reactor System

\$ 8,091.00  
Ident. No. 0020113433



EasySyn 2000 Starter Reactor System

\$ 9,152.00  
Ident. No. 0020113438



EasySyn 1000 Starter Reactor System

\$ 8,205.00  
Ident. No. 0020113435

EasySyn 5000 Starter Reactor System

\$ 9,557.00  
Ident. No. 0020113442

EasySyn 500 Advanced Reactor System

\$ 11,277.00  
Ident. No. 0020113434



EasySyn 2000 Advanced Reactor System

\$ 12,338.00  
Ident. No. 0020113440

EasySyn 5000 Advanced Reactor System

\$ 12,743.00  
Ident. No. 0020113443



| TECHNICAL DATA                              | EasySyn Starter                                 | EasySyn Advanced     |
|---------------------------------------------|-------------------------------------------------|----------------------|
| Useful volume max.                          | 500 ml, 1000 ml, 2000 ml, 5000 ml               |                      |
| Operating temperature                       | -50 °C – 200 °C                                 |                      |
| Attainable vacuum                           | 3 mbar                                          |                      |
| Openings reactor vessel (number / standard) | 1 × centre NS 29/32, 2 × NS 29/32, 1 × NS 14/23 |                      |
| Stand dimensions (W × H × D)                | 500 × 950 × 580 mm                              |                      |
| Draining set LT 5.40                        | –                                               | inclusive            |
| Overhead stirrer                            | EUROSTAR 60 digital                             | EUROSTAR 100 control |
| Torque max. at the stirrer shaft            | 60 Ncm                                          | 100 Ncm              |
| Timer                                       | –                                               | Yes                  |
| RS 232 interface                            | –                                               | Yes                  |
| USB interface                               | –                                               | Yes                  |
| Reversible direction of rotation            | –                                               | Yes                  |
| Torque display                              | –                                               | Yes                  |



EasySyn Configurator



| Product             | Description                                   | Ident. No. | Price       |
|---------------------|-----------------------------------------------|------------|-------------|
| ACCESSORIES EASYSYN |                                               |            |             |
| SY 500              | Reactor vessels 500 ml                        | 0020113459 | \$ 1,380.00 |
| SY 500 D            | Reactor vessels 500 ml with bottom discharge  | 0020113460 | \$ 2,563.00 |
| SY 1000             | Reactor vessels 1000 ml                       | 0020113461 | \$ 1,481.00 |
| SY 1000 D           | Reactor vessels 1000 ml with bottom discharge | 0020113462 | \$ 2,726.00 |
| SY 2000             | Reactor vessels 2000 ml                       | 0020113463 | \$ 2,351.00 |
| SY 2000 D           | Reactor vessels 2000 ml with bottom discharge | 0020113464 | \$ 3,661.00 |
| SY 5000             | Reactor vessels 5000 ml                       | 0020113465 | \$ 2,751.00 |
| SY 5000 D           | Reactor vessels 5000 ml with bottom discharge | 0020113466 | \$ 4,199.00 |
| SY 100.1            | Reactor lid DN 100                            | 0020113649 | \$ 540.00   |
| SY 100.2            | Reactor lid DN 100                            | 0020116965 | \$ 930.00   |
| SY 150.1            | Reactor lids DN 150                           | 0020113660 | \$ 761.00   |
| SY 150.2            | Reactor lids DN 150                           | 0020113661 | \$ 955.00   |
| R 4011 SY           | Propeller stirrer, PTFE, 400 mm               | 0020114111 | \$ 337.00   |
| R 4012 SY           | Propeller stirrer, PTFE, 480 mm               | 0020114112 | \$ 363.00   |
| R 4013 SY           | Propeller stirrer, PTFE, 530 mm               | 0020114113 | \$ 404.00   |
| R 4021 SY           | Anchor stirrer, PTFE, 410 mm                  | 0020114114 | \$ 404.00   |
| R 4022 SY           | Anchor stirrer, PTFE, 530 mm                  | 0020114115 | \$ 444.00   |
| LT 5.40             | Draining set for Reactor system               | 0020113266 | \$ 2,447.00 |
| SY stand            | Stand system                                  | 0020103316 | \$ 4,222.00 |
| SY clamp 100        | Vessel clamp DN 100                           | 0020105944 | \$ 874.00   |
| SY clamp ring 100   | Clamp ring DN 100                             | 0020113866 | \$ 206.00   |
| SY O-ring 100       | O-Ring DN 100                                 | 0020113867 | \$ 66.00    |
| SY guide            | Stirrer guide                                 | 0020109139 | \$ 404.00   |
| SY clamp 150        | Clamp ring DN 150                             | 0020105879 | \$ 1,009.00 |
| SY clamp ring 150   | Clamp ring DN 150                             | 0020113868 | \$ 241.00   |
| SY O-ring 150       | O-Ring DN 150                                 | 0020113869 | \$ 83.00    |
| SY NS.6             | Swivelling screw fitting 6 mm                 | 0020113165 | \$ 173.00   |
| SY NS.8             | Swivelling screw fitting 8 mm                 | 0020113164 | \$ 162.00   |
| SY NS.12            | Swivelling screw fitting 12 mm                | 0020113163 | \$ 162.00   |
| LT 5.30             | Tempering hose 800 mm                         | 0020108012 | \$ 872.00   |
| LT 5.31             | Tempering hose 1200 mm                        | 0020110278 | \$ 968.00   |
| LT 5.32             | Tempering hose 1600 mm                        | 0020113271 | \$ 1,064.00 |
| PT 100.300          | Temperature sensor 300 mm                     | 0020114304 | \$ 484.00   |
| PT 100.500          | Temperature sensor 500 mm                     | 0020114305 | \$ 525.00   |
| SY pH 325           | pH-Electrode 325 mm                           | 0020114414 | \$ 1,075.00 |
| SY pH 425           | pH-Electrode 425 mm                           | 0020114415 | \$ 1,144.00 |
| SY C1               | Reflux condenser                              | 0020113927 | \$ 209.00   |

LR 1000 basic Package  
\$ 14,155.00  
Ident. No. 0008040101



With just one base unit multiple vessels can be used!

LR 1000 control System  
\$ 17,626.00  
Ident. No. 0025001992



reddot design award  
winner 2013  
German Design Award  
SPECIAL MENTION 2015

Weighing range:  
max. 2 kg

TECHNICAL DATA

|                                             |                             |
|---------------------------------------------|-----------------------------|
| Usable volume (with disperser tool)         | 500 – 1000 ml               |
| Attainable vacuum                           | 25 mbar                     |
| Max. viscosity                              | 100 000 mPas                |
| Speed range                                 | 10 – 150 rpm                |
| Display                                     | LED                         |
| Working temperature max.                    | 120 °C                      |
| Vessel specification                        | FKM sealing; achhor stirrer |
| pH measurement                              | –                           |
| Cooling water control                       | –                           |
| Heat control accuracy of medium with sensor | ± 0.2 K                     |
| Heat output                                 | 1000 W                      |
| Dimensions (W x H x D)                      | 443 x 360 x 295 mm          |

LR 1000 BASIC\*

|                                             |                             |
|---------------------------------------------|-----------------------------|
| Usable volume (with disperser tool)         | 500 – 1000 ml               |
| Attainable vacuum                           | 25 mbar                     |
| Max. viscosity                              | 100 000 mPas                |
| Speed range                                 | 10 – 150 rpm                |
| Display                                     | LED                         |
| Working temperature max.                    | 120 °C                      |
| Vessel specification                        | FKM sealing; achhor stirrer |
| pH measurement                              | –                           |
| Cooling water control                       | –                           |
| Heat control accuracy of medium with sensor | ± 0.2 K                     |
| Heat output                                 | 1000 W                      |
| Dimensions (W x H x D)                      | 443 x 360 x 295 mm          |

LR 1000 CONTROL SYSTEM\*

|                                             |                                           |
|---------------------------------------------|-------------------------------------------|
| Usable volume (with disperser tool)         | 500 – 1000 ml                             |
| Attainable vacuum                           | 25 mbar                                   |
| Max. viscosity                              | 100 000 mPas                              |
| Speed range                                 | 10 – 150 rpm                              |
| Display                                     | TFT                                       |
| Working temperature max.                    | 120 °C                                    |
| Vessel specification                        | FFKM sealing; anchor stirrer with scraper |
| pH measurement                              | Yes (BNC)                                 |
| Cooling water control                       | Yes                                       |
| Heat control accuracy of medium with sensor | ± 0.2 K                                   |
| Heat output                                 | 1000 W                                    |
| Dimensions (W x H x D)                      | 443 x 360 x 295 mm                        |



LR-2.ST  
The High-Performer

\$ 20,013.00  
Ident. No. 0020013404

LR-2.ST stand system  
+ LR-2.SI safety disconnection  
+ EUROSTAR 200 control P4  
overhead stirrer



LR-2.ST  
The Allrounder

\$ 18,584.00  
Ident. No. 0020013402

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



LR-2.ST  
The Versatile

\$ 18,011.00  
Ident. No. 0020013408

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



LR-2.ST  
The Compact Power

\$ 16,170.00  
Ident. No. 0020013406

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



| TECHNICAL DATA                                          | LR-2.ST                                                               |
|---------------------------------------------------------|-----------------------------------------------------------------------|
| Min. volume (anchor stirrer)                            | 500 ml                                                                |
| Min. volume (T 25 digital)                              | 800 ml                                                                |
| Max. volume                                             | 2000 ml                                                               |
| Max. working temperature                                | 230 °C                                                                |
| Attainable vacuum                                       | 25 mbar                                                               |
| Max. viscosity (EUROSTAR 200 control P4)                | 150 000 mPas                                                          |
| Speed range (EUROSTAR 200 control P4)                   | 0/4 – 530 rpm                                                         |
| Max. torque at stirring shaft (EUROSTAR 200 control P4) | 660 Ncm                                                               |
| Materials in contact with medium                        | Stainless steel (AISI 316L)<br>FFPM<br>Borosilicate glass 3.3<br>PTFE |
| Height of telescopic stand                              | 620 – 1010 mm                                                         |
| Dimensions (W × H × D)                                  | 460 × 1240 × 430 mm                                                   |

LR-2.ST STARVISC 200

/// Stirs and displays viscosity

The reactor system is particularly helpful for product development, due to the used overhead stirrer, STARVISC 200-2.5 control, which is able to measure viscosity while stirring. This feature enables unique process monitoring and control during synthesis or mixing. Using the agitator mounting, a safe transfer of the high motor torque is feasible, which enables stirring of even highly viscous substances.

In addition, ULTRA-TURRAX® dispersers, temperature sensors, flow breakers and other accessories can be attached to the open ports of the reactor cover.

| TECHNICAL DATA                   | LR-2.ST STARVISC 200                                                  |
|----------------------------------|-----------------------------------------------------------------------|
| Min. volume (anchor stirrer)     | 500 ml                                                                |
| Max. volume                      | 2000 ml                                                               |
| Max. working temperature         | 230 °C                                                                |
| Attainable vacuum                | 25 mbar                                                               |
| Max. viscosity                   | 100 000 mPas                                                          |
| Speed min.                       | 6 rpm                                                                 |
| Max. torque at stirring shaft    | 200 Ncm                                                               |
| Materials in contact with medium | Stainless steel (AISI 316L)<br>FFPM<br>Borosilicate glass 3.3<br>PTFE |
| Telescope stand stroke           | 620 – 1010 mm                                                         |
| Dimensions (W × H × D)           | 460 × 1240 × 430 mm                                                   |

LR-2.ST STARVISC 200

\$ 19,293.00  
Ident. No. 0020020604





WiCo LR 1000      LR 1000.3



LR 1000.10      LR 1000.20



LR 1000.41      LR 1000.64



LR 1000.70      MV 1



LR 2000.10



LR 2000.11



LR 2.1      LR 2000.1



LR 2000.2



LR 2000.3



LR 2000.4

| Product             | Description                                                                             | Ident. No. | Price        |
|---------------------|-----------------------------------------------------------------------------------------|------------|--------------|
| ACCESSORIES LR 1000 |                                                                                         |            |              |
| WiCo LR 1000        | Wireless controller                                                                     | 0020007267 | on request   |
| LR 1000.1           | Reactor vessel, 1000 ml, FKM sealings, 4 connectors, anchor stirrer                     | 0003602000 | \$ 4,412.00  |
| LR 1000.3           | Reactor vessel, 1000 ml, FFKM sealings, 6 connectors, anchor stirrer with PEEK scrapers | 0025001955 | \$ 4,776.00  |
| LR 1000.10          | Anchor stirrer with PEEK scrapers                                                       | 0004663100 | \$ 1,179.00  |
| LR 1000.11          | Anchor stirrer, stainless steel                                                         | 0004663000 | \$ 483.00    |
| LR 1000.20          | Flow breaker / baffle, stainless steel                                                  | 0004663200 | \$ 639.00    |
| LR 1000.41          | Shaft receptacle for dispersing tool                                                    | 0004664300 | \$ 892.00    |
| LR 1000.61          | Temperature sensor receptacle                                                           | 0004664400 | \$ 863.00    |
| LR 1000.62          | Sensor receptacle GL 14                                                                 | 0020010508 | \$ 704.00    |
| LR 1000.64          | pH electrode                                                                            | 0004663300 | \$ 1,162.00  |
| LR 1000.65          | pH electrode receptacle                                                                 | 0004663400 | \$ 991.00    |
| LR 1000.70          | Lid holder                                                                              | 0025003123 | \$ 538.00    |
| MV 1                | Magnetic valve for cooling water control, max. 100 °C                                   | 0020003763 | \$ 785.00    |
| Holder MV 1         | Holder for cooling water control valve                                                  | 0020019816 | on request   |
| ACCESSORIES LR-2.ST |                                                                                         |            |              |
| LR-2.SI             | Safety stop                                                                             | 0003318300 | \$ 3,712.00  |
| LR 2000.10          | Anchor stirrer with PEEK scraper                                                        | 0002508400 | \$ 2,135.00  |
| LR 2000.11          | Anchor stirrer, stainless steel                                                         | 0002509500 | \$ 997.00    |
| LR 2000.20          | Flow breaker / baffle, stn. steel                                                       | 0002508500 | \$ 991.00    |
| LR 2.1              | Glass reactor vessel, single-walled, 2000 ml                                            | 0003070000 | \$ 2,491.00  |
| LR 2000.1           | Glass reactor vessel, double-walled, 2000 ml                                            | 0002508300 | \$ 3,667.00  |
| LR 2000.2           | Glass reactor vessel, double-walled, bot. drain 2000 ml                                 | 0002509600 | \$ 4,909.00  |
| LR 2000.3           | Stainless steel reactor vessel, double-walled, 2000 ml                                  | 0002509700 | \$ 7,064.00  |
| LR 2000.4           | Stainless steel reactor vessel, double-walled, bot. drain, 2000 ml                      | 0003064900 | \$ 12,008.00 |



HBR 4 control LR



LT 5.28



T 25 digital LR

| Product             | Description                            | Ident. No. | Price       |
|---------------------|----------------------------------------|------------|-------------|
| ACCESSORIES LR-2.ST |                                        |            |             |
| LR 2000.40          | Shaft receptacle                       | 0002509200 | \$ 1,115.00 |
| LR 2000.60          | Sensor receptacle                      | 0002509300 | \$ 862.00   |
| LR 2000.64          | pH process electrode                   | 0020010075 | \$ 1,646.00 |
| LR 2000.65          | pH measuring sensor receptacle         | 0003172600 | \$ 1,163.00 |
| LR-2.SP             | Splinter shield                        | 0003326400 | \$ 1,908.00 |
| LT 5.23             | Hose adapter set                       | 0002235000 | \$ 630.00   |
| LT 5.25             | Lock coupling set                      | 0020000878 | \$ 560.00   |
| LT 5.26             | Lock adapter set                       | 0020000879 | \$ 630.00   |
| LT 5.27             | Hose adapter set                       | 0020000880 | \$ 560.00   |
| LT 5.28             | Pressure control valve                 | 0020100227 | on request  |
| H 68.55             | Temp. sensor, stn. steel, Ø 6 mm       | 0025007921 | \$ 458.00   |
| HBR 4 control LR    | Heating bath, 4 l                      | 0010001849 | on request  |
| PT 1000.61          | Temperature sensor, stn. steel, Ø 6 mm | 0020009881 | \$ 521.00   |

|                            |                                    |            |             |
|----------------------------|------------------------------------|------------|-------------|
| ACCESSORIES REACTOR SYSTEM |                                    |            |             |
| T 25 digital LR            | Disperser                          | 0020008820 | \$ 2,357.00 |
| S 25 KV - 25 G             | Dispersing element, Ø 25 mm        | 0002466900 | \$ 3,020.00 |
| S 25 KV - 25 F             | Dispersing element, Ø 25 mm        | 0002404000 | \$ 2,957.00 |
| S 25 KV - 26 LR            | Dissolver stirrer, high speed      | 0020015397 | \$ 2,758.00 |
| S 25 KD - LR - 25 G        | Dispersing element, length: 267 mm | 0025007321 | \$ 3,022.00 |
| S 25 KD - LR - 25 F        | Dispersing element, length: 267 mm | 0025007322 | \$ 3,022.00 |



S 25 KD - LR - 25 G



S 25 KD - LR - 25 F



magic PLANT basic

Price on request  
Ident. No. 0020001210

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



magic PLANT inline

Price on request  
Ident. No. 0020004242

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

Price on request  
Ident. No. 0020001795

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



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.

| TECHNICAL DATA              | MAGIC PLANT BASIC                                                   | MAGIC PLANT INLINE                                                  | MAGIC PLANT POWDER     |
|-----------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|
| Max. admissible temperature | 150 °C                                                              | 80 / 120 °C                                                         | 150 °C                 |
| Working pressure range      | -1 to 2.5 bar (5 bar*)                                              | -0.5 to 2.5 bar                                                     | -1 to 2.5 bar (5 bar*) |
| Useful volume               | 1 – 2 l                                                             | 0.5 – 2 l                                                           | 0.5 – 1.5 l            |
| Stirring tool               | Anchor and propeller                                                | Anchor                                                              | Spiral                 |
| Speed range                 | 0 – 2000 rpm (Propeller, Dissolver)<br>0 – 350 rpm (Anchor, Spiral) | 0 – 2000 rpm (Propeller, Dissolver)<br>0 – 350 rpm (Anchor, Spiral) | 0 – 350 rpm (Spiral)   |

\* with optional safety valve

Algaemaster 10 control

\$ 40,587.00  
Ident. No. 0020015196

ALGAEMASTER 10 CONTROL

/// Growing algae made easy

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



Min. usable volume: 6 l  
Max. usable volume: 10 l

| TECHNICAL DATA                     | ALGAEMASTER 10 CONTROL |
|------------------------------------|------------------------|
| Useable volume                     | 6000 – 10 000 ml       |
| Viscosity max.                     | 100 mPas               |
| Speed range                        | 10 – 100 rpm           |
| Temperature measurement resolution | 0.1 K                  |
| pH measuring range                 | 0 – 13 pH              |
| Accuracy of pH measurement         | 0.1 pH                 |
| pH measurement resolution          | 0.01 pH                |
| Cooling medium temperature         | 4 – 60 °C              |
| Speed deviation                    | ±5 rpm                 |
| Speed display                      | TFT                    |
| Dimensions (W x H x D)             | 800 x 1000 x 600 mm    |
| Weight                             | 46 kg                  |

- › 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

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 does not only integrate IKA laboratory devices but also supports devices from other manufacturers.

LABWORLDISOFT® 6

/// One software, unlimited possibilities



labworldsoft® 6 Starter

\$ 6,903.00  
Ident. No. 0020019397

labworldsoft® 6 Starter Update

\$ 1,381.00  
Ident. No. 0020019398

labworldsoft® 6 Advanced

\$ 13,339.00  
Ident. No. 0020105873

labworldsoft® 6 Advanced Update

\$ 1,885.00  
Ident. No. 0020105874

labworldsoft® 6 Starter Upgrade

\$ 8,848.00  
Ident. No. 0020019399

labworldsoft® 6 Pro

\$ 16,224.00  
Ident. No. 0020017366

labworldsoft® 6 Pro Update

\$ 3,248.00  
Ident. No. 0020018014

labworldsoft® 6 Pro + 5 Years Support

\$ Price on request  
Ident. No. 0020022767



Expert Key 100 eco

Expert Key 100 pro



ETH SER 4



PCI 8.2

C 6040 CalWin

\$ 4,595.00  
Ident. No. 0004040500

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

| Product            | Description                               | Ident. No. | Price       |
|--------------------|-------------------------------------------|------------|-------------|
| Expert Key 100 eco | Data collection system for laboratories   | 0020005486 | \$ 8,892.00 |
| Expert Key 100 pro | Data collection system for industries     | 0020005485 | \$ 8,612.00 |
| Multi power switch | Switchable multiple connection plug board | 0020003454 | on request  |
| MV 1 power plug    | Cooling water valve with power plug       | 0010001655 | on request  |
| RV 10 A 1          | Adapter valve for Expert Key              | 0020004314 | on request  |
| PT 100.1 A 1       | Adapter LEMO for Expert Key               | 0020004315 | on request  |
| PT 1000 A 1        | Adapter DIN 6 for Expert Key              | 0020004316 | on request  |
| PT 100.10 A 1      | Adapter DIN 5 for Expert Key              | 0020004317 | on request  |
| PC 1.1             | Cable, L 3 m                              | 0002616700 | \$ 36.00    |
| PC 1.3             | Cable, L 1.5 m                            | 0025005322 | on request  |
| PC 1.5             | Cable, L 2.5 m                            | 0002756000 | \$ 70.00    |
| PC 2.1             | Cable, L 5 m                              | 0002700700 | \$ 273.00   |
| USB 3.0 EXT 10     | USB 3.0 extension cable, L 10 m           | 0020021255 | on request  |
| DTM 12.10          | Data cable, L 2,5 m, 9 pins (F)           | 0003127800 | \$ 1,147.00 |
| PC 1.2             | Adapter, 25 pins                          | 0002616800 | \$ 378.00   |
| PC 1.4             | Adapter, 9 pins (F), 15 pins (M)          | 0002755900 | \$ 429.00   |
| PC 2.2             | Adapter, 9 pins (F), 25 pins (M)          | 0002753200 | \$ 32.00    |
| PCI 8.2            | Plug-in card, 25 pins                     | 0008017500 | \$ 2,955.00 |
| USB SER 4          | USB-serial converter 4 ports              | 0020003456 | on request  |
| USB SER 8          | USB-serial converter 8 ports              | 0020018480 | on request  |
| USB SER 16         | USB-serial converter 16 ports             | 0020018736 | on request  |
| USB Hub 2.0 4      | USB hub 2.0 4 ports                       | 0020021256 | on request  |
| USB Hub 2.0 7      | USB hub 2.0 7 ports                       | 0020021257 | on request  |
| USB ISO            | USB isolator                              | 0020101935 | on request  |
| ETH SER 4          | Ethernet-serial converter 4 ports         | 0003192000 | \$ 3,998.00 |
| ETH SER 8          | Ethernet-serial converter 8 ports         | 0020021350 | on request  |
| ETH SER 16         | Ethernet-serial converter 16 ports        | 0020021351 | on request  |



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.

C 6000

/// An evolution in calorimetry

The champion of modern calorimetry has been developed even further. The new C 6000 has an intuitive touch screen with unique user guidance. The high level of automation simplifies everyday work and enables high sample throughput. The strictest adherence to standards gives rise to the most accurate repeatable results in the world and guarantees the desired assurance.



C 1 Package 1/10

Price on request  
Ident. No. 0010002421

C 1 Package 2/10

Price on request  
Ident. No. 0010002413

C 1 Package 3/10

Price on request  
Ident. No. 0010002422

C 1 Package 1/12

Price on request  
Ident. No. 0010002423

C 1 Package 2/12

Price on request  
Ident. No. 0010002416

C 1 Package 3/12

Price on request  
Ident. No. 0010002424



C 200

Price on request  
Ident. No. 0008802501

C 200 h

Price on request  
Ident. No. 0008803701

C 200 auto

Price on request  
Ident. No. 0010002382

C 200 h auto

Price on request  
Ident. No. 0010002388

| TECHNICAL DATA                           | C 1                                           | C 200   C 200 H                                                                                |
|------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------|
| Maximum energy input                     | 40 000 J / 9560 cal                           | 40 000 J / 9560 cal                                                                            |
| Resolution of the temperature sensor     | 0.0001 K                                      | 0.0001 K                                                                                       |
| Power ON-time                            | 100 %                                         | 100 %                                                                                          |
| Oxygen operating pressure max.           | 40 bar                                        | 40 bar                                                                                         |
| Measuring modes / Measurements per hour  | Static jacket (Regnault Pfaundler) 4          | Isoperibol 3, Dynamic 6 Manual 3, Time-controlled 4                                            |
| Start temperature settings               | 2 possible settings: 22 °C or 30 °C           | 18 – 25 °C                                                                                     |
| Reproducibility (1g benzoic acid NBS39i) | Static jacket (Regnault Pfaundler) 0.15 % RSD | Isoperibol 0.1 % RSD Dynamic 0.1 % RSD Manual (Isoperibol) 0.1 % RSD Time-controlled 0.1 % RSD |
| Number of decomposition vessels per unit | up to 2                                       | up to 4                                                                                        |
| Dimensions (W × H × D)                   | 290 × 280 × 300 mm                            | 400 × 400 × 400 mm                                                                             |

C 6000 isoperibol  
Package 1/10

Price on request  
Ident. No. 0010004524

C 6000 isoperibol  
Package 1/12

Price on request  
Ident. No. 0010004525

C 6000 isoperibol  
Package 2/10

Price on request  
Ident. No. 0010004526

C 6000 isoperibol  
Package 2/12

Price on request  
Ident. No. 0010004527

C 6000 global standards  
Package 1/10

Price on request  
Ident. No. 0010004531

C 6000 global standards  
Package 1/12

Price on request  
Ident. No. 0010004532

C 6000 global standards  
Package 2/10

Price on request  
Ident. No. 0010004533

C 6000 global standards  
Package 2/12

Price on request  
Ident. No. 0010004534



| TECHNICAL DATA                                         | C 6000 ISOPERIBOL I<br>GLOBAL STANDARDS                                            |
|--------------------------------------------------------|------------------------------------------------------------------------------------|
| Maximum energy input                                   | 40 000 J / 9560 cal                                                                |
| Resolution of the temperature sensor                   | 0.0001 K                                                                           |
| Display                                                | TFT with touch screen                                                              |
| Oxygen operating pressure max.                         | 40 bar                                                                             |
| Reproducibility<br>(1g benzoic acid NBS39i)            | Isoperibol 0,05% RSD<br>Dynamic 0.15% RSD<br>Adiabatic 0,05% RSD                   |
| Measuring modes                                        | Isoperibol 22 / 25 / 30 °C<br>Dynamic 22 / 25 / 30 °C<br>Adiabatic 22 / 25 / 30 °C |
| Measurements per hour                                  | Isoperibol 4<br>Dynamic 6<br>Adiabatic 5                                           |
| Number of possible<br>decomposition vessels per device | up to 4                                                                            |
| Dimensions (W × H × D)                                 | 500 × 425 × 450 mm                                                                 |



AOD 1  
\$ 20,844.00  
Ident. No. 0008801301

| TECHNICAL DATA                  | AOD                     |
|---------------------------------|-------------------------|
| Decomposition time              | 3 min                   |
| Chamber volume                  | 210 ml                  |
| Pressure max.                   | 195 bar                 |
| Core temperature max.           | 1200 °C                 |
| Oxygen operating pressure max.  | 40 bar                  |
| Permissible ambient temperature | min. 5 °C<br>max. 40 °C |
| Weight                          | 12.5 kg                 |
| Dimensions (W × H × D)          | 400 × 480 × 260 mm      |
| Power input                     | 45 W                    |





C 1.12



C 1.20



C 1.50



C 6010



C 6030



C 21

| Product | Description | Ident. No. | Price |
|---------|-------------|------------|-------|
|---------|-------------|------------|-------|

ACCESSORIES AND CONSUMABLES C 1

|          |                                              |            |             |
|----------|----------------------------------------------|------------|-------------|
| C 1/10   | Food add on Package for C 1                  | 0010001917 | on request  |
| C 1.20   | Water heater                                 | 0004501000 | on request  |
| C 1.10   | Combustion chamber                           | 0004500300 | \$ 937.00   |
| C 1.12   | Combustion chamber, halogen resistant        | 0004500400 | \$ 9,148.00 |
| C 1.50   | Dot matrix printer                           | 0004500600 | \$ 323.00   |
| C 1.30   | Venting station                              | 0004500900 | \$ 3,910.00 |
| C 1.1012 | Organizer                                    | 0004500700 | \$ 141.00   |
| C 1.101  | Set of spare parts, approx. 1000 experiments | 0004502200 | \$ 744.00   |
| C 1.121  | Set of spare parts, approx. 1000 experiments | 0004502300 | on request  |
| C 1.103  | Ignition wire, Kanthal, 5 pcs.               | 0004579300 | \$ 80.00    |
| C 1.123  | Ignition wire, platinum, 2 pcs.              | 0004500200 | \$ 248.00   |

ACCESSORIES AND CONSUMABLES C 6000

|           |                                                         |            |             |
|-----------|---------------------------------------------------------|------------|-------------|
| C 6010    | Decomposition vessel, standard                          | 0003770000 | \$ 4,737.00 |
| C 6012    | Decomposition vessel, halogen resistant                 | 0004504000 | \$ 8,995.00 |
| C 6010 HE | Standard decomposition vessel with hastelloy electrodes | 0020007660 | on request  |
| C 6010.10 | Combustion shield                                       | 0020007518 | on request  |
| C 1.50    | Dot matrix printer                                      | 0004500600 | \$ 323.00   |
| C 6030    | Venting station                                         | 0004504100 | \$ 3,625.00 |
| C 60.1012 | Organizer                                               | 0004504200 | \$ 390.00   |
| C 6000.10 | Set of spare parts, approx. 1000 experiments            | 0004504300 | \$ 1,866.00 |
| C 6000.12 | Set of spare parts, approx. 1000 experiments            | 0004504400 | \$ 4,419.00 |
| C 1.103   | Ignition wire, standard, Kanthal, 5 pcs.                | 0004579300 | \$ 80.00    |
| C 1.123   | Ignition wire, platinum, 2 pcs.                         | 0004500200 | \$ 248.00   |

ACCESSORIES ALL CALORIMETERS

|                  |                             |            |             |
|------------------|-----------------------------|------------|-------------|
| C 27             | Calorimeter preparation set | 0004579700 | \$ 193.00   |
| C 29 (DIN 477)   | Pressure regulator, oxygen  | 0000750200 | \$ 2,298.00 |
| C 29 (BS341-3)   | Pressure regulator, oxygen  | 0020101322 | \$ 2,298.00 |
| C 29 (NFE29-656) | Pressure regulator, oxygen  | 0020101828 | \$ 2,298.00 |
| C 21             | Pelleting press             | 0001605300 | \$ 4,173.00 |
| C 5010.8         | Crucible holder, small      | 0004579800 | \$ 308.00   |
| C 5010.5         | Crucible holder, big        | 0003055900 | \$ 235.00   |



C 200.RC



C 248



C 5010



C 5020



C 48



C 7010.8



C 5010.4



C 5010.5

| Product | Description | Ident. No. | Price |
|---------|-------------|------------|-------|
|---------|-------------|------------|-------|

ACCESSORIES C 200

|          |                           |            |             |
|----------|---------------------------|------------|-------------|
| C 200.RC | Set of hoses              | 0020010835 | \$ 783.00   |
| C 248    | Oxygen station            | 0003520000 | \$ 3,856.00 |
| C 200.1  | Measuring cup, 2000 ml    | 0003548900 | \$ 95.00    |
| C 200.2  | Conversion kit for C 5012 | 0004028800 | \$ 345.00   |

ACCESSORIES C 200, C 2000, C 5000

|           |                                                         |            |             |
|-----------|---------------------------------------------------------|------------|-------------|
| C 5010    | Decomposition vessel, standard                          | 0007114000 | \$ 4,894.00 |
| C 5012    | Decomposition vessel, halogen resistant                 | 0007215000 | \$ 8,623.00 |
| C 5010 HE | Standard decomposition vessel with hastelloy electrodes | 0003955000 | on request  |
| C 5030    | Venting station                                         | 0007198000 | \$ 3,212.00 |
| C 5010.4  | Attachment for combustible crucible C 14                | 0003016900 | \$ 310.00   |
| C 26      | Prep stand                                              | 0008804000 | \$ 1,209.00 |

ACCESSORIES C 2000, C 5000, C 6000

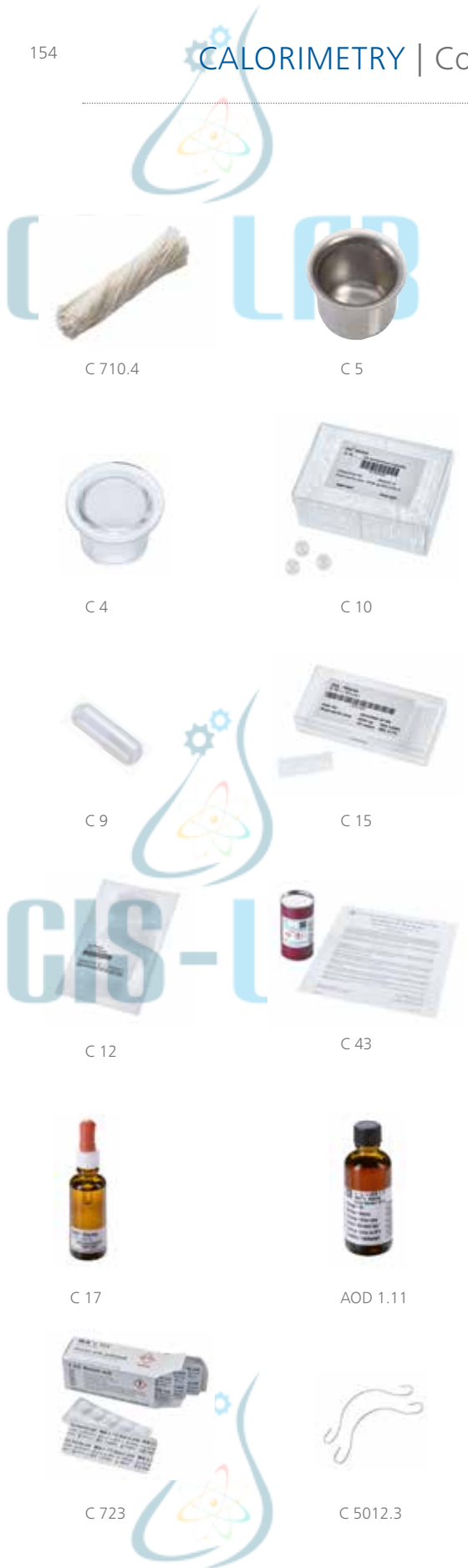
|        |             |            |             |
|--------|-------------|------------|-------------|
| C 5020 | Sample rack | 0007145000 | \$ 8,400.00 |
|--------|-------------|------------|-------------|

ACCESSORIES C 2000, C 5000, C 7000

|           |                  |            |            |
|-----------|------------------|------------|------------|
| C 5041.10 | Connection cable | 0003036000 | on request |
|-----------|------------------|------------|------------|

ACCESSORIES C 1, C 2000, C 6000

|      |                           |            |             |
|------|---------------------------|------------|-------------|
| C 25 | Pressure regulating valve | 0003197200 | \$ 1,197.00 |
|------|---------------------------|------------|-------------|



| Product                      | Description                                   | Ident. No. | Price       |
|------------------------------|-----------------------------------------------|------------|-------------|
| CONSUMABLES ALL CALORIMETERS |                                               |            |             |
| C 6000.1*                    | Water protect, 100 ml                         | 0020014031 | \$ 125.00   |
| C 710.4                      | Cotton thread, cut to length, 500 pcs.        | 0001483700 | \$ 114.00   |
| C 710.8                      | Cotton thread, cut to length, thick, 500 pcs. | 0004579900 | \$ 112.00   |
| C 4                          | Quartz dish                                   | 0001695500 | \$ 67.00    |
| C 5                          | Set of VA combustion crucibles, 25 pcs.       | 0001749500 | \$ 436.00   |
| C 6                          | Quartz dish, big                              | 0000355100 | \$ 155.00   |
| C 710.2                      | Set of VA combustion crucibles, big, 25 pcs.  | 0001483500 | \$ 436.00   |
| C 9                          | Gelatine capsules, 100 pcs.                   | 0000749900 | \$ 80.00    |
| C 10                         | Acetobutyrate capsules, 100 pcs.              | 0000750000 | \$ 330.00   |
| C 12                         | Combustion bags, 40 × 35 mm, 100 pcs.         | 0002201400 | \$ 100.00   |
| C 12 A                       | Combustion bags, 70 × 40 mm, 100 pcs.         | 0002201500 | \$ 106.00   |
| C 15                         | Parafilm strips                               | 0003131100 | \$ 112.00   |
| C 16                         | Parafilm, 1000 × 50 mm                        | 0003801100 | \$ 329.00   |
| C 17                         | Paraffin, liquid, 30 ml                       | 0003801200 | \$ 540.00   |
| C 43                         | Benzoic acid, NIST 39j, 30 g                  | 0000750600 | \$ 1,267.00 |
| C 723                        | Benzoic acid, blister package, 50 pcs.        | 0003243000 | \$ 64.00    |
| C 723 Big Pack               | Benzoic acid, blister package, 450 pcs.       | 0003717400 | \$ 529.00   |
| AOD 1.11                     | Control standard oil for S, Cl, 50 ml         | 0003044000 | \$ 369.00   |

|                                           |                                 |            |           |
|-------------------------------------------|---------------------------------|------------|-----------|
| CONSUMABLES C 200, C 2000, C 5000, C 7000 |                                 |            |           |
| C 5010.3                                  | Ignition wire, spare, 5 pcs.    | 0007122800 | \$ 83.00  |
| C 5012.3                                  | Ignition wire, spare, 5 pcs.    | 0002994900 | \$ 316.00 |
| C 14                                      | Combustible crucibles, 100 pcs. | 0007224500 | \$ 330.00 |

\* Use biocidal product carefully.  
Always read the label and product information before use.  
Active ingredients: < 0.1 % Bardap 26, < 0.1 % Diamine



AOD 1.2



AOD 1.1



AOD 1.3



| Product           | Description                              | Ident. No. | Price        |
|-------------------|------------------------------------------|------------|--------------|
| ACCESSORIES AOD 1 |                                          |            |              |
| AOD 1.1 FZ        | Decomposition vessel                     | 0003303000 | \$ 14,619.00 |
| AOD 1.2           | External ignition unit                   | 0003348001 | \$ 5,912.00  |
| AOD 1.3           | Protection device                        | 0003308000 | \$ 5,066.00  |
| AOD 1.13          | Remote ignition head                     | 0003348100 | \$ 1,440.00  |
| C 48              | Oxygen station                           | 0001560000 | \$ 4,123.00  |
| C 7030            | Venting station                          | 0003013300 | \$ 4,289.00  |
| C 21              | Pelleting press                          | 0001605300 | \$ 4,173.00  |
| C 29              | Pressure gauge, oxygen                   | 0000750200 | on request   |
| C 5010.4          | Attachment for combustible crucible C 14 | 0003016900 | \$ 310.00    |

|                   |                                         |            |           |
|-------------------|-----------------------------------------|------------|-----------|
| CONSUMABLES AOD 1 |                                         |            |           |
| C 4               | Quartz dish                             | 0001695500 | \$ 67.00  |
| C 9               | Gelatine capsules, 100 pcs.             | 0000749900 | \$80.00   |
| C 10              | Acetobutyrate capsules, 100 pcs.        | 0000750000 | \$ 330.00 |
| C 12              | Combustion bags, 40 × 35 mm, 100 pcs.   | 0002201400 | \$ 100.00 |
| C 12 A            | Combustion bags, 70 × 40 mm, 100 pcs.   | 0002201500 | \$ 106.00 |
| C 14              | Combustible crucibles, 100 pcs.         | 0007224500 | \$ 330.00 |
| C 15              | Parafilm strips                         | 0003131100 | \$ 112.00 |
| C 5012.3          | Ignition wire, platinum, 2 pcs.         | 0002994900 | \$ 316.00 |
| C 710.4           | Cotton thread, cut to length, 500 pcs.  | 0001483700 | \$ 114.00 |
| AOD 1.11          | Control standard oil for S, Cl, 50 ml   | 0003044000 | \$ 369.00 |
| C 723             | Benzoic acid, blister package, 50 pcs.  | 0003243000 | \$ 64.00  |
| C 723 Big Pack    | Benzoic acid, blister package, 450 pcs. | 0003717400 | \$ 529.00 |

C 6040 CalWin  
\$ 4,595.00  
Ident. No. 0004040500\*

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





R 200



R 270



RH 5



LABLIFT m



R 6547 H



R 104

R 1825

R 2722

R 2723

R 474



R 2850

| Product         | Description                                  | Ident. No. | Price     |
|-----------------|----------------------------------------------|------------|-----------|
| FIXING ELEMENTS |                                              |            |           |
| H 44            | Boss head clamp                              | 0002437700 | \$ 50.00  |
| R 200           | Clamp for T 10 basic and R 104               | 0003372000 | \$ 139.00 |
| R 182           | Boss head clamp, clamping range Ø 6 – 16 mm  | 0002657700 | \$ 58.00  |
| R 270           | Boss head clamp, clamping range Ø 25 – 36 mm | 0002657800 | \$ 63.00  |
| R 271           | Boss head clamp, clamping range Ø 34 mm      | 0002664000 | \$ 93.00  |
| R 350           | Universal clamp                              | 0001752900 | \$ 279.00 |
| RH 3            | Strap clamp for stand Ø 8 – 16 mm            | 0003008600 | \$ 96.00  |
| RH 5            | Strap clamp for stand Ø 25 – 36 mm           | 0003159000 | \$ 239.00 |
| LABLIFT m       | Manual scissor lift                          | 0004022400 | \$ 322.00 |

|             |                                                        |            |              |
|-------------|--------------------------------------------------------|------------|--------------|
| STANDS      |                                                        |            |              |
| R 104       | Stand for T 10 basic, H 370 mm                         | 0003386000 | \$ 208.00    |
| R 1825      | Plate stand, H 560 mm                                  | 0003160000 | \$ 276.00    |
| R 1826      | Plate stand, H 800 mm                                  | 0003160100 | \$ 311.00    |
| R 1827      | Plate stand, H 1000 mm                                 | 0003160200 | \$ 322.00    |
| R 2722      | H-stand, 1010 mm                                       | 0001412000 | \$ 624.00    |
| IKA [scale] | Stand with an integrated scale                         | 0025004318 | \$ 1,371.00  |
| R 2723      | Telescopic stand, H 620 – 1010 mm                      | 0001412100 | \$ 680.00    |
| T 653       | Telescopic stand, H 1200 mm                            | 0001608000 | \$ 2,762.00  |
| R 474       | Telescopic stand, H 1200 mm                            | 0001643000 | \$ 5,678.00  |
| R 472       | Floor stand, H 2020 mm                                 | 0000738700 | \$ 8,100.00  |
| R 2850      | Floor stand, H 1900 mm                                 | 0020002900 | \$ 3,770.00  |
| R 6547 H    | Floor stand, hydraulic                                 | 0020018378 | \$ 15,163.00 |
| R 6547.1    | Container clamping device for R 6547 H / E floor stand | 0020018383 | \$ 24,490.00 |



ALMEMO 2490



PT 100.23

| Product                | Description                      | Ident. No. | Price        |
|------------------------|----------------------------------|------------|--------------|
| ELECTRONIC ACCESSORIES |                                  |            |              |
| ALMEMO 2490-2          | Temperature measuring instrument | 0004709300 | \$ 3,335.00  |
| R 2850.SI              | Safety stop                      | 0020010623 | \$ 1,570.00  |
| IKA [scale]            | Stand with weighing function     | 0025004318 | \$ 1,371.00  |
| R 6547 E 400V          | Floor stand, electrohydraulics   | 0020018384 | \$ 24,490.00 |

|                    |                                                 |            |            |
|--------------------|-------------------------------------------------|------------|------------|
| ACCESSORIES ALMEMO |                                                 |            |            |
| ALMEMO USB Kable   | USB cable                                       | 0004709400 | on request |
| PT 100.23          | Temp. sensor, stn. steel, Ø3 mm, length: 250 mm | 0003122100 | \$ 445.00  |
| PT 100.24          | Temp. sensor, stn. steel, coated, Ø6 mm, 250 mm | 0003122200 | \$ 907.00  |
| PT 100.25          | Temp. sensor, stn. steel, Ø6 mm, 265 mm         | 0003122300 | \$ 418.00  |

IKA [SCALE]

/// The first stand scale of its kind

A stand with an integrated scale and data interface: only available from IKA. The IKA [scale] provides increased comfort and safety for your laboratory applications. For example, your stirrer can hang on the stable support rod. The quantities of samples to be added are weighed immediately and continuously documented during the stirring process.

SAMPLE WEIGHT OF UP TO 6 KG

The intelligent stand scale has a weighing range of up to 6 kg with a resolution of 1 g. It is therefore particularly suitable for the direct and controlled addition of sample material while stirring.

CLEAR DISPLAY

Working with the clear and modern LCD display is very user-friendly. All information, whether measurement values, calibration steps or status messages, is shown clearly.

STABLE SET-UP PLATE

The solid die cast zinc housing provides stability and robustness.

BLUETOOTH CONNECTION

The weight of the sample measured can directly be transferred to a suitable device (e.g. IKA MINI-/ MICROSTAR series) and shown on its display.

Patented:  
The IKA [scale] is  
unique in the market!



Do you think in terms of applications instead of individual parts? And you don't want to look for each sensor and each clamp individually? That's exactly what our packages are for. They contain everything you need for a specific application. If yours is not included, our Customer Center will put together your individual complete solution.

COMPLETE SOLUTIONS FROM A SINGLE SOURCE  
/// Our Packages

Our packages are assembled ready for connection for a wide range of applications. There are basic packages for simple applications, packages for special applications, safety packages or complete system solutions. So you can be sure that all components harmonize perfectly.

Packages save you time-consuming research, lengthy comparisons and are also attractively priced. Plus, you can rely on our excellent service for all components of your particular system.



T 18 digital Package



MultiDrive control BT Package



RCT basic ready-to-go Solution

| Product                                 | Description                                              | Ident. No. | Price       |
|-----------------------------------------|----------------------------------------------------------|------------|-------------|
| DISPERSER PACKAGE                       |                                                          |            |             |
| T 18 digital ULTRA-TURRAX® Package      |                                                          | 0010002694 | \$ 4,083.00 |
| T 18 digital ULTRA-TURRAX®              | Disperser                                                | 0003720001 |             |
| S 18 N - 19 G                           | Dispersing tool                                          | L004640    |             |
| MILL PACKAGE                            |                                                          |            |             |
| MultiDrive basic M 20 Successor Package |                                                          | 0010010968 | \$ 4,200.00 |
| MultiDrive basic                        | Universal crusher                                        | 0025002639 |             |
| MI 250-S                                | Milling chamber                                          | 0020112097 |             |
| MultiDrive control MT Package           |                                                          | 0010007100 | \$ 4,367.00 |
| MultiDrive control                      | Universal crusher                                        | 0025002644 |             |
| TC 1                                    | protective housing                                       | 0020023489 |             |
| MT 150.5                                | Autoclavable disposable tubes                            | 0020023173 |             |
| MultiDrive control BT Package           |                                                          | 0010007108 | \$ 4,605.00 |
| MultiDrive control                      | Universal crusher                                        | 0025002644 |             |
| TC 1                                    | protective housing                                       | 0020023489 |             |
| BT 250.5                                | Autoclavable disposable tubes                            | 0020023174 |             |
| MAGNETIC STIRRER PACKAGE                |                                                          |            |             |
| C-MAG HS 7 Package                      |                                                          | 0010001529 | \$ 1,180.00 |
| C-MAG HS 7                              | Magnetic stirrer with heating, ceramic plate             | 0003581201 |             |
| ETS-D5                                  | Electronic contact thermometer                           | 0003378000 |             |
| H 38                                    | Holding rod                                              | 0003547700 |             |
| H 44                                    | Boss head clamp                                          | 0002437700 |             |
| H 16 V                                  | Support rod                                              | 0001545100 |             |
| RCT basic ready-to-go Solution          |                                                          | 0010012117 | \$ 1,129.00 |
| RCT basic                               | RCT basic magnetic stirrer, inc. PT 1000.60 Temp. sensor | 0025006052 |             |
| BC 1000                                 | Beaker cap                                               | 0020003417 |             |
| H 38                                    | Holding rod                                              | 0003547700 |             |
| H 44                                    | Boss head clamp                                          | 0002437700 |             |
| H 16 V                                  | Support rod                                              | 0001545100 |             |





RCT basic ETS-D5 Solution



RCT basic Synthesis Solution 1000

| Product                           | Description                                                     | Ident. No. | Price       |
|-----------------------------------|-----------------------------------------------------------------|------------|-------------|
| MAGNETIC STIRRERS PACKAGES        |                                                                 |            |             |
| RCT basic ETS-D5 Solution         |                                                                 | 0010012113 | \$ 1,355.00 |
| RCT basic                         | Magnetic stirrers                                               | 0025006052 |             |
| ETS-D5                            | Electronic contact thermometer                                  | 0003516800 |             |
| H 38                              | Holding rod                                                     | 0003547700 |             |
| H 44                              | Boss head clamp                                                 | 0002437700 |             |
| H 16 V                            | Support rod                                                     | 0001545100 |             |
| RCT basic Synthesis Solution 250  |                                                                 | 0010012115 | \$ 1,496.00 |
| RCT basic                         | RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor | 0025006052 |             |
| H 135.25                          | Flask carrier 250 ml without handle                             | 0025003280 |             |
| H 38                              | Holding rod                                                     | 0003547700 |             |
| H 44                              | Boss head clamp                                                 | 0002437700 |             |
| H 16 V                            | Support rod                                                     | 0001545100 |             |
| R 350                             | Universal clamp                                                 | 0001545100 |             |
| IKAFLO 25 ellipse                 | Stir bar                                                        | 0004494800 |             |
| RCT basic Synthesis Solution 500  |                                                                 | 0010012114 | \$ 1,523.00 |
| RCT basic                         | RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor | 0025006052 |             |
| H 135.30                          | Flask carrier 500 ml                                            | 0025000639 |             |
| H 38                              | Holding rod                                                     | 0003547700 |             |
| H 44                              | Boss head clamp                                                 | 0002437700 |             |
| H 16 V                            | Support rod                                                     | 0001545100 |             |
| R 350                             | Universal clamp                                                 | 0001545100 |             |
| IKAFLO 30 ellipse                 | Stir bar                                                        | 0004495000 |             |
| RCT basic Synthesis Solution 1000 |                                                                 | 0010012116 | \$ 1,587.00 |
| RCT basic                         | RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor | 0025006052 |             |
| H 135.40                          | Flask carrier 500 ml                                            | 0025000833 |             |
| H 38                              | Holding rod                                                     | 0003547700 |             |
| H 44                              | Boss head clamp                                                 | 0002437700 |             |
| H 16 V                            | Support rod                                                     | 0001545100 |             |
| R 350                             | Universal clamp                                                 | 0001545100 |             |
| IKAFLO 40 ellipse                 | Stir bar                                                        | 0004495400 |             |



ICC basic eco 8



ICC control pro 9



ICC basic eco 18



ICC control pro 20

| Product                     | Description                  | Ident. No. | Price       |
|-----------------------------|------------------------------|------------|-------------|
| HEATING BATH CIRCULATORS    |                              |            |             |
| ICC basic eco 8 Package*    |                              | 0010000853 | \$ 2,860.00 |
| ICC basic                   | Compact immersion circulator | 0020002272 |             |
| IB eco 8                    | Bath vessel, plastic         | 0004248100 |             |
| ICC control eco 8 Package*  |                              | 0010000849 | \$ 3,153.00 |
| ICC control                 | Compact immersion circulator | 0020002273 |             |
| IB eco 8                    | Bath vessel, plastic         | 0004248100 |             |
| ICC basic pro 9 Package*    |                              | 0010000851 | \$ 3,174.00 |
| ICC basic                   | Compact immersion circulator | 0020002272 |             |
| IB pro 9                    | Bath vessel, stainless steel | 0004248500 |             |
| ICC control pro 9 Package*  |                              | 0010000847 | \$ 3,472.00 |
| ICC control                 | Compact immersion circulator | 0020002273 |             |
| IB pro 9                    | Bath vessel, stainless steel | 0004248500 |             |
| ICC basic pro 12 Package*   |                              | 0010000473 | \$ 3,287.00 |
| ICC basic                   | Compact immersion circulator | 0020002272 |             |
| IB pro 12                   | Bath vessel, stainless steel | 0004577500 |             |
| ICC control pro 12 Package* |                              | 0010000479 | \$ 3,582.00 |
| ICC control                 | Compact immersion circulator | 0020002273 |             |
| IB pro 12                   | Bath vessel, stainless steel | 0004577500 |             |
| ICC basic eco 18 Package*   |                              | 0010000475 | \$ 3,130.00 |
| ICC basic                   | Compact immersion circulator | 0020002272 |             |
| IB eco 18                   | Bath vessel, plastic         | 0004248200 |             |
| ICC control eco 18 Package* |                              | 0010000481 | \$ 3,231.00 |
| ICC control                 | Compact immersion circulator | 0020002273 |             |
| IB eco 18                   | Bath vessel, plastic         | 0004248200 |             |
| ICC basic pro 20 Package*   |                              | 0010000477 | \$ 3,510.00 |
| ICC basic                   | Compact immersion circulator | 0020002272 |             |
| IB pro 20                   | Bath vessel, stainless steel | 0004248600 |             |
| ICC control pro 20 Package* |                              | 0010000483 | \$ 3,806.00 |
| ICC control                 | Compact immersion circulator | 0020002273 |             |
| IB pro 20                   | Bath vessel, stainless steel | 0004248600 |             |

\* Bath bridge is included in delivery



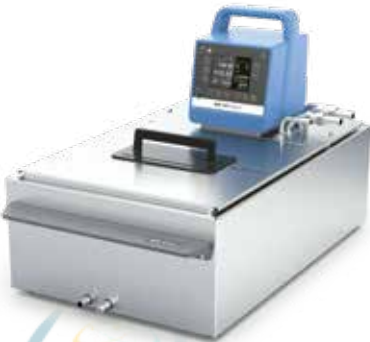
ICC basic eco 8 c



ICC basic eco 8 c



ICC basic pro 12 c



ICC control pro 20 c

| Product                           | Description                  | Ident. No. | Price       |
|-----------------------------------|------------------------------|------------|-------------|
| COMBINED HEATING BATH CIRCULATORS |                              |            |             |
| ICC basic eco 8 c Package*        |                              |            |             |
| ICC basic                         | Compact immersion circulator | 0010000854 | \$ 3,598.00 |
| IB eco 8                          | Bath vessel, plastic         | 0020002272 |             |
|                                   |                              | 0004248100 |             |
| ICC control eco 8 c Package*      |                              |            |             |
| ICC control                       | Compact immersion circulator | 0010000850 | \$ 3,893.00 |
| IB eco 8                          | Bath vessel, plastic         | 0020002273 |             |
|                                   |                              | 0004248100 |             |
| ICC basic pro 9 c Package*        |                              |            |             |
| ICC basic                         | Compact immersion circulator | 0010000852 | \$ 3,913.00 |
| IB pro 9                          | Bath vessel, stainless steel | 0020002272 |             |
|                                   |                              | 0004248500 |             |
| ICC control pro 9 c Package*      |                              |            |             |
| ICC control                       | Compact immersion circulator | 0010000848 | \$ 4,209.00 |
| IB pro 9                          | Bath vessel, stainless steel | 0020002273 |             |
|                                   |                              | 0004248500 |             |
| ICC basic pro 12 c Package*       |                              |            |             |
| ICC basic                         | Compact immersion circulator | 0010000474 | \$ 4,269.00 |
| IB pro 12                         | Bath vessel, stainless steel | 0020002272 |             |
|                                   |                              | 0004577500 |             |
| ICC control pro 12 c Package*     |                              |            |             |
| ICC control                       | Compact immersion circulator | 0010000480 | \$ 4,564.00 |
| IB pro 12                         | Bath vessel, stainless steel | 0020002273 |             |
|                                   |                              | 0004577500 |             |
| ICC basic eco 18 c Package*       |                              |            |             |
| ICC basic                         | Compact immersion circulator | 0010000476 | \$ 4,114.00 |
| IB eco 18                         | Bath vessel, plastic         | 0020002272 |             |
|                                   |                              | 0004248200 |             |
| ICC control eco 18 c Package*     |                              |            |             |
| ICC control                       | Compact immersion circulator | 0010000482 | \$ 4,011.00 |
| IB eco 18                         | Bath vessel, plastic         | 0020002273 |             |
|                                   |                              | 0004248200 |             |
| ICC basic pro 20 c Package*       |                              |            |             |
| ICC basic                         | Compact immersion circulator | 0010000478 | \$ 4,491.00 |
| IB pro 20                         | Bath vessel, stainless steel | 0020002272 |             |
|                                   |                              | 0004248600 |             |
| ICC control pro 20 c Package*     |                              |            |             |
| ICC control                       | Compact immersion circulator | 0010000484 | \$ 4,632.00 |
| IB pro 20                         | Bath vessel, stainless steel | 0020002273 |             |
|                                   |                              | 0004248600 |             |

\* Bath bridge, cover, pump connection set and cooling coil are included in delivery



ICC control IB R RO 15 eco



ICC basic IB R RO 15 pro



ICC control pro 9



IC control pro 20 c

| Product                            | Description                    | Ident. No. | Price       |
|------------------------------------|--------------------------------|------------|-------------|
| PACKAGES WITH MAGNETIC STIRRER     |                                |            |             |
| ICC basic IB R RO 15 eco Package   |                                |            |             |
| ICC basic                          | Compact immersion circulator   | 0010002472 | \$ 6,070.00 |
| IB R RO 15 eco                     | Bath vessel, plastic           | 0020002272 |             |
|                                    |                                | 0020006341 |             |
| BL.ICC                             | Bath bridge                    | 0020003078 |             |
| RO 15                              | Multiposition magnetic stirrer | 0003692500 |             |
| ICC control IB R RO 15 eco Package |                                |            |             |
| ICC control                        | Compact immersion circulator   | 0010002475 | \$ 6,476.00 |
| IB R RO 15 eco                     | Bath vessel, plastic           | 0020002273 |             |
|                                    |                                | 0020006341 |             |
| BL.ICC                             | Bath bridge                    | 0020003078 |             |
| RO 15                              | Multiposition magnetic stirrer | 0003692500 |             |
| ICC basic IB R RO 15 pro Package   |                                |            |             |
| ICC basic                          | Compact immersion circulator   | 0010006741 | \$ 7,375.00 |
| IB R RO 15 pro                     | Bath vessel, stainless steel   | 0020002272 |             |
|                                    |                                | 0025007761 |             |
| BL.ICC                             | Bath bridge                    | 0020003078 |             |
| RO 15                              | Multiposition magnetic stirrer | 0003692500 |             |
| ICC control IB R RO 15 pro Package |                                |            |             |
| ICC basic                          | Compact immersion circulator   | 0010006737 | \$ 7,799.00 |
| IB R RO 15 pro                     | Bath vessel, stainless steel   | 0020002272 |             |
|                                    |                                | 0025007761 |             |
| BL.ICC                             | Bath bridge                    | 0020003078 |             |
| RO 15                              | Multiposition magnetic stirrer | 0003692500 |             |

IMMERSION CIRCULATOR IC PACKAGES

|                              |                              |            |             |
|------------------------------|------------------------------|------------|-------------|
| IC basic pro 12 c Package*   |                              |            |             |
| IC basic                     | Immersion circulator         | 0010000467 | \$ 4,892.00 |
| IB pro 12                    | Bath vessel, stainless steel | 0003861001 |             |
| CM.IC                        | Cover                        | 0004577500 |             |
|                              |                              | 0004577600 |             |
| IC control pro 12 c Package* |                              |            |             |
| IC control                   | Immersion circulator         | 0010000470 | \$ 5,298.00 |
| IB pro 12                    | Bath vessel, stainless steel | 0003863001 |             |
| CM.IC                        | Cover                        | 0004577500 |             |
|                              |                              | 0004577600 |             |
| IC basic pro 20 c Package*   |                              |            |             |
| IC basic                     | Immersion circulator         | 0010000469 | \$ 5,188.00 |
| IB pro 20                    | Bath vessel, stainless steel | 0003861001 |             |
| CM.IC                        | Cover                        | 0004248600 |             |
|                              |                              | 0004577600 |             |
| IC control pro 20 c Package* |                              |            |             |
| IC control                   | Immersion circulator         | 0010000472 | \$ 5,595.00 |
| IB pro 20                    | Bath vessel, stainless steel | 0003863001 |             |
| CM.IC                        | Cover                        | 0004248600 |             |
|                              |                              | 0004577600 |             |

\* Bath bridge and cooling coil are included in delivery





RV 3 V-C



RV 8 V-C

| Product                     | Description                        | Ident. No. | Price |
|-----------------------------|------------------------------------|------------|-------|
| ROTARY EVAPORATOR PACKAGES* |                                    |            |       |
| RV 3 V Package              |                                    |            |       |
| RV 3                        | Drive                              | 0020015792 |       |
| HB eco                      | Heating bath                       | 0025004816 |       |
| RV 10.900                   | Set of glassware, vertical         | 0003842500 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 3 V-C Package            |                                    |            |       |
| RV 3                        | Drive                              | 0020015792 |       |
| HB eco                      | Heating bath                       | 0025004816 |       |
| RV 10.910                   | Set of glassware, vertical, coated | 0003842600 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 3 FLEX Package           |                                    |            |       |
| RV 3                        | Drive                              | 0020015792 |       |
| HB eco                      | Heating bath                       | 0025004816 |       |
| RV 05.10                    | Balljoint clamp                    | 0000736600 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 10.89                    | Clamp, NS 24                       | 0003756200 |       |
| RV 8 V Package              |                                    |            |       |
| RV 8                        | Drive                              | 0025002822 |       |
| HB digital                  | Heating bath                       | 0025004361 |       |
| RV 10.900                   | Set of glassware, vertical         | 0003842500 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 8 V-C Package            |                                    |            |       |
| RV 8                        | Drive                              | 0025002822 |       |
| HB digital                  | Heating bath                       | 0025004361 |       |
| RV 10.910                   | Set of glassware, vertical, coated | 0003842600 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 8 FLEX Package           |                                    |            |       |
| RV 8                        | Drive                              | 0025002822 |       |
| HB digital                  | Heating bath                       | 0025004361 |       |
| RV 05.10                    | Balljoint clamp                    | 0000736600 |       |
| RV 10.73                    | Vapor tube, NS 24/40               | 0003829400 |       |
| RV 10.89                    | Clamp, NS 24                       | 0003756200 |       |



RV 8 Dry Ice Condenser



RV 10 digital Dry Ice Condenser, coated

| Product                                 | Description                                 | Ident. No. | Price |
|-----------------------------------------|---------------------------------------------|------------|-------|
| ROTARY EVAPORATOR PACKAGES*             |                                             |            |       |
| RV 3 dry ice condenser                  |                                             |            |       |
| RV 3                                    | Drive                                       | 0020015792 |       |
| HB eco                                  | Heating bath                                | 0025004816 |       |
| RV 10.2011                              | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |
| RV 10.4                                 | Dry ice condenser                           | 0003742000 |       |
| RV 10.103                               | Receiving flask (KS 35/20, 1,000 ml)        | 0003742500 |       |
| RV 3 dry ice condenser C                |                                             |            |       |
| RV 3                                    | Drive                                       | 0020015792 |       |
| HB eco                                  | Heating bath                                | 0025004816 |       |
| RV 10.40                                | Dry ice condenser, coated                   | 0003742100 |       |
| RV 10.203                               | Receiving flask, coated (KS 35/20, 1000 ml) | 0003743500 |       |
| RV 10.2011                              | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |
| RV 8 dry ice condenser                  |                                             |            |       |
| RV 8                                    | Drive                                       | 0025002822 |       |
| HB digital                              | Heating bath                                | 0025004361 |       |
| RV 10.2011                              | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |
| RV 10.4                                 | Dry ice condenser                           | 0003742000 |       |
| RV 10.103                               | Receiving flask (KS 35/20, 1,000 ml)        | 0003742500 |       |
| RV 8 dry ice condenser coated           |                                             |            |       |
| RV 8                                    | Drive                                       | 0025002822 |       |
| HB digital                              | Heating bath                                | 0025004361 |       |
| RV 10.40                                | Dry ice condenser, coated                   | 0003742100 |       |
| RV 10.203                               | Receiving flask, coated (KS 35/20, 1000 ml) | 0003743500 |       |
| RV 10.20110                             | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |
| RV 10 digital Dry Ice Condenser         |                                             |            |       |
| RV 10 digital                           | Drive                                       | 0003550099 |       |
| HB digital                              | Heating bath                                | 0020016334 |       |
| RV 10.20110                             | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |
| RV 10.4                                 | Dry ice condenser                           | 0003742000 |       |
| RV 10.103                               | Receiving flask (KS 35/20, 1,000 ml)        | 0003742500 |       |
| RV 10 digital dry ice condenser, coated |                                             |            |       |
| RV 10 digital                           | Drive                                       | 0020015793 |       |
| HB digital                              | Heating bath                                | 0025004361 |       |
| RV 10.40                                | Dry ice condenser, coated                   | 0003742100 |       |
| RV 10.203                               | Receiving flask, coated (KS 35/20, 1000 ml) | 0003743500 |       |
| RV 10.20110                             | Evaporation flask (NS 24/40, 1000 ml)       | 0020000026 |       |

\*Balljoint clamp, clamp NS 29 and vapor tube NS 29/32 included in dry ice packages



RV 10 auto pro V-C

| Product                    | Description                        | Ident. No. | Price        |
|----------------------------|------------------------------------|------------|--------------|
| ROTARY EVAPORATOR PACKAGES |                                    |            |              |
| RV 10 digital V Package    |                                    |            |              |
| RV 10 digital              | Drive                              | 0010005184 | \$ 5,432.00  |
| HB digital                 | Heating bath                       | 0003550099 |              |
| RV 10.900                  | Set of glassware, vertical         | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003842500 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003829400 |              |
| RV 10 digital V-C Package  |                                    |            |              |
| RV 10 digital              | Drive                              | 0010005185 | \$ 5,601.00  |
| HB digital                 | Heating bath                       | 0003550099 |              |
| RV 10.900                  | Set of glassware, vertical         | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003842500 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003829400 |              |
| RV 10 digital FLEX Package |                                    |            |              |
| RV 10 digital              | Drive                              | 0010005186 | \$ 4,712.00  |
| HB digital                 | Heating bath                       | 0003550099 |              |
| RV 05.10                   | Balljoint clamp                    | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0000736600 |              |
| RV 10.89                   | Clamp, NS 24                       | 0003829400 |              |
| RV 10.89                   | Clamp, NS 24                       | 0003756200 |              |
| RV 10 auto V Package       |                                    |            |              |
| RV 10 auto                 | Drive                              | 0010004815 | \$ 13,353.00 |
| HB digital                 | Heating bath                       | 0020015837 |              |
| RV 10.900                  | Set of glassware, vertical         | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003842500 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003829400 |              |
| RV 10.4002                 | Magnetic valve laboratory vacuum   | 0003880300 |              |
| RV 10.70                   | Vapor tube, NS 29/32               | 0003812200 |              |
| RV 10 auto V-C Package     |                                    |            |              |
| RV 10 auto                 | Drive                              | 0010004812 | \$ 13,509.00 |
| HB digital                 | Heating bath                       | 0020015837 |              |
| RV 10.910                  | Set of glassware, vertical, coated | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003842600 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003829400 |              |
| RV 10.4002                 | Magnetic valve laboratory vacuum   | 0003880300 |              |
| RV 10 auto FLEX Package    |                                    |            |              |
| RV 10 auto                 | Drive                              | 0010005192 | On request   |
| HB digital                 | Heating bath                       | 0020015837 |              |
| RV 05.10                   | Balljoint clamp                    | 0025004361 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0000736600 |              |
| RV 10.73                   | Vapor tube, NS 24/40               | 0003829400 |              |
| RV 10.89                   | Clamp, NS 24                       | 0003829400 |              |
| RV 10.89                   | Clamp, NS 24                       | 0003756200 |              |
| RV 10.4002                 | Magnetic valve laboratory vacuum   | 0003880300 |              |



RV 3 pro V Complete



RV 8 pro V Complete



RV 10 auto pro V-C Complete



RV 10 digital pro V double Complete

| Product                             | Description                        | Ident. No. | Price        |
|-------------------------------------|------------------------------------|------------|--------------|
| ROTARY EVAPORATOR COMPLETE PACKAGES |                                    |            |              |
| RV 3 pro V Complete                 |                                    |            |              |
| RV 3 V                              | Drive                              | 0010011965 | \$ 10,035.00 |
| VC 10 lite                          | Vacuum controller                  | 0020003919 |              |
| VACSTAR digital                     | Pump with analog connection        | 0020111998 |              |
| RC 2 lite                           | Recirculating chiller              | 0020016236 |              |
| RV 10.5005                          | Hose kit                           | 0025006624 |              |
| VC 10.500                           | Stand pole                         | 0020000552 |              |
| VC 10.500                           | Stand pole                         | 0035002702 |              |
| RV 8 pro V Complete                 |                                    |            |              |
| RV 8 V                              | Drive                              | 0010011966 | \$ 12,075.00 |
| VC 10 lite                          | Vacuum controller                  | 0020003919 |              |
| VACSTAR digital                     | Pump with analog connection        | 0020111998 |              |
| RC 2 lite                           | Recirculating chiller              | 0020016236 |              |
| RV 10.5005                          | Hose kit                           | 0025006624 |              |
| RV 8.3                              | Stand pole                         | 0020000552 |              |
| RV 8.3                              | Stand pole                         | 0025004707 |              |
| RV 10 digital pro V Complete        |                                    |            |              |
| RV 10 digital                       | Drive                              | 0010011967 | \$ 13,351.00 |
| VC 10 lite                          | Vacuum controller                  | 0020003919 |              |
| VACSTAR digital                     | Pump with analog connection        | 0020111998 |              |
| RC 2 lite                           | Recirculating chiller              | 0020016236 |              |
| RV 10.5005                          | Hose kit                           | 0025006624 |              |
| VC 10.400                           | Stand                              | 0020000552 |              |
| VC 10.400                           | Stand                              | 0035001735 |              |
| RV 10 auto pro V-C Complete         |                                    |            |              |
| RV 10 auto pro V-C                  | Drive                              | 0010007358 | \$ 15,817.00 |
| VC 10 lite                          | Vacuum controller                  | 0010004812 |              |
| VACSTAR digital                     | Pump with analog connection        | 0020111998 |              |
| VSE 1                               | Vacuum safety emission condenser   | 0020016236 |              |
| RC 2 lite                           | Recirculating chiller              | 0035001873 |              |
| H.SI.8                              | Hose set                           | 0025006624 |              |
| RV 10.70                            | Vapor tube, NS 29/32               | 0004569000 |              |
| RV 10.70                            | Vapor tube, NS 29/32               | 0003812200 |              |
| RV 10.10                            | Set of glassware, vertical, coated | 0001091500 |              |
| RV 10 digital pro V double Complete |                                    |            |              |
| RV 10 digital pro V (2 Stück)       | Drive                              | 0010011968 | \$ 23,730.00 |
| VC 10 pro (2 Stück)                 | Vacuum controller                  | 001000480  |              |
| VACSTAR digital                     | Pump with analog connection        | 0020111998 |              |
| VSE 1                               | Vacuum safety emission condenser   | 0020016236 |              |
| RC 2 GREEN basic                    | Recirculating chiller              | 0035001873 |              |
| RV 10.5005 (2 pcs.)                 | Hose kit                           | 0025004186 |              |
| VC 10.300 (2 pcs.)                  | Check valve                        | 0020000552 |              |
| Y hose connector (2 pcs.)           | Y-hose connector                   | 0020011105 |              |
| Y hose connector (2 pcs.)           | Y-hose connector                   | 0020010963 |              |





C 1

| Product                  | Description                             | Ident. No. | Price      |
|--------------------------|-----------------------------------------|------------|------------|
| CALORIMETER PACKAGES     |                                         |            |            |
| C 1 Package 1/10 Package |                                         | 0010002421 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.10                   | Combustion chamber                      | 0004500300 |            |
| RC 2 basic               | Recirculating chiller                   | 0004171000 |            |
| C 1 Package 2/10 Package |                                         | 0010002413 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.10                   | Combustion chamber                      | 0004500300 |            |
| C 1 Package 3/10 Package |                                         | 0010002422 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.10                   | Combustion chamber                      | 0004500300 |            |
| C 1.20                   | Water heater                            | 0004501000 |            |
| C 1 Package 1/12 Package |                                         | 0010002423 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.12                   | Combustion chamber, halogen resistant   | 0004500400 |            |
| RC 2 basic               | Recirculating chiller                   | 0004171000 |            |
| C 1 Package 2/12 Package |                                         | 0010002416 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.12                   | Combustion chamber, halogen resistant   | 0004500400 |            |
| C 1 Package 3/12 Package |                                         | 0010002424 | On request |
| C 1                      | Calorimeter                             | 0020010860 |            |
| C 1.12                   | Combustion chamber, halogen resistant   | 0004500400 |            |
| C 1.20                   | Water heater                            | 0004501000 |            |
| C 200 auto Package       |                                         | 0010002382 | On request |
| C 200                    | Measurement cell                        | 0003385000 |            |
| RC 2 basic               | Recirculating chiller                   | 0004171000 |            |
| C 200.RC                 | Set of hoses                            | 0020010835 |            |
| C 5010                   | Decomposition vessel                    | 0007114000 |            |
| C 248                    | Oxygen filling station                  | 0003520000 |            |
| C 200 h auto Package     |                                         | 0010002388 | On request |
| C 200                    | Measurement cell                        | 0003385000 |            |
| RC 2 basic               | Recirculating chiller                   | 0004171000 |            |
| C 200.RC                 | Set of hoses                            | 0020010835 |            |
| C 5012                   | Decomposition vessel, halogen resistant | 0007215000 |            |
| C 200.2                  | Conversion kit                          | 0004028800 |            |
| C 248                    | Oxygen filling station                  | 0003520000 |            |



C 200 auto



C 6000

| Product                              | Description                             | Ident. No. | Price      |
|--------------------------------------|-----------------------------------------|------------|------------|
| CALORIMETER PACKAGES                 |                                         |            |            |
| C 6000 global standards Package 1/10 |                                         | 0010004531 | On request |
| C 6000 global standards              | Measurement cell                        | 0020005930 |            |
| C 6010                               | Decomposition vessel, standard          | 0003770000 |            |
| RC 2 basic                           | Recirculating chiller                   | 0004171000 |            |
| C 6000 global standards Package 1/12 |                                         | 0010004532 | On request |
| C 6000 global standards              | Measurement cell                        | 0020005930 |            |
| C 6012                               | Decomposition vessel, halogen resistant | 0004504000 |            |
| RC 2 basic                           | Recirculating chiller                   | 0004171000 |            |
| C 6000 global standards Package 2/10 |                                         | 0010004533 | On request |
| C 6000 global standards              | Measurement cell                        | 0020005930 |            |
| C 6010                               | Decomposition vessel, standard          | 0003770000 |            |
| C 6000 global standards Package 2/12 |                                         | 0010004534 | On request |
| C 6000 global standards              | Measurement cell                        | 0020005930 |            |
| C 6012                               | Decomposition vessel, halogen resistant | 0004504000 |            |
| C 6000 isoperibol Package 1/10       |                                         | 0010004535 | On request |
| C 6000 isoperibol                    | Measurement cell                        | 0020005940 |            |
| C 6010                               | Decomposition vessel, standard          | 0003770000 |            |
| RC 2 basic                           | Recirculating chiller                   | 0004171000 |            |
| C 6000 isoperibol Package 1/12       |                                         | 0010004536 | On request |
| C 6000 isoperibol                    | Measurement cell                        | 0020005940 |            |
| C 6012                               | Decomposition vessel, halogen resistant | 0004504000 |            |
| RC 2 basic                           | Recirculating chiller                   | 0004171000 |            |
| C 6000 isoperibol Package 2/10       |                                         | 0010004537 | On request |
| C 6000 isoperibol                    | Measurement cell                        | 0020005940 |            |
| C 6010                               | Decomposition vessel, standard          | 0003770000 |            |
| C 6000 isoperibol Package 2/12       |                                         | 0010004540 | On request |
| C 6000 isoperibol                    | Measurement cell                        | 0004025000 |            |
| C 6012                               | Decomposition vessel, halogen resistant | 0004504000 |            |



ElectraSyn 2.0



Screening System

| Product                                      | Description                                            | Ident. No. | Price        |
|----------------------------------------------|--------------------------------------------------------|------------|--------------|
| ELECTROCHEMISTRY PACKAGES                    |                                                        |            |              |
| ElectraSyn 2.0 Package                       |                                                        | 0020008980 | \$ 2,650.00  |
| ElectraSyn 2.0                               | Base unit                                              | 0020001549 |              |
| Vial holder                                  |                                                        | 0020014424 |              |
| Vial                                         | 10 ml                                                  | 0020014424 |              |
| Stir plate attachment                        |                                                        | 0040001991 |              |
| Electrode Graphite                           | 2 pcs.                                                 | 0040002574 |              |
| ElectraSyn 2.0 pro Package                   |                                                        | 0040003261 | \$ 3,116.00  |
| ElectraSyn 2.0                               | Base unit                                              | 0020001549 |              |
| Vial holder                                  |                                                        | 0020014424 |              |
| Vial                                         | 10 ml                                                  | 0020014424 |              |
| Stir plate attachment                        |                                                        | 0040001991 |              |
| Electrode Graphite                           | 2 pcs.                                                 | 0040002574 |              |
| CV glassy carbon                             | Electrodes                                             | 0040002066 |              |
| CV Platinum                                  | Electrodes                                             | 0040002569 |              |
| Ag / AgCl                                    | Silver reference electrode                             | 0040003172 |              |
| Screening System Package (6 divided cells)   |                                                        | 0020017582 | \$ 19,990.00 |
| Reaction block                               |                                                        | 0020015936 |              |
| Electrolysis cells                           |                                                        | 0040001849 |              |
| IKA Plate (RCT digital)                      | Magnetic stirrer, including PT 1000 temperature sensor | 0025004601 |              |
| Electrode graphite                           | 16 pcs.                                                | 0040001850 |              |
| Screening System Package (8 undivided cells) |                                                        | 0040003642 | \$ 19,990.00 |
| Reaction block                               |                                                        | 0020015943 |              |
| Electrolysis cells                           |                                                        | 0040001849 |              |
| IKA Plate (RCT digital)                      | Magnetic stirrer, including PT 1000 temperature sensor | 0025004601 |              |
| Electrode graphite                           | 16 pcs.                                                | 0040001850 |              |



ROTAVISC me-vi Complete



ROTAVISC SBS hi-vi I Complete



ROTAVISC hi-vi I HELI Complete

| Product                                     | Description | Ident. No. | Price       |
|---------------------------------------------|-------------|------------|-------------|
| VISCOMETER PACKAGES*                        |             |            |             |
| ROTAVISC lo-vi Complete Package             |             | 0025000310 | \$ 3,850.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC me-vi Complete Package             |             | 0025000311 | \$ 3,850.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC hi-vi I Complete Package           |             | 0025000312 | \$ 3,850.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC hi-vi II Complete Package          |             | 0025000313 | \$ 3,850.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC SBS me-vi Complete Package         |             | 0010007714 | \$ 4,979.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC SBS hi-vi I Complete Package       |             | 0010007686 | \$ 4,979.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| ROTAVISC SBS hi-vi II Complete Package      |             | 0010007701 | \$ 4,979.00 |
| ROTASTAND                                   |             | 0020006787 |             |
| VISCOMETER PACKAGES** HELISTAND             |             |            |             |
| ROTAVISC lo-vi HELI Complete Package        |             | 0025008214 | \$ 4,799.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC me-vi HELI Complete Package        |             | 0025008216 | \$ 4,799.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC hi-vi I HELI Complete Package      |             | 0025008217 | \$ 4,799.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC hi-vi II HELI Complete Package     |             | 0025008218 | \$ 4,799.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC SBS me-vi HELI Complete Package    |             | 0010007717 | \$ 6,025.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC SBS hi-vi I HELI Complete Package  |             | 0010007689 | \$ 6,025.00 |
| HELISTAND                                   |             | 0020026649 |             |
| ROTAVISC SBS hi-vi II HELI Complete Package |             | 0010007704 | \$ 6,025.00 |
| HELISTAND                                   |             | 0020026649 |             |

\*ROTAVISC packages include:  
SP 1-4 (lo-vi) / SP 7-12 (me-vi, hi-vi I, hi-vi II), protective bracket, temperature sensor





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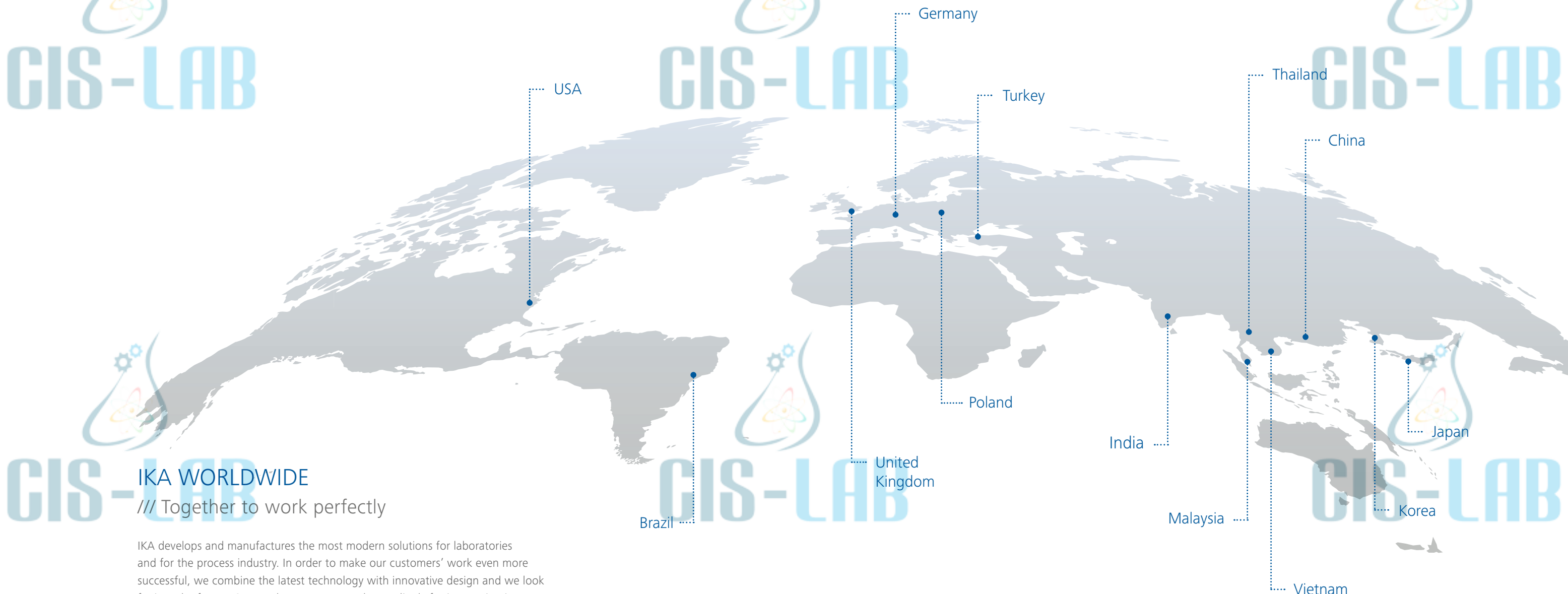
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