

IKA

designed for scientists

EN



Innovative laboratory solutions for your research
PRODUCT OVERVIEW



IKA – YOUR RELIABLE LABORATORY PARTNER

/// Elevate your lab experience

Welcome to the world of IKA, where reliability meets innovation. IKA is known for manufacturing laboratory and analytical instruments of the highest quality and is your reliable partner in scientific research.

But our commitment does not end with the production of top-quality products. IKA goes above and beyond, offering a wide range of services worldwide - be it repair, maintenance, on-site installation, calibration, application support or device qualification.

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

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.



/// 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.

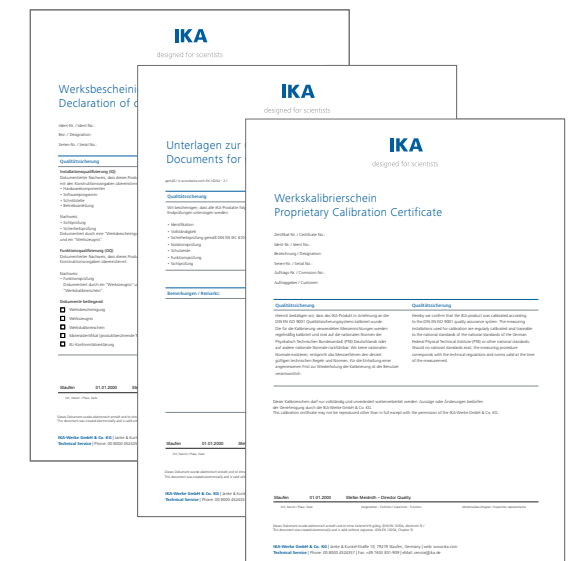
The product-specific documents are prepared individually according to your requirements. These product-specific documents consist of detailed descriptions of installation qualifications (IQ), functional tests (OQ) and process qualifications (PQ) to be performed based on the customer specification (DQ).

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.



/// APPLICATION SUPPORT

You can test all of the laboratory equipment yourself at the IKA Application Center. Our experts will analyze your samples and work with you to decide how to optimize your application. Our Application Center shows the latest laboratory equipment over an area of 400 m².

Equipment tests

The Application Team provides support with customized testing of equipment and processes.

Sample analysis and application recommendation

We also process samples sent in to us and give you a report on the results with application recommendations within a period of two working days.

Customizing Center

If you can't find exactly what you are looking for, get in touch with the IKA Customizing Center. Our team will check how we can fulfill your product requirements using customized solutions. For further information and examples of implemented product change requests, please contact sales-lab@ika.kr.



/// WORLDWIDE SERVICE

Your decision to use a product from IKA is also a decision to opt for the excellent technical service provided by IKA in your region. Our team is at your disposal worldwide for service questions. Availability of replacement parts for your IKA laboratory equipment is guaranteed for 10 years.

Any questions? Our service team is at your personal disposal:
+82 (2) 2136 6800

IKA warranties

IKA offers generous free warranty extensions if you register your product at www.ika.com/register within 90 days after purchase. You can normally benefit from a year of additional services (2+1). With some equipment we even guarantee several years of warranty extensions:

- › Rotary evaporators and KS 4000 incubation shakers: warranty extension for three years (2+3).
- › Viscometers, ElectraSyn 2.0, RCT digital, C-MAG HS 7 control and the MICRO-/MINISTAR series: extension by a full eight years (2+8).
- › For pipettes and calorimeters: a one year warranty plus an additional year following registration (1 + 1).

The free warranty extension can be acquired in just a few clicks at www.ika.com/register.



Virtual Reality Demo

Our Virtual Reality trainings will help you increase productivity, reduce travel costs and gain insights into our products like never before! You can freely choose between various applications and meet our specialists for remote expert talks directly in the virtual world.



Book your experience now:
www.ika.com/vr-demo



/// 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!



iF Design Award 2023 for HABITAT

Our new bioreactor HABITAT research convinced the jury of the world's oldest independent design institution, iF International Forum Design GmbH. HABITAT proved that it is possible to work easily and pleasantly even with highly complex devices. As the first laboratory bioreactor with a lid stand, it saves users a lot of handling, ensures ergonomic working and a tidy laboratory. Its unique "Chaotic Mixing" mode enables faster and more efficient mixing. The consistently intuitive operation shortens the familiarization period.



Innovative strength and economic success



IKA continues to be honored for its innovative spirit. Since 2012, we've been recognized five 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 2018 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 2024.

Design strength and user-friendliness

Whether the iF Design Award, 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 2022, the TWISTER, the completely rethought mixing expert with patented design from IKA, received the Red dot award in the product design category. TWISTER thus joins the ranks of IKA's Red dot award-winning devices: the Tube Mill control batch mill, LR 1000 laboratory reactor, the shakers Roller and Trayster digital, the magnetic stirrer C-MAG HS 7 control and the global innovation ElectraSyn 2.0, a device for electrochemical synthesis.

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 iF Design Award was awarded not only to the HABITAT bioreactor in 2023, but also to the IKA PETTE (2020), KMO 3 and RCT digital magnetic stirrers and the MINISTAR 80 overhead stirrer (all 2017), as well as other devices.



Corporate responsibility



In 2023, IKA was once again nominated as part of the medium-sized company award for social responsibility from the German state of Baden-Württemberg (Lea-Mittelstandspreis). Of the numerous applicants, only five companies in each category received this prestigious nomination. In 2013, IKA was honored with first place for its extraordinary contribution with the HANDS FOR CHILDREN aid project. Also in 2013, 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.



Watch
HABITAT video

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

Ident. No. 0010007542

HABITAT cell cct

Ident. No. 0010007582



HABITAT ferment

Ident. No. 0010007552

HABITAT ferment cct

Ident. No. 0010007594



HABITAT photo cell

Ident. No. 0010007562

HABITAT photo cell cct

Ident. No. 0010007604



HABITAT photo ferment

Ident. No. 0010007572

HABITAT photo ferment cct

Ident. No. 0010007614



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, O₂, N₂, CO₂)

Control parameter

Stirrer, gas flush, liquid feed, off-gas analysis, temperature, pH, DO, foam, level (conductivity, CO₂, 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 × 624 × 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, O₂, N₂, CO₂)

Stirrer, gas flush, liquid feed, off-gas analysis, temperature, pH, DO, foam, level (conductivity, CO₂, turbidity, light)

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

224 × 624 × 405 mm

① HABITAT cell sw 0.5
Ident. No. 0010007644

② HABITAT cell dw 0.5
Ident. No. 0010007645



① HABITAT cell sw 1
Ident. No. 0010007646

② HABITAT cell dw 1
Ident. No. 0010007647



① HABITAT cell sw 2
Ident. No. 0010007648

② HABITAT cell dw 2
Ident. No. 0010007649



① HABITAT cell sw 5
Ident. No. 0010007650

② HABITAT cell dw 5
Ident. No. 0010007651

③ HABITAT cell dw 10
Ident. No. 0010007652



TECHNICAL DATA	HABITAT CELL SW 0.5 1 2 5	HABITAT CELL DW 0.5 1 2 5 10
Vessel type	Single wall, borosilicate glass	Double wall, borosilicate glass
Total volume	0.8 l 1.6 l 3 l 6.7 l	0.8 l 1.6 l 3 l 6.7 l 12.9 l
Working volume	0.25 – 0.5 l 0.3 – 1 l 0.6 – 2 l 1 – 5 l	0.25 – 0.5 l 0.3 – 1 l 0.6 – 2 l 1 – 5 l 2 – 10 l
Speed range	1 – 1400 rpm 1 – 2000 rpm 1 – 2200 rpm 1 – 1500 rpm	1 – 1400 rpm 1 – 2000 rpm 1 – 2200 rpm 1 – 1500 rpm 1 – 800 rpm
Temperature control	Heating sleeve, RT – 60 °C	Thermostat, 5 – 75 °C
pH sensor (resolution)	0 – 14 pH (0.01 pH)	0 – 14 pH (0.01 pH)
DO sensor (resolution)	0 – 200 % (0.01 %)	0 – 200 % (0.01 %)
Sparger type	Micro sparger, 5 µm	Micro sparger, 5 µm
Stirrer type	3-blade segment stirrer	3-blade segment stirrer
Material in contact with product	AISI 316L, borosilicate glass 3.3, silicone USP class VI	AISI 316L, borosilicate glass 3.3, silicone USP class VI

① HABITAT ferment dw 0.5
Ident. No. 0010007655

② HABITAT ferment dw 1
Ident. No. 0010007657



① HABITAT ferment sw 2
Ident. No. 0010007658

② HABITAT ferment dw 2
Ident. No. 0010007659



① HABITAT ferment sw 5
Ident. No. 0010007660

② HABITAT ferment dw 5
Ident. No. 0010007661



HABITAT ferment dw 10
Ident. No. 0010007662



TECHNICAL DATA	HABITAT FERMENT SW 2 5	HABITAT FERMENT DW 0.5 1 2 5 10
Vessel type	Single wall, borosilicate glass	Double wall, borosilicate glass
Total volume	3 l 6.7 l	0.8 l 1.6 l 3 l 6.7 l 12.9 l
Working volume	0.6 – 2 l 1 – 5 l	0.25 – 0.5 l 0.3 – 1 l 0.6 – 2 l 1 – 5 l 2 – 10 l
Speed range	1 – 2200 rpm 1 – 1500 rpm	1 – 1400 rpm 1 – 2000 rpm 1 – 2200 rpm 1 – 1500 rpm 1 – 800 rpm
Temperature control	Heating sleeve + cooling finger + chiller, 5 – 65 °C	Circulator, 5 – 75 °C
pH sensor (resolution)	0 – 14 pH (0.01 pH)	0 – 14 pH (0.01 pH)
DO sensor (resolution)	0 – 200 % (0.01 %)	0 – 200 % (0.01 %)
Sparger type	Ring sparger, 0.5 mm	Ring sparger, 0.5 mm
Stirrer type	6-blade disc stirrer (rushton)	6-blade disc stirrer (rushton)
Material in contact with product	AISI 316L, borosilicate glass 3.3, silicone USP class VI	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.
VESSELS		
HA.gv.sw.0.5	Glass vessel, single-wall, for 0.5 l	0020105898
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
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
DRIVE SHAFTS & MOTORS		
HA.ds.s.0.5	Drive shaft, standard coupling, for 0.5 l	0035003856
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.
DRIVE SHAFTS & MOTORS		
HA.mt.s.2	Small motor, standard coupling, for 0.5 l, 1 l and 2 l	0035003757
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
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
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
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.
SENSORS		
HA.s.co.cpl.1	CO ₂ sensor, complete, for 1 l	0020115419
HA.s.co.cpl.2	CO ₂ sensor, complete, for 2 l	0020115420
HA.s.co.cpl.10	CO ₂ 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
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, for 0.5 l	0020102905
HA.sp.m.1	Micro Sparger, 5 µm, for 1 l	0035003918
HA.sp.m.2	Micro Sparger, 5 µm, for 2 l	0020102879
HA.sp.m.5	Micro Sparger, 5 µm, for 5 l	0020102839
HA.sp.m.10	Micro Sparger, 5 µm, for 10 l	0020103001
HA.sp.r.0.5	Ring Sparger, 0.5 mm, for 0.5 l	0035003860
HA.sp.r.1	Ring Sparger, 0.5 mm, for 1 l	0035003818
HA.sp.r.2	Ring Sparger, 0.5 mm, for 2 l	0035003763
HA.sp.r.5	Ring Sparger, 0.5 mm, for 5 l	0035003639
HA.sp.r.10	Ring Sparger, 0.5 mm, for 10 l	0035003718
TEMPERATURE CONTROL		
HA.hbl.0.5	Heating blanket, for 0.5 l	0035004032
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.
SAMPLE COLLECTION		
HA.hp.s.0.5	Harvest pipe, straight, for 0.5 l	0035003898
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
BAFFLE		
HA.ba.0.5	Baffle, for 0.5 l	0035003868
HA.ba.1	Baffle, for 1 l	0035003827
HA.ba.2	Baffle, for 2 l	0035003774
HA.ba.5	Baffle, for 5 l	0035003645
HA.ba.10	Baffle, for 10 l	0035003730
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
SPIN FILTER		
HA.fi.10.1	Spin filter, 10 µm, for 1 l	0020114014
HA.fi.10.2	Spin filter, 10 µm, for 2 l	0020111027
HA.fi.10.5	Spin filter, 10 µm, for 5 l	0020111052
HA.fi.10.10	Spin filter, 10 µm, for 10 l	0020114069
HA.fi.20.1	Spin filter, 20 µm, for 1 l	0020114060
HA.fi.20.2	Spin filter, 20 µm, for 2 l	0020111022
HA.fi.20.5	Spin filter, 20 µm, for 5 l	0020111061
HA.fi.20.10	Spin filter, 20 µm, for 10 l	0020114080
HA.fi.40.1	Spin filter, 40 µm, for 1 l	0020114064
HA.fi.40.2	Spin filter, 40 µm, for 2 l	0020111015
HA.fi.40.5	Spin filter, 40 µm, for 5 l	0020111065
HA.fi.40.10	Spin filter, 40 µm, for 10 l	0020114085



Tablet 10.x inch



LED Panel

Product	Description	Ident. No.
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
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



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!
info@ika.kr

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

Ident. No. 0020008980

Ready-To-Go
package



ElectraSyn 2.0 pro Package

Ident. No. 0040003261



ElectraSyn 2.0 Package

Electrosynthesis basic device
Vial holder
Vial, 10 ml complete
2 electrodes (graphite)
Stir plate attachment
Stir bar

ElectraSyn 2.0 pro Package

Electrosynthesis basic device
Vial holder
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

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 DIN EN 60529	IP 40

ELECTRASYN 2.0 PACKAGE | PRO PACKAGE

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.
ATTACHMENTS		
Carousel	Attachment for multi measurements	0020017512
Carousel complete	Attachment for multi measurements, incl. glass vials	0040005427
e-Hive	Screening platform with a maximum of 24 reactions	0040004945
GOGO Module	Universal extension for ElectraSyn 2.0	0040006052
Pro-Seal	Vial cap for gas exchange	0040007151
Pro-Divide	Reaction cell for divided electrochemistry	0040006482
Calibration cap	Calibration cap for ElectraSyn 2.0	0040007388
ACCESSORIES PRO-DIVIDE		
Fritte Set, 1 µm	Glass frit, 2 pcs.	0020102632
Fritte Set, 5 µm	Glass frit, 2 pcs.	0020102633
Fritte Set, 10 µm	Glass frit, 2 pcs.	0020102634
Fritte Sample Set	Kit of 1/5/10 µm glass frit, 1 pc. each	0020101403
ELECTRODES FOR E-HIVE		
Copper electrode inner	Anode copper (24 pcs.)	0040007427
Graphite electrode inner	Anode graphite (24 pcs.)	0040007430
Stainless electrode inner	Anode stainless steel (24 pcs.)	0040007429
Copper electrode outer	Cathode copper (24 pcs.)	0040007436
Graphite electrode outer	Cathode graphite (24 pcs.)	0040007438
Stainless electrode outer	Cathode stainless steel (24 pcs.)	0040007443



Fritte Set



Glass vial 5 ml

Glass vial complete 10 ml



ElectraSyn 2.0 Complete Starter Kit



Microvial 1 ml

Microvial 2 ml

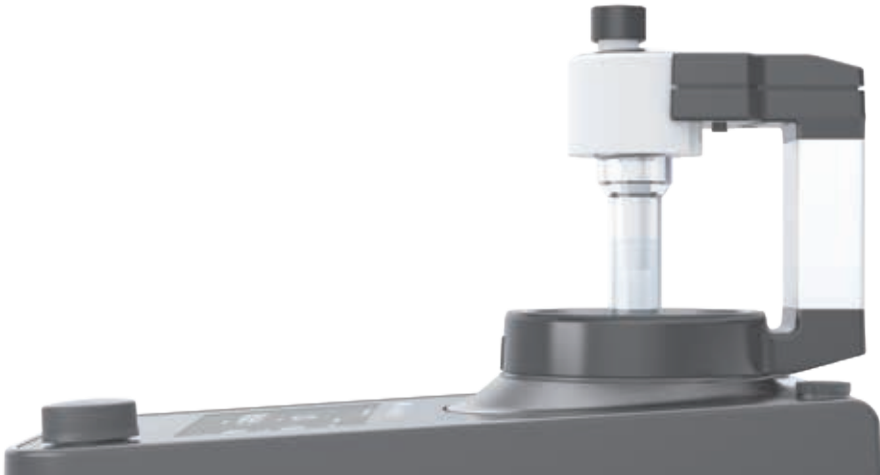


ElectraSyn 2.0 Micro Starter Kit complete

Product	Description	Ident. No.
VIALS / ELECTRODES		
Glass vial complete 5 ml	Glass vial 5 ml incl. lid, glass and magnetic bar	0040003171
Glass vial complete 10 ml	Glass vial 10 ml incl. lid, glass and magnetic bar	0040003170
Glass vial complete 20 ml	Glass vial 20 ml incl. lid, glass and magnetic bar	0040003168
Glass vials 5 ml	Glass vial 5 ml, set of 10	0040003327
Glass vials 10 ml	Glass vial 10 ml, set of 10	0040003325
Glass vials 20 ml	Glass vial 20 ml, set of 10	0040003324
ElectraSyn 2.0 Electrode Starter Kit	Kit of glassy carbon, set of 2 + 8 other electrodes, each set of 12	0020017204
ElectraSyn 2.0 Complete Vial Kit	Kit of 5 ml, 10 ml and 20 ml vials complete, 10 spare vials of each volume	0010003810
ElectraSyn 2.0 Vials only Kit	Kit of 10 × 5 ml, 10 × 10 ml, 10 × 20 ml vials	0010003811
ElectraSyn 2.0 Complete Starter Kit	Kit of 5 ml, 10 ml, 20 ml vials complete; 10 spare vials of each volume; 9 electrodes (each 12 pcs., glassy carbon 2 pcs.)	0040004013
Electrode CV Package	Kit of electrodes (CV glassy carbon, CV platinum, reference electrode)	0040002864
MICROVIALS / MICROELECTRODES		
Microvial 1 ml	Glass vial 1 ml incl. lid, glass and magnetic bar	0040003294
Microvial 2 ml	Glass vial 2 ml incl. lid, glass and magnetic bar	0040003295
Micro glass vials 1 ml	Glass vial 1 ml, set of 10	0020017207
Micro glass vials 2 ml	Glass vial 2 ml, set of 10	0020017206
ElectraSyn 2.0 Micro electrode Starter Kit	Kit of glassy carbon, set of 2 + 7 other electrodes, each set of 12	0040004016
ElectraSyn 2.0 microvials only	Kit 10 × 1 ml, 10 × 2 ml vials	0040004103
ElectraSyn 2.0 Microvial Kit complete	Kit of 1 ml and 2 ml vials complete, 10 spare vials of each volume	0040004014
ElectraSyn 2.0 Micro Starter Kit complete	Kit of 1 ml and 2 ml vials complete; 10 spare vials of each volume; 8 electrodes (each 12 pcs., glassy carbon 2 pcs.)	0040004015



Product	Ident. No.
ELEKTRODEN	
① Electrode graphite (12 pcs.)	0040002858
② Electrode glassy carbon (2 pcs.)	0040002842
Electrode lead bronze (2 pcs.)	0020016076
Electrode lead (12 pcs.)	0040002843
Electrode tungsten (2 pcs.)	0040002845
③ Electrode niobium (2 pcs.)	0040002846
④ Electrode copper (12 pcs.)	0040002847
Electrode magnesium (12 pcs.)	0040002848
Electrode titanium (12 pcs.)	0040002849
Electrode zinc (12 pcs.)	0040002850
Electrode stainless steel (12 pcs.)	0040002851
⑤ Electrode CV Platinum (2 pcs.)	0040002852
Electrode platinum foil (2 pcs.)	0040005015
Electrode platinum on ceramics (2 pcs.)	0040006753
Electrode gold plated (2 pcs.)	0040002853
⑥ Electrode silver plated (2 pcs.)	0040002854
Electrode aluminum (12 pcs.)	0040003174
Electrode boron doped diamond (2 pcs.)	0040002856
Electrode tin (12 pcs.)	0040002857
⑦ Electrode nickel (12 pcs.)	0040002859
⑧ Electrode RVC foam (12 pcs.)	0040002860
Electrode nickel foam (12 pcs.)	0040002861
Electrode cobalt (2 pcs.)	0040003385
⑨ Electrode reference (1 pc.)	0040002865
Electrode CV glassy carbon (1 pc.)	0040002863



Product	Ident. No.
MICROELECTRODES	
① Microelectrode aluminum (12 pcs.)	0040004029
Microelectrode boron-doped diamond (2 pcs.)	0040004036
② Microelectrode cobalt (2 pcs.)	0040004039
③ Microelectrode copper (12 pcs.)	0040004027
④ Microelectrode glassy carbon (2 pcs.)	0040004022
⑤ Microelectrode gold (2 pcs.)	0040004034
Microelectrode graphite SK-50 (12 pcs.)	0040004021
Microelectrode lead (12 pcs.)	0040004028
⑥ Microelectrode lead bronze (12 pcs.)	0040004030
Microelectrode magnesium (12 pcs.)	0040004025
Microelectrode nickel (12 pcs.)	0040004023
⑦ Microelectrode nickel foam (12 pcs.)	0040004101
⑧ Microelectrode niobium (2 pcs.)	0040004032
Microelectrode silver (2 pcs.)	0040004035
Microelectrode stainless steel (12 pcs.)	0040004024
⑨ Microelectrode tin (12 pcs.)	0040004037
Microelectrode titanium (12 pcs.)	0040004033
Microelectrode tungsten (2 pcs.)	0040004031
Microelectrode zinc (12 pcs.)	0040004026

Screening System Package
(8 cells)

Ident. No. 0040003642



Screening System Package
(6 cells)

Ident. No. 0040003631



TECHNICAL DATA	
CONTINUOUSLY ADJUSTABLE POWER SUPPLY	
Voltage output	0 – 32 V (± 1 mV)
Supply voltage	115 or 230 V (50 Hz / 60 Hz)
MAGNETIC STIRRER	
Speed range	0 – 1500 rpm
REACTION CELLS	
Number of cells	6 (divided cell) or 8 (undivided cell)
Cell volume of undivided cell	10.7 ml
Cell volume of divided cell (per chamber)	12.7 ml
Material	PTFE
Temperature control	Yes (RT to 100 °C)

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.

Screening System Package (8 cells)	Screening System Package (6 cells)
Reaction block	Reaction block
Single Cells	Divided Cell
Aluminum block	Aluminum block
IKA Plate (RCT digital)	IKA Plate (RCT digital)
Magnetic stirrer, including PT 1000 temperature sensor	Magnetic stirrer, including PT 1000 temperature sensor
Crown stirrer 8 pcs.	Crown stirrer 12 pcs.
Cable Set with crocodile clamps	Cable Set with crocodile clamps
Step-up transformer	Step-up transformer



Reaction block with 6 divided cells



Reaction block with 8 undivided cells



Divided cell



LABORATORY SOFTWARE
labworldsoft® 6 Screening System

Ident. No. 0020023690

Product	Ident. No.
ACCESSORIES SCREENING SYSTEM	
Reaction block with 6 divided cells	0020015936
Reaction block with 8 undivided cells	0020015943
Set of reaction cells (6 divided cells)	0040003647
Set of reaction cells (8 undivided cells)	0040003648
SC.MF Manifold	0020110119
SC.MF.CP.UDIV Manifold cap, for undivided cells	0020110375
SC.MF.CP.DIV Manifold cap, for divided cells	0020110376
ELECTRODES	
Electrode 0.7 boron doped diamond (8 pcs.)	0040003932
Electrode 0.7 glassy carbon (16 pcs.)	0040003670
Electrode 0.7 graphite SK-50 (16 pcs.)	0040003954
Electrode 0.7 platinum (8 pcs.)	0040003678
Electrode 0.7 platinum on ceramics (2 pcs.)	0020023860
Electrode 0.7 gold (8 pcs.)	0040003934
Electrode 0.7 silver (8 pcs.)	0040003938
Electrode 0.7 nickel foam (16 pcs.)	0040003935
Electrode 0.7 graphite V2100 (16 pcs.)	0040003669
Electrode 0.7 nickel (16 pcs.)	0040003671
Electrode 0.7 stainless steel (8 pcs.)	0040003672
Electrode 0.7 lead (16 pcs.)	0040003673
Electrode 0.7 lead bronze (8 pcs.)	0040003674
Electrode 0.7 copper (8 pcs.)	0040003675
Electrode 0.7 magnesium (16 pcs.)	0040003677
Electrode 0.7 zinc (16 pcs.)	0040003680
Electrode 0.7 aluminium (16 pcs.)	0040003682
Electrode 0.7 cobalt (8 pcs.)	0040003933
Electrode 0.7 niobium (8 pcs.)	0040003936
Electrode 0.7 tin (8 pcs.)	0040003939
Electrode 0.7 titanium (8 pcs.)	0040003940
Electrode 0.7 tungsten (8 pcs.)	0040003941
Electrode 0.7 RVC (16 pcs.)	0040003937
Electrode 0.7 Sampler Kit incl. 7 × 2 electrodes*	0040004509
Electrode 0.7 Starter Kit incl. 9 × 1 electrode**	0040003646
FURTHER ACCESSORIES	
Electrode 0.7 power supply	0040003604
SC 1.1 Cable (1 – 4)	0040003663
SC 1.2 Cable (5 – 8)	0020018590
SC 2.1 Crocodile clip for cable set	0040003630
labworldsoft® 6 Screening System	0020023690

*BDD, cobalt, gold, silver, niobium, tungsten, titanium **graphite V2100, glassy carbon, magnesium, tin, nickel foam, nickel, lead, lead bronze, copper

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

Ident. No. 0020100742



IKA FLOW System Package

- Glass bottle
- Capillary set
- Heating block
- CDR.PP standard (2x)
- Tubing set

TECHNICAL DATA

Max. solvent volume	500 ml
Connection type	Push-to-connect // Screw fittings
Max. input pressure	1 mPa
Input pressure	Pressure of the gas from fume hood
Max. working pressure	137 kPa
Max. working temperature	100 °C
Working pressure	Pressure of the gas in solvent bottle
Material	304 stainless steel // Nylon (PA)
Dimensions (W × H × D)	250 × 375 × 140 mm
Weight	2.7 kg

IKA FLOW SYSTEM

Name	Description	Ident. No.
ACCESSORIES IKA FLOW		
REACTOR SETS		
CDR.PP narrow	Disc reactor set, polypropylene, narrow, 2 pcs.	0020102705
CDR.PP standard	Disc reactor set, polypropylene, standard, 2 pcs.	0020102637
CDR.PVDF narrow	Disc reactor set, polyvinylidene difluoride, narrow, 2 pcs.	0020102706
CDR.PVDF standard	Disc reactor set, polyvinylidene difluoride, standard, 2 pcs.	0020102638
MIXING CHIPS		
MX.PP	Mixing chip set, polypropylene	0020103092
MX.PVDF	Mixing chip set, polyvinylidene difluoride	0020103093
OTHER ACCESSORIES		
Heating Block	Heating block for up to four disc reactors	0020103369
Capillary Set	Capillary set, 4 pcs.	0020103091



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



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.

/// UNIVERSAL MIXING DRIVE

TWISTER SET 1

Ident. No. 0020027010



TWISTER SET 2

Ident. No. 0020027388



TWISTER SET 3

Ident. No. 0020027389



TWISTER SET 4

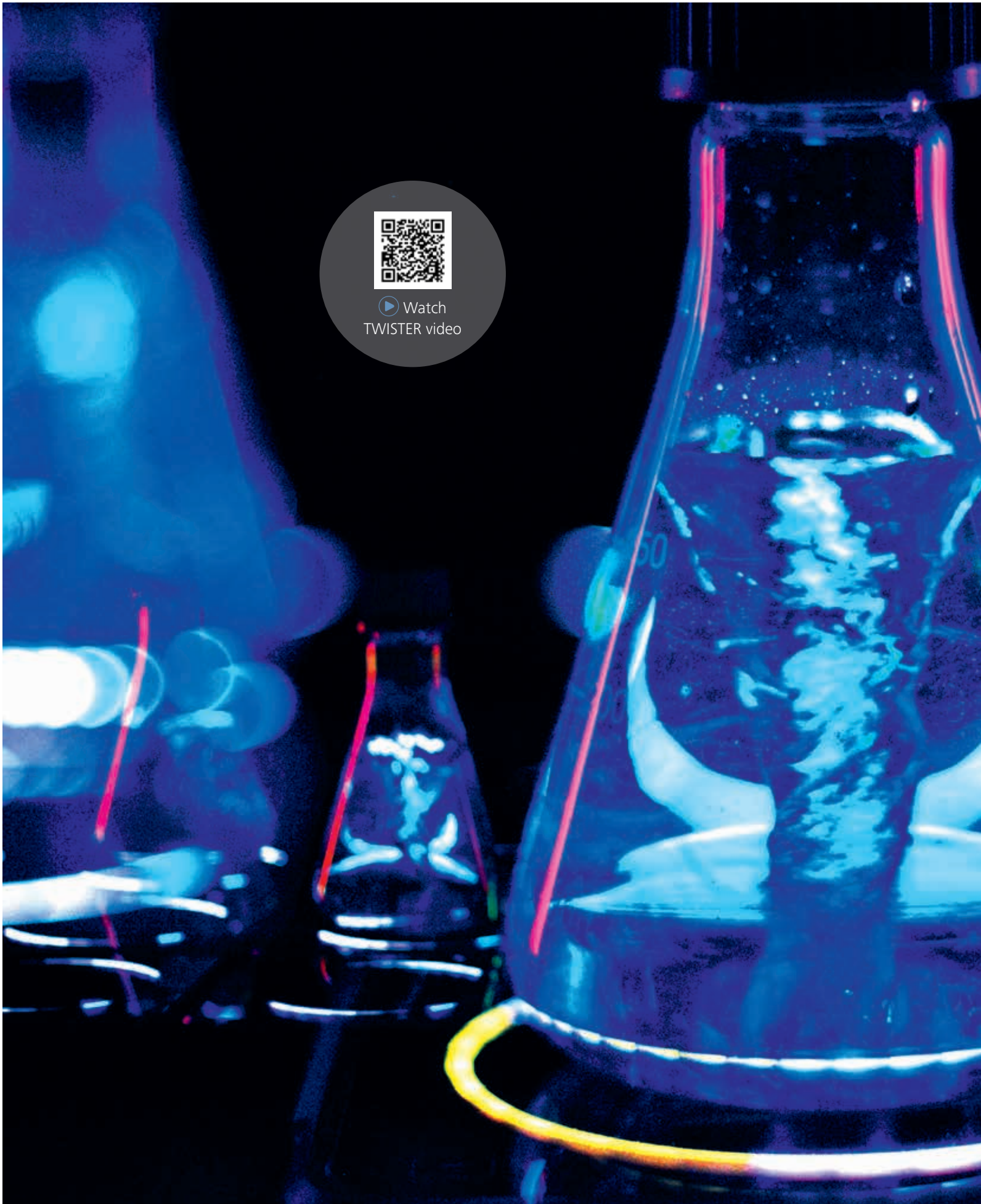
Ident. No. 0020027390



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 ₂ 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



Product	Description	Ident. No.
TWISTER ACCESSORIES		
TWISTER Add-on unit	Magnetic stirrer, without power supply	0020112621
TW.IX	Stirring attachment, 9 positions	0020103426
TW.VX	Shaking attachment	0020110145
TW.IX.28	Vessel holder for jars (28 mm)	0020112966
TW.IX 23	Vessel holder for jars (23 mm)	0020112965
STICKMAX II	Universelle Haftmatte for TWISTER	0020112736
TW.IX.ANTISLIP	Anti-slip mat for TW.IX	0020111461
UNIVERSAL ATTACHMENTS AND BASIC HOLDERS		
MS 3.3	Universal attachment	0003426600
TUBE INSERTS		
MS 3.1	Standard attachment	0003426300
MS 1.21	One-hand insert	L001540
MS 1.30	Attachment for 0.5 ml tubes	0025005776
MS 1.31	Test tube insert, 14 x Ø 10 mm	L001840
MS 1.32	Test tube insert, 6 x Ø 12 mm	L001850
MS 1.33	Test tube insert, 4 x Ø 16 mm	L001860
MS 1.34	Test tube insert	L001830
MICROTITER PLATE AND PCR ATTACHMENTS		
MS 3.4	Microtiter plate attachment	0003426400
MS 3.5	PCR plate attachment, 96-well	0003428000
STIRRING BARS, PTFE COATED, POWER		
IKAFLON 10 power ellipse	Magnetic stirring bar, ellipse, rare earth, 6 x 10 mm, 5 pcs.	0020110607
IKAFLON 15 power ellipse	Magnetic stirring bar, ellipse, rare earth, 10 x 15 mm, 5 pcs.	0020110747
IKAFLON 25 power ellipse	Magnetic stirring bar, ellipse, rare earth, 14 x 25 mm, 5 pcs.	0020110748
POWER SUPPLY AND DATA CABLES		
TW.PWR.0	Power supply incl. device plug (≤ 2 devices)	0020121797
TW.PWR.1	Power supply ≤ 4 devices	0025005565
TW.PWR.2	Power supply ≤ 30 units	0020116436
TW.CABLE	Extension cable 0.5 m	0020025856



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



▶ Watch
RCT video

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

Ident. No. 0025006477



IKA Plate (RCT digital)

Ident. No. 0020014903



RCT basic ready-to-go
Solution

RCT basic Synthesis
Solution 250

RCT basic ETS-D5
Solution

RCT basic Synthesis
Solution 500

RCT basic Synthesis
Solution 1000

Further package
information on
page 163



TECHNICAL DATA	RCT BASIC	IKA PLATE (RCT DIGITAL)
Stirring quantity max. (H ₂ O)	20 l	20 l
Direction of rotation	right	right / left
Speed range	50 – 1500 rpm	50 – 1500 rpm
Heat output	600 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 310 °C
Set-up plate material	Aluminium alloy	Aluminium alloy
Set-up plate dimensions	Ø 135 mm	Ø 135 mm
Dimensions (W × H × D)	160 × 85 × 270 mm	160 × 85 × 270 mm
Protection class according to DIN EN 60529	IP 42	IP 42
Interfaces	USB, RS 232	USB, RS 232

RCT 5 digital
Ident. No. 0020103351

850 W
Power

C-MAG HS 7 control
Ident. No. 0020002694



- ① C-MAG HS 4 digital
Ident. No. 0025001025
- ② C-MAG HS 7 digital
Ident. No. 0025004645
- ③ C-MAG HS 10 digital
Ident. No. 0025001026



- ① C-MAG HS 4
Ident. No. 00035810A0
- ② C-MAG HS 7
Ident. No. 00035812A0
- ③ C-MAG HS 10
Ident. No. 00035814A0



C-MAG HS 7 Package

- C-MAG HS 7 Magnetic Stirrer with heating and ceramic plate
- ETS-D5 Electronic contact thermometer
- H 38 Holding rod
- H 44 Boss head clamp
- H 16 V Support rod

TECHNICAL DATA	RCT 5 DIGITAL	C-MAG HS 7 CONTROL	C-MAG HS 4 7 10 DIGITAL	C-MAG HS 4 7 10
Stirring quantity max. (H ₂ O)	20 l	20 l	5 l 10 l 15 l	5 l 10 l 15 l
Speed range	50 – 1500 rpm	50 – 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
Heat output	850 W	1000 W	250 W 1000 W 1500 W	250 W 1000 W 1500 W
Heating temperature	RT + device self heating – 310 °C	RT + device self heating – 500 °C	50 – 500 °C	50 – 500 °C
Set-up plate material	Aluminum with ceramic coating	Ceramic	Ceramic	Ceramic
External Temperature control	137 × 137 mm	180 × 180 mm	PT 1000	– ETS-D5 ETS-D5
Dimensions (W × H × D)	160 × 85 × 270 mm	220 × 88 × 354 mm	150 × 105 × 260 mm 215 × 105 × 330 mm 300 × 105 × 415 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 300 × 105 × 415 mm
Protection class according to DIN EN 60529	IP 42	IP 21	IP 21	IP 21

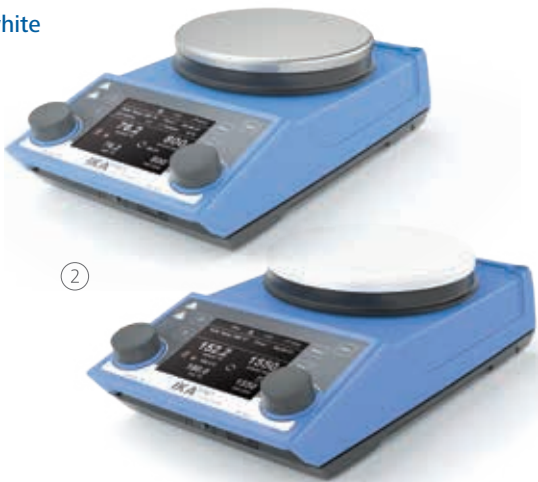
RET basic
Ident. No. 00036220A0



- ① RH basic
Ident. No. 00050197A0 ①
- ② RH basic white
Ident. No. 0005029700
- ③ RH basic 2
Ident. No. 0003339000



- ① RET control-visc
Ident. No. 0005020000
- ② RET control-visc white
Ident. No. 0005030000



- ① RH digital
Ident. No. 00050198A0
- ② RH digital white
Ident. No. 0004678000



Weighing function
& pH measurement

TECHNICAL DATA	RET BASIC	RET CONTROL-VISC WHITE	RH BASIC BASIC WHITE RH BASIC 2	RH DIGITAL DIGITAL WHITE
Stirring quantity max. (H ₂ O)	20 l	20 l	15 l 10 l	15 l
Speed range	50 – 1700 rpm	50 – 1700 rpm	100 – 2000 rpm	100 – 2000 rpm
Heat output	600 W	600 W	600 W 400 W	600 W
Heating temperature	RT + device self heating – 340 °C	RT + device self heating – 340 °C	50 – 320 °C Room temp. °C – 320 °C	50 – 320 °C
Set-up plate material	Stainless steel 1.4301	Stainless steel 1.4301 I Coated	Stainless steel 1.4301 RH basic white: coated	Stainless steel 1.4301 RH digital white: coated
Connection for ext. temperature sensor	PT 1000	PT 1000	ETS-D5 ETS-D5 –	ETS-D5
Dimensions (W × H × D)	160 × 95 × 270 mm	160 × 85 × 270 mm	160 × 100 × 250 mm 168 × 105 × 220 mm	160 × 100 × 250 mm
Protection class according to DIN EN 60529	IP 42	IP 42	IP 21	IP 21

/// MULTI-POSITION MAGNETIC STIRRER

① **RO 5**
Ident. No. 00036905A0

② **RO 10**
Ident. No. 00036910A0

③ **RO 15**
Ident. No. 00036925A0

Adjustable reverse operation



① **RT 5**
Ident. No. 00036906A0

② **RT 10**
Ident. No. 00036911A0

③ **RT 15**
Ident. No. 00036926A0

Multi-position hotplate stirrer, for synchronous heating and stirring



/// INDUSTRIAL MAGNETIC STIRRER

① **Midi MR 1 digital**
Ident. No. 0020013824

② **Maxi MR 1 digital**
Ident. No. 0020013823



I-MAG
Industrial magnetic stirrer
Ident. No. 0020109215



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 ₂ 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 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 190 × 470 mm 280 × 470 mm	110 × 495 mm 180 × 495 mm 270 × 495 mm	350 × 350 mm 500 × 500 mm	260 × 260 mm
Dimensions (W × H × D)	120 × 60 × 570 mm 190 × 60 × 570 mm 280 × 60 × 570 mm	120 × 60 × 610 mm 190 × 60 × 610 mm 280 × 60 × 610 mm	360 × 110 × 430 mm 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

- ① **topolino**
Ident. No. 0003368000
- ② **topolino mobil**
Ident. No. 0003381300
- ③ **Mini MR standard**
Ident. No. 0025004132



- KMO 3 basic**
Ident. No. 0020004631



- IKA myPlate**
Ident. No. 0025006950



- ① **lab disc white**
Ident. No. 0020011935



- ① **C-MAG MS 4**
Ident. No. 00035822A0
- ② **C-MAG MS 7**
Ident. No. 00035824A0
- ③ **C-MAG MS 10**
Ident. No. 00035826A0



TECHNICAL DATA	TOPOLINO MINI MR STANDARD	KMO 3 BASIC IKA MYPLATE	LAB DISC	C-MAG MS 4 7 10
Stirring quantity max. (H ₂ 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 0 – 2500 rpm	10 – 1500 rpm 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 115 × 115 mm	140 × 120 mm Ø 135 mm	Ø 100 mm	100 × 100 mm 180 × 180 mm 260 × 260 mm
Dimensions (W × H × D)	95 × 37 × 115 mm 115 × 37 × 129 mm	153 × 62.5 × 227 mm 152 × 30 × 164 mm	116 × 12 × 175 mm	150 × 105 × 260 mm 220 × 105 × 335 mm 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.
TEMPERATURE SENSORS	
Stainless steel	
PT 1000.60	0003516800
PT 1000.80	0004443000
PT 100.70	0020000440
Glass-coated	
PT 1000.70	0003736000
PT 100.51	0002600300
SafeCoat (PFA, PTFE)	
PT 1000.90	0004480600
PT 100.53	0004499700
Dual	
PT 1000.50	0003367600
PT 1000.51	0003377700

ELECTRONIC CONTACT THERMOMETERS

ETS-D5	00033780A0
ETS-D6	0003378100

SENSORS FOR ETS-D5 / ETS-D6

H 62.51	0002735451
H 66.51, glass coated	0002735551
H 66.53, coated	0004499900
H 70, extension cable	0002735600



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
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DRY HEATING BLOCK SQUARE SERIES

H 135.10 Square carrier without handle	–	160 × 160 mm	0025000832
H 135.11 Square carrier with handle	–	160 × 160 mm	0004448200
H 135.101 Block 16 × 4 ml	15.2 mm	79 × 79 mm	0025000626
H 135.102 Block 16 × 8 ml	17.5 mm	79 × 79 mm	0025000627
H 135.103 Block 9 × 16 ml	20.5 mm	79 × 79 mm	0025000628
H 135.104 Block 4 × 20 ml	28.5 mm	79 × 79 mm	0025000629
H 135.105 Block 4 × 30 ml	28.5 mm	79 × 79 mm	0025000630
H 135.106 Block 4 × 40 ml	28.5 mm	79 × 79 mm	0025000631
H 135.107 Block 100 ml	–	79 × 79 mm	0025000632
H 135.108 Block 250 ml	–	79 × 79 mm	0025000633

Product	Max. outer Ø	Inner Ø	Ident. No
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100 ML FLASK HEATING BLOCK SERIES

H 135.20 Flask carrier 100 ml without handle	142 mm	–	0025000634
H 135.21 Flask carrier 100 ml with handle	142 mm	–	0004448300
H 135.201 Flask inlay 10 ml	–	33.8 mm	0025000636
H 135.202 Flask inlay 25 ml	–	43.8 mm	0025000637
H 135.203 Flask inlay 50 ml	–	52.8 mm	0025000638

250 ML FLASK HEATING BLOCK SERIES

H 135.25 Flask carrier 250 ml without handle	142 mm	–	0025003280
H 135.26 Flask carrier 250 ml with handle	142 mm	–	0020007954

500 ML FLASK HEATING BLOCK SERIES

H 135.30 Flask carrier 500 ml without handle	142 mm	–	0025000639
H 135.31 Flask carrier 500 ml with handle	142 mm	–	0004448400
H 135.301 Flask inlay 100 ml	–	66.3 mm	0025000641
H 135.302 Flask inlay 250 ml	–	88 mm	0025000642

1000 ML FLASK HEATING BLOCK SERIES

H 135.40 Flask carrier 1000 ml without handle	166.3 mm	–	0025000833
H 135.41 Flask carrier 1000 ml with handle	166.3 mm	–	0004448500
H 135.401 Flask inlay 500 ml	–	108 mm	0025000644

2000 ML FLASK HEATING BLOCK SERIES

H 135.50 Flask carrier 2000 ml without handle	194.7 mm	–	0025000834
H 135.51 Flask carrier 2000 ml with handle	194.7 mm	–	0004448600
H 135.501 Flask inlay 1000 ml	–	131.8 mm	0025000645

Product	Dimensions	Ident. No
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IKAFLON® ROUND PTFE-COATED

10 round (5 pcs.)	10 × 6 mm	0004488600
15 round (5 pcs.)	15 × 6 mm	0004488700
20 round (5 pcs.)	20 × 8 mm	0004488800
25 round (5 pcs.)	25 × 8 mm	0004488900
30 round (5 pcs.)	30 × 8 mm	0004489000
40 round (5 pcs.)	40 × 8 mm	0004489100
50 round (5 pcs.)	50 × 8 mm	0004489200
80 round (5 pcs.)	80 × 10 mm	0004489300
110 round (1 pc.)	108 × 27 mm	0000793300
155 round (1 pc.)	153 × 27 mm	0001129000

IKAFLON® ROUND GLASS-COATED

25 round (5 pcs.)	25 × 6 mm	0004492200
40 round (5 pcs.)	40 × 8 mm	0004492600
50 round (5 pcs.)	50 × 8 mm	0004492800

IKAFLON® SLIDE ROUND

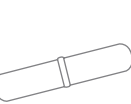
25 slide (5 pcs.)	25 × 6 mm	0004493800
30 slide (5 pcs.)	30 × 6 mm	0004494000
40 slide (5 pcs.)	40 × 8 mm	0004494200
50 slide (5 pcs.)	50 × 8 mm	0004494400

IKAFLON® POWER

20 power (5 pcs.)	20 × 6 mm	0004493000
30 power (5 pcs.)	30 × 6 mm	0004493200
50 power (5 pcs.)	50 × 8 mm	0004493400

IKAFLON® ELLIPSE PTFE-COATED

20 ellipse (5 pcs.)	20 × 10 mm	0004494600
25 ellipse (5 pcs.)	25 × 12 mm	0004494800
30 ellipse (5 pcs.)	32 × 16 mm	0004495000
35 ellipse (5 pcs.)	35 × 15 mm	0004495200
40 ellipse (5 pcs.)	40 × 20 mm	0004495400
50 ellipse (5 pcs.)	50 × 20 mm	0004495600
70 ellipse (5 pcs.)	70 × 20 mm	0004496000



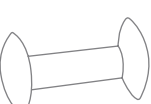
IKAFLON® round
PTFE-coated



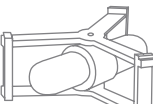
IKAFLON® ellipse
PTFE-coated



IKAFLON® cross
PTFE-coated



IKAFLON® bone
PTFE-coated



IKAFLON® beaker
PTFE-coated



TRIKA® PTFE-coated

Product	Dimensions	Ident. No
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IKAFLON® CROSS PTFE-COATED

10 cross (5 pcs.)	10 × 10 mm	0004496200
20 cross (5 pcs.)	20 × 20 mm	0004496400
25 cross (5 pcs.)	25 × 25 mm	0004496600
30 cross (5 pcs.)	30 × 30 mm	0004496800
38 cross (5 pcs.)	38 × 38 mm	0004497000

IKAFLON® BONE PTFE-COATED

37 bone (5 pcs.)	35 × 8 × 20 mm	0004497200
54 bone (5 pcs.)	55 × 8 × 20 mm	0004497400

IKAFLON® BEAKER PTFE-COATED

74 (1 pc.)	(Ø × H): 74 × 29 mm with 60 × 9	0004497800
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IKAFLON® CROWN PTFE-COATED

9 crown (5 pcs.)	9 × 6 mm	0004498400
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TRIKA® PTFE-COATED

25 Trika (5 pcs.)	25 × 8 mm	0004499300
35 Trika (5 pcs.)	35 × 9 mm	0004499400
55 Trika (5 pcs.)	55 × 14 mm	0004499500
80 Trika (5 pcs.)	80 × 17 mm	0004499600

SET OF MAGNETIC STIRRING BARS

RS 1		0001358600
RS 2		0004499100

STIRRING BAR REMOVER

RSE	Stirring bar remover	0001293100
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WiCo RET control-visc



Cover RET control-visc



IB R RO 15 eco



LABLIFT m



IKA Plate Adapter



Product	Description	Ident. No.
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WIRELESS-CONTROLLED OPERATING UNIT

WiCo RET control-visc	Wireless remote control	0020007259
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COVERS

H 102	Cover for RH basic	0004281600
H 103	Cover for RH digital	0004299100
H 100	Cover for RET basic	0003661000
H 104	Cover for RET control-visc	0004209500
H 105	Cover for RCT basic and digital	0025008136

MAINS CABLES

H 11	Mains cable Euro plug	0001091500
H 11	Mains cable USA plug	0003564500
H 11	Mains cable UK plug	0002410700
H 11	Mains cable CH plug	0001091600
H 11	Mains cable IN plug	0003923600

PLASTIC BATH FOR MAGNETIC STIRRER RO 15

IB R RO 15 eco	Plastic bath, size L, 25 l volume	0020006341
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LABLIFT

LABLIFT m	Up to 25 kg (max. static load)	0004022400
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IKA PLATE ADAPTER

IKA Plate Adapter	Heating block adapter for RCT 5 digital, C-MAG 7 and 10	0025001022
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BEAKER CAP

BC 1000	Beaker cap	0020003417
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LABORATORY SOFTWARE

labworldsoft® 6 Starter

Ident. No. 0020019397

labworldsoft® 6 Pro

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.
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OIL BATH ATTACHMENTS

H 29	Oil bath attachment, 1 l	0002829400
H 30	Oil bath attachment, 1.5 l	0002829500

BEAKERS, STAINLESS STEEL

H 1000	Beaker, stainless steel, 1 l	0004444401
H 1500	Beaker, stainless steel, 1.5 l	0004444501
H 3000	Beaker, stainless steel, 3 l	0004444503
H 5000	Beaker, stainless steel, 5 l	0004444505

HEATING JACKETS

HG 600	Heating jacket for beaker 600 ml	0020003416
HG 1000	Heating jacket for beaker 1000 ml	0020003415

HOLDERS

H 16 V	Support rod	0001545100
H 16.3	Extension for support rod	0025000622
H 44	Boss head clamp	0002437700
H 38	Holding rod	0003547700

ACCESSORIES FOR I-MAG

IKAFLON 90 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 90 × 30 mm, 1 pc.	0020102963
IKAFLON 140 slide	Magnetic stirring bar, PTFE round, with sliding ring (PEEK), 140 × 30 mm, 1 pc.	0020110382
IKAFLON 118 float	Magnetic stirring drive, PPS round, Ø 118 mm, 1 pc.	0020100638
RSE XL	Stirring bar remover for I-MAG	0020100641
I-MAG SP 150	Platform extension for I-MAG, for barrels up to 150 liters	0020102994
I-MAG SP 300	Platform extension for I-MAG, for barrels up to 300 liters	0020102996
I-MAG cart	Transport trolley and platform for I-MAG, for barrels up to 300 liters	0025008091
I-MAG BR	Bracket for stand rod I-MAG	0020110383
I-MAG UHC	Universal holder for I-MAG controller	0020110381
I-MAG EXT 3	Extension cable for I-MAG, 3 m	0020115558
H 28 V	Support rod for I-MAG	0020119439



H 3000



HG 600



H 16.3



H 44



I-MAG cart



I-MAG SP 300

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**
Ident. No. 0020114271
- MICROSTAR 7.5 digital**
Ident. No. 0020114268
- MICROSTAR 7.5 control**
Ident. No. 0020114264



Speed range:
50 – 2000 rpm



- MICROSTAR 15 digital**
Ident. No. 0020114269
- MICROSTAR 15 control**
Ident. No. 0020114265
- MICROSTAR 30 digital**
Ident. No. 0020114270
- MICROSTAR 30 control**
Ident. No. 0020114266



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 ₂ O)	5 l	5 l	10 l	20 l
Speed range	0 / 50 – 2000 rpm	0 / 50 – 2000 rpm 0 / 30 – 2000 rpm	0 / 50 – 1000 rpm 0 / 30 – 1000 rpm	0 / 50 – 500 rpm 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 60 x 173 x 136 mm	60 x 173 x 126 mm 60 x 173 x 136 mm	60 x 173 x 126 mm 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

Ident. No. 0025007837



MINISTAR 20 control

Ident. No. 0025007833



MINISTAR 40 digital

Ident. No. 0025007843



MINISTAR 40 control

Ident. No. 0025007841



MINISTAR 80 digital

Ident. No. 0025007847



MINISTAR 80 control

Ident. No. 0025007845



+

Vibration sensor included



TECHNICAL DATA	MINISTAR 20 DIGITAL CONTROL	MINISTAR 40 DIGITAL CONTROL	MINISTAR 80 DIGITAL CONTROL
Stirring quantity max. (H ₂ O)	15 l	25 l	50 l
Speed range	0 / 50 – 2000 rpm	0 / 50 – 1000 rpm 0 / 30 – 1000 rpm	0 / 50 – 500 rpm 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 70 × 193 × 154 mm	70 × 193 × 147 mm 70 × 193 × 154 mm	70 × 193 × 147 mm 70 × 193 × 154 mm
Protection class according to DIN EN 60529	IP 54	IP 54	IP 54

/// OVERHEAD STIRRERS FOR LIGHT STIRRING TASKS

EUROSTAR 20 digital

Ident. No. 00044420A0



EUROSTAR 40 digital

Ident. No. 00044440A0



EUROSTAR 60 digital

Ident. No. 00044460A0



EUROSTAR 60 control

Ident. No. 00044400A0



Quiet operation with brushless DC motor

/// POWERFUL OVERHEAD STIRRERS FOR UNIVERSAL STIRRING TASKS

EUROSTAR 100 digital

Ident. No. 00042381A0



EUROSTAR 100 control

Ident. No. 00040285A0



EUROSTAR 200 digital

Ident. No. 00039900A0



EUROSTAR 200 control

Ident. No. 00039920A0



Left-right interval rotation

TECHNICAL DATA	EUROSTAR 20 DIGITAL 40 DIGITAL	EUROSTAR 60 DIGITAL CONTROL	EUROSTAR 100 DIGITAL CONTROL	EUROSTAR 200 DIGITAL CONTROL
Stirring quantity max. (H ₂ 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 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 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 86 × 267 × 230 mm	86 × 248 × 208 mm 86 × 267 × 230 mm	91 × 274 × 209 mm 91 × 297 × 231 mm
Protection class according to DIN EN 60529	IP 42	IP 42 IP 40	IP 42 IP 40	IP 42 IP 40

/// PILOT SCALE OVERHEAD STIRRERS

EUROSTAR 400 digital
Ident. No. 0004214000

EUROSTAR 400 control
Ident. No. 0004214100



/// HIGH SPEED OVERHEAD STIRRERS

EUROSTAR 20 high speed digital
Ident. No. 00040286A0

EUROSTAR 20 high speed control
Ident. No. 0020015223



/// ULTRA HIGH TORQUE OVERHEAD STIRRERS

EUROSTAR 100 P4 control
Ident. No. 0025005143

EUROSTAR 200 P4 control
Ident. No. 00040900A0

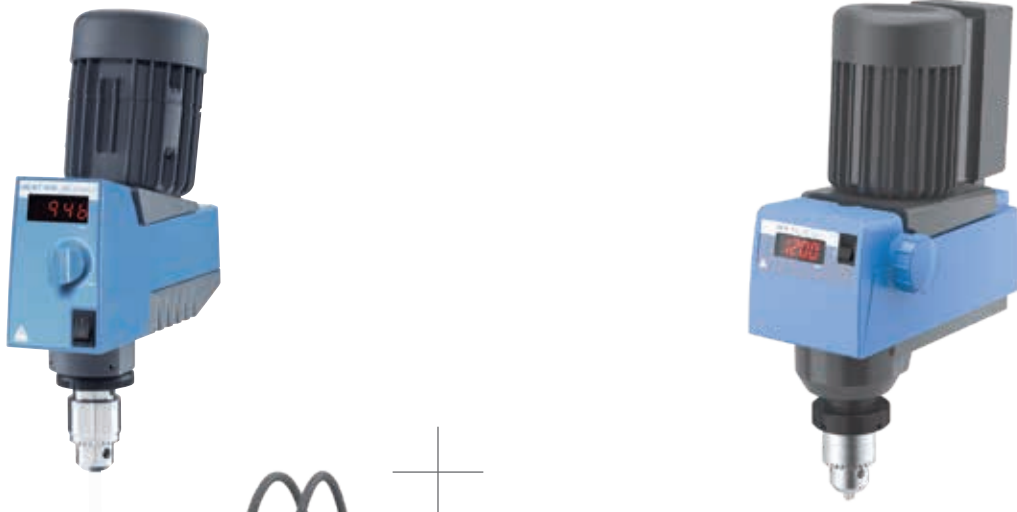


TECHNICAL DATA	EUROSTAR 400 DIGITAL CONTROL	EUROSTAR 20 HIGH SPEED DIGITAL CONTROL	EUROSTAR 100 P4 CONTROL	EUROSTAR 200 P4 CONTROL
Stirring quantity max. (H ₂ O)	150 l	20 l	100 l	100 l
Speed range	I: 6 – 400 rpm II: 30 – 2000 rpm	0 / 150 – 6000 rpm	10 – 300 rpm	I: 0 / 4 – 108 rpm II: 16 – 530 rpm
Viscosity max.	100 000 mPas	10 000 mPas	100 000 mPas	150 000 mPas
Torque max. at stirring shaft	I: 400 Ncm II: 80 Ncm	20 Ncm	320 Ncm	I: 660 Ncm 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 114 × 345 × 268 mm	86 × 325 × 208 mm 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
Ident. No. 0035930A0

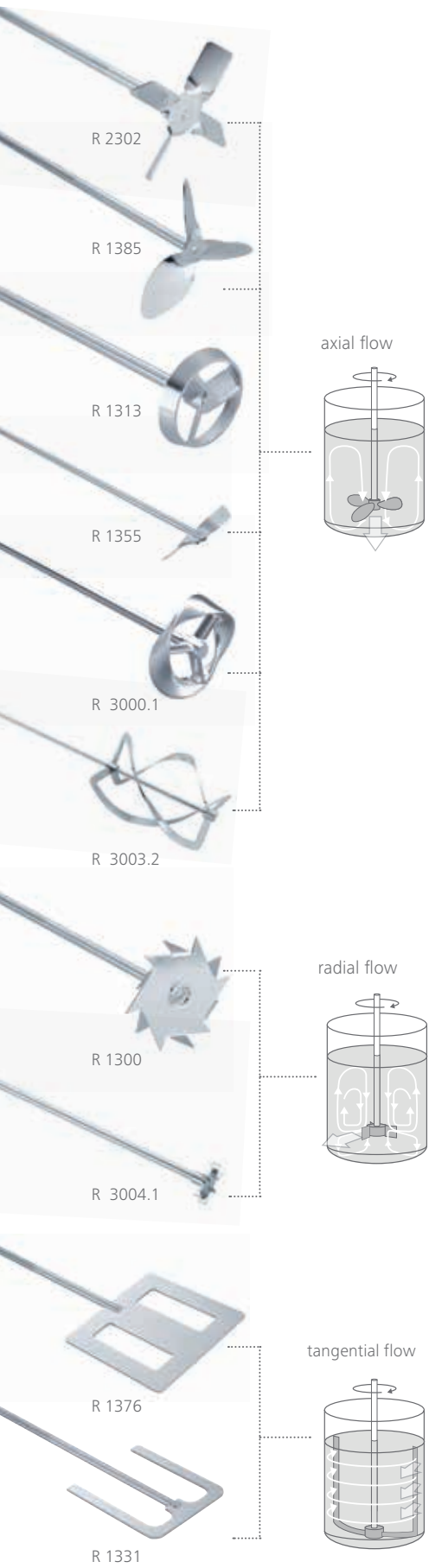
RW 28 digital
Ident. No. 0005040000



/// PILOT SCALE OVERHEAD STIRRER



TECHNICAL DATA	RW 20 DIGITAL	RW 28 DIGITAL	RW 47 DIGITAL
Stirring quantity max. (H ₂ O)	20 l	80 l	200 l
Speed range	I: 60 – 500 rpm II: 240 – 2000 rpm	I: 60 – 400 rpm II: 240 – 1400 rpm	I: 57 – 275 rpm II: 275 – 1300 rpm
Viscosity max.	10 000 mPas	50 000 mPas	100 000 mPas
Torque max. at stirring shaft	I: 150 Ncm II: 24 Ncm	I: 900 Ncm II: 300 Ncm	I: 3000 Ncm 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



Product	Shaft length Shaft diameter Stirrer diameter	Max. speed	Ident. No.
PROPELLER STIRRERS, 4-BLADED			
R 1342	350 8 50 mm	≤ 2000 rpm	0000741000
R 1345	550 8 100 mm	≤ 800 rpm	0000741300
R 2302	800 13 150 mm	≤ 600 rpm	0000739000
PROPELLER STIRRERS, 3-BLADED			
R 1381	350 8 45 mm	≤ 2000 rpm	0001296000
R 1382	350 8 55 mm	≤ 2000 rpm	0001295900
R 1385	550 10 140 mm	≤ 800 rpm	0000477700
R 1388	800 10 140 mm	≤ 400 rpm	0000477800
R 1389*	350 8 75 mm	≤ 800 rpm	0002343600
TURBINE STIRRERS			
R 1311	350 8 30 mm	≤ 2000 rpm	0002332900
R 1312	350 8 50 mm	≤ 2000 rpm	0002333000
R 1313	400 10 70 mm	≤ 800 rpm	0002333100
CENTRIFUGAL STIRRERS			
R 1352	350 8 60/15 mm	≤ 2000 rpm	0000756900
R 1355	550 8 100/24 mm	≤ 800 rpm	0001132700
DISSOLVER STIRRERS			
R 1300	350 8 80 mm	≤ 2000 rpm	0000513500
R 1302	350 10 100 mm	≤ 1000 rpm	0002387900
R 1303	350 8 40 mm	≤ 2000 rpm	0002746700
PADDLE STIRRERS			
R 1375	550 8 70 mm	≤ 800 rpm	0000757700
R 1376	550 10 150 mm	≤ 800 rpm	0000757800
R 2311	800 13 150 mm	≤ 600 rpm	0000739500
ANCHOR STIRRERS			
R 1330	350 8 45 mm	≤ 1000 rpm	0002022300
R 1331	350 8 90 mm	≤ 1000 rpm	0002022400
R 1333	550 10 150 mm	≤ 800 rpm	0002747400
MOEBIUS STIRRERS			
R 3000.1	565 10 100 mm	≤ 800 rpm	0020001192
R 3001.1	575 10 100 mm	≤ 800 rpm	0020001195
SPIRAL STIRRERS			
R 3003	350 8 50 mm	≤ 800 rpm	0020001203
R 3003.1	550 10 100 mm	≤ 800 rpm	0020001204
R 3003.2	800 10 150 mm	≤ 800 rpm	0020001205
BLADE STIRRERS			
R 3004	359 8 30 mm	≤ 1000 rpm	0020001206
R 3004.1	565 10 50 mm	≤ 1000 rpm	0020001207
R 3004.2	819 10 70 mm	≤ 1000 rpm	0020001208
PADDLE STIRRERS SCREW-TYPE STIRRERS			
R 1001	160 4 34 mm	2000 rpm	0000527400
R 1002	140 4 12 mm	2000 rpm	0000527500

* (PTFE-coated)

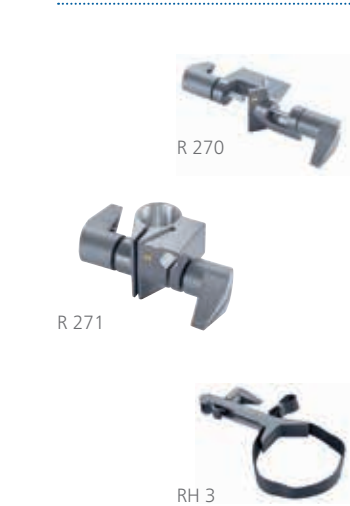
NANO-STAR 7.5 digital	MICRO-STARS digital control	MINI-STARS digital control	EUROSTAR 20 40 digital	EUROSTAR 60 digital control	EUROSTAR 100 digital control	EUROSTAR 200 digital control	EUROSTAR 400 digital control	EUROSTAR 100 & 200 P4 control	RW 20 digital	RW 28 digital	RW 47 digital
++	++	++	++	++	++	++	++	++	++	++	-
-	-	-	-	++	++	++	++	++	-	++	++
-	-	-	-	-	-	-	++	-	-	-	++
++	++	++	++	++	++	++	++	++	++	++	-
++	++	++	++	++	++	++	++	++	++	++	-
-	-	-	-	-	-	++	++	++	-	++	++
-	-	-	-	-	-	++	++	-	-	++	++
++	++	++	++	++	++	++	++	++	++	++	-
++	++	++	++	++	++	++	++	++	++	++	-
-	-	-	-	++	++	++	++	++	-	++	-
-	-	-	-	++	++	++	++	++	-	++	-
++	++	++	++	++	++	++	++	++	++	+	-
-	-	-	-	++	++	++	++	++	-	++	++
++	++	++	++	++	++	++	++	++	++	++	-
-	-	-	-	++	++	++	++	++	-	++	++
++	++	++	++	++	++	++	++	++	++	++	++
+	+	+	+	++	++	++	++	++	-	++	-
-	-	-	-	-	-	++	++	++	-	++	++
-	-	-	-	-	-	-	++	-	-	-	++
++	++	++	++	++	++	++	++	++	++	-	-
-	-	-	-	++	++	++	++	++	-	++	-
-	-	-	-	-	-	++	++	++	-	++	++
-	-	-	++	++	++	++	++	++	++	++	++
-	-	-	++	++	++	++	++	++	++	++	++
+	+	+	++	++	++	++	++	++	++	++	++
-	-	-	++	++	++	++	++	++	++	++	++
-	-	-	-	-	+	+	++	-	-	++	++
++	++	++	++	++	++	++	++	++	++	++	++
-	-	-	++	++	++	++	++	++	++	++	++
-	-	-	++	++	++	++	++	-	++	++	++
++	++	++	++	+	+	+	+	+	++	-	-
++	++	++	++	+	+	+	+	+	++	-	-

++ IKA recommended | + Installable | - Not compatible

		NANOSTAR digital	MICRO- STARS digital control	MINISTARS digital control
Product	Ident. No.			
TEMPERATURE SENSORS				
H 67.60 stainless steel	0025006664	–	control	control
H 67.61 stainless steel	0025007920	–	control	control
H 68.55 stainless steel	0025007921	–	control	control
H 70 extension cable	0002735600	–	control	control
SENSORS IN COMBINATION WITH H 70				
H 62.51 stainless steel	0002735451	–	control	control
H 66.51 glass-coated	0002735551	–	control	control
H 66.53 coated	0004499900	–	control	control
STANDS				
Plate stands				
IKA [scale]	0025004318	++	++	++
R 1825	0003160000	++	++	++
R 1826	0003160100	++	++	++
R 1827	0003160200	++	++	++
H-stand				
R 2722	0001412000	–	++	++
Telescopic stands				
R 2723	0001412100	–	++	++
R 474	0001643000	–	–	–
Floor stands				
R 472	0000738700	–	–	–
R 2850	0020002900	–	–	–
R 6547 H	0020018378	–	–	–
R 6547 E 400V	0020018384	–	–	–



IKA [scale]



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	–	–	–
++	+	–	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	+	+	–	–	–	–	++	–	–
++	++	++	++	++	++	++	++	++	–
++	++	++	++	++	++	++	++	++	–
–	–	–	–	–	–	–	–	–	++
–	–	++	++	++	++	–	–	++	–
–	–	–	–	–	–	–	–	–	++
–	–	–	–	–	–	–	–	–	++

++ IKA recommended | + Installable | – Not compatible



R 1825

IKA [scale]

R 2723

R 6547 H



R 1401



R 1402



R 301



R 60



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

LABORATORY SOFTWARE

labworldsoft® 6 Starter

Ident. No. 0020019397

labworldsoft® 6 Advanced

Ident. No. 0020105873

labworldsoft® 6 Pro

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.



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.



▶ Watch
MATRIX video

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

Ident. No. 0020025594



- ① **MATRIX Orbital Δ FP**
Ident. No. 0020025686
- ② **MATRIX Orbital Δ F0.5**
Ident. No. 0020025656
- ③ **MATRIX Orbital Δ F1.5**
Ident. No. 0020025666
- ④ **MATRIX Orbital Δ F2.0**
Ident. No. 0020025676



Mixing & heating



TECHNICAL DATA	MATRIX ORBITAL	MATRIX ORBITAL Δ FP F0.5 F1.5 F2.0
Type of movement	Orbital	Orbital
Speed range	300 – 3000 rpm	FP F0.5: 300 – 2000 rpm F1.5 F2.0: 300 – 1500 rpm
Shaking stroke	3 mm	3 mm
Heating range	–	RT + 4 °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 x H x D)	198 x 124 x 318 mm	FP: 216 x 147 x 351 mm F0.5: 216 x 149 x 351 mm F1.5 / 2.0: 216 x 158 x 351 mm
Protection class according to DIN EN 60529	IP 21	IP 21

MATRIX Δ+
Ident. No. 0020100537

Heating & cooling



MATRIX Orbital Δ+
Ident. No. 0020100525

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.
ACCESSORIES THERMOSHAKERS		
(A) MX cover	Cover	0030001253
(B) MX thermocover	Cover, heatable	0030001244
(C) MX 50.0 ml	Attachment for vials, 4 × 50 ml vials	0030000863
(D) MX 15.0 ml	Attachment for vials, 8 × 15 ml vials	0030000821
(E) MX 5.0 ml	Attachment for vials, 8 × 5 ml vials	0030000859
(F) MX 2.0 ml	Attachment for vials, 24 × 2.0 ml vials	0030000834
(G) MX 1.5 ml	Attachment for vials, 24 × 1.5 ml vials	0030000829
(H) MX 12.0 mm	Attachment for vials, 24 × 12 mm vials	0030000844
(I) MX cryo	Attachment for vials, 24 × cryo vials	0030000848
(J) MX 0.5 ml	Attachment for vials, 24 × 0.5 ml vials	0030000840
(K) MX PCR96	Attachment for 96 PCR plates	0030000853
(L) MX PCR384	Attachment for 384 PCR plates	0030000857
(M) MX carrier	Attachment for microtiter plates	0030000849
(3) MX insert 1.5/2.0 ml	Insert for 1.5 / 2.0 ml vials	0030001158
(2) MX insert 0.5 ml	Insert for 0.5 ml vials	0030001157
(1) MX insert PCR96	Insert for 0.2 ml PCR vials	0030001159



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
Ident. No. 0003940000

② KS 3000 ic control
Ident. No. 0003940100



KS 3000 ic with built-in cooling coil

① KS 4000 i control
Ident. No. 0003510000

② KS 4000 ic control
Ident. No. 0003510100

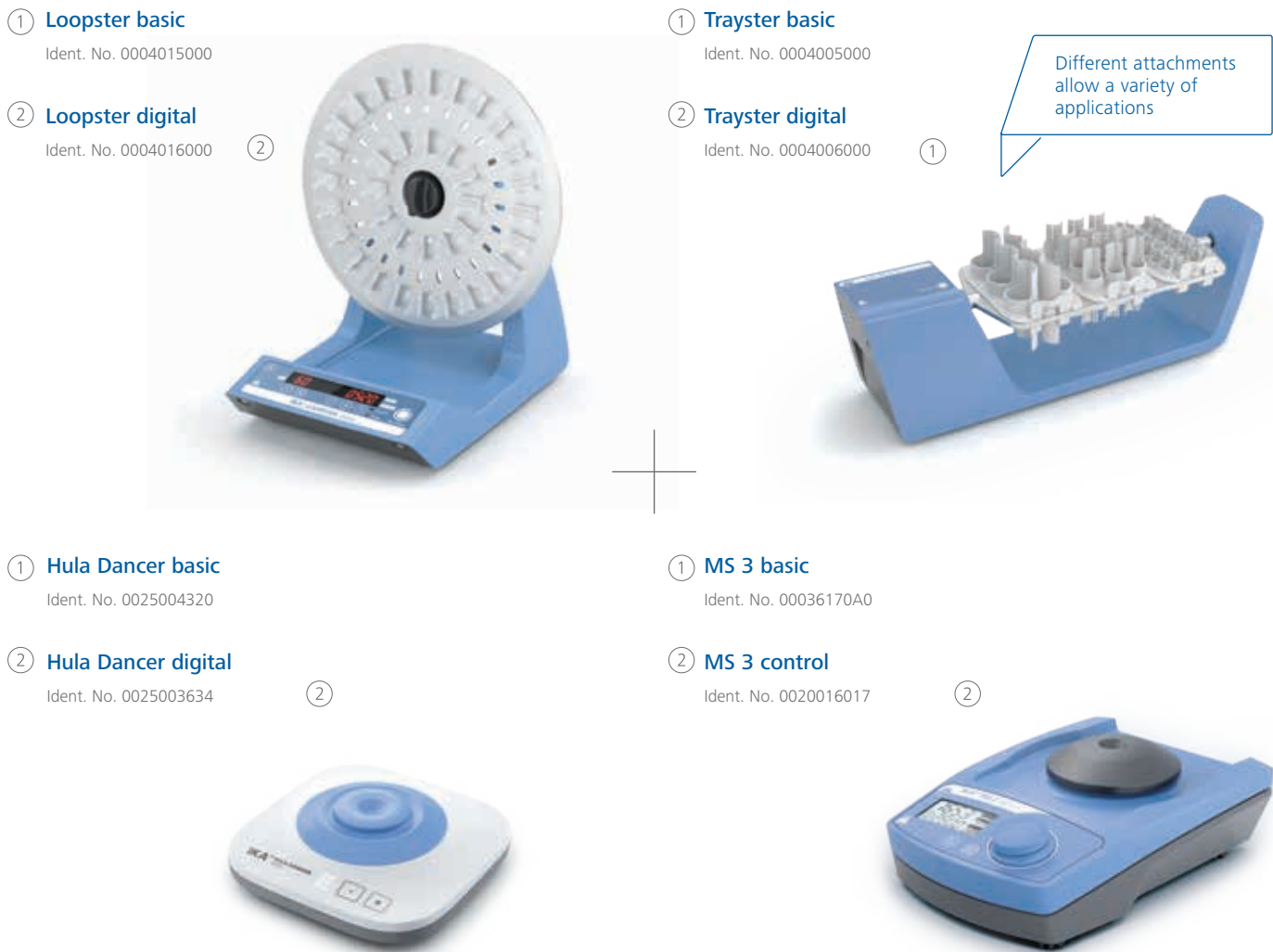


Allows unattended operation

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



TECHNICAL DATA	ROCKER 2D BASIC DIGITAL	ROCKER 3D BASIC DIGITAL	ROLLER 6 BASIC DIGITAL	ROLLER 10 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 Timer and continuous operation	Continuous operation Timer and continuous operation	Continuous operation Timer and continuous operation	Continuous operation Timer and continuous operation
Dimensions (W × H × D)	280 × 150 × 330 mm	280 × 165 × 330 mm 280 × 185 × 330 mm	240 × 115 × 545 mm	380 × 115 × 545 mm
Protection class according to DIN EN 60529	IP 21	IP 21	IP 21	IP 21



TECHNICAL DATA	LOOPSTER BASIC DIGITAL	TRAYSTER BASIC DIGITAL	HULA DANCER BASIC DIGITAL	MS 3 BASIC CONTROL
Type of movement	Rotating	Overhead	Orbital	Orbital
Permissible shaking weight (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 1200 – 2800 rpm	200 – 3000 rpm 100 – 3000 rpm
Timer display	– 7 Segment LED	– 7 Segment LED	– –	– LCD
Operating mode	Continuous operation Timer and continuous operation	Continuous operation Timer and continuous operation	–	Continuous operation Timer and 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 DIN EN 60529	IP 21	IP 21	IP 42	IP 21

VORTEX 2

Ident. No. 0025000258



VORTEX 3

Ident. No. 0020011931



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

Ident. No. 0020026612



MTS 2/4 digital

Ident. No. 00032080A0

For shaking two or four microtiter plates



VXR basic Vibrax®

Ident. No. 00028190A0



lab dancer

Ident. No. 00033650A0



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**
Ident. No. 00029800A0

② **KS 130 control**
Ident. No. 00029801A0

③ **KS 130 control NOL**
Ident. No. 0020011932



① **KS 260 basic**
Ident. No. 00029802A0

② **KS 260 control**
Ident. No. 00029803A0

③ **KS 260 control NOL**
Ident. No. 0020011933



TECHNICAL DATA	KS 130 BASIC CONTROL	KS 260 BASIC CONTROL
Type of movement	Orbital	Orbital
Shaker diameter	4 mm	10 mm
Permissible shaking weight (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**
Ident. No. 00030666A0

② **HS 260 control**
Ident. No. 00030667A0

③ **HS 260 control NOL**
Ident. No. 0020011934



① **HS 501 digital**
Ident. No. 0025002982

② **KS 501 digital**
Ident. No. 0025002985



TECHNICAL DATA	HS 260 BASIC CONTROL	HS 501 DIGITAL KS 501 DIGITAL
Type of movement	Reciprocating	Reciprocating Orbital
Shaker diameter	20 mm	30 mm
Permissible shaking weight (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

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

ACCESSORIES LOOPSTER		
DS 1	Tube attachment, 48 × 1.5 ml, Ø 10 mm	0004524000
DS 2	Tube attachment, 24 × 5 ml, Ø 12 mm	0004524100
DS 3	Tube attachment, 20 × 15 ml, Ø 16 mm	0004524200
DS 4	Tube attachment, 2 × 30 ml, Ø 25 mm	0004524300
DS 5	Tube attachment, 12 × 50 ml, Ø 28 mm	0004524400
DS 6	Universal disc	0004524500
DS 6.1	Spare clips, Ø 10 mm, 12 pcs.	0004524600
DS 6.2	Spare clips, Ø 12 mm, 12 pcs.	0004524700
DS 6.3	Spare clips, Ø 16 mm, 12 pcs.	0004524800
DS 6.4	Spare clips, Ø 25 mm, 12 pcs.	0004524900
DS 6.5	Spare clips, Ø 28 mm, 12 pcs.	0004525000

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



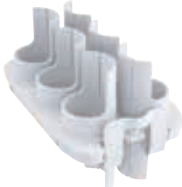
TR 1



TR 2



TR 3



TR 4



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

ACCESSORIES VORTEX 2 VORTEX 3		
VG 3.1	Standard attachment	0003341200
VG 3.2	One-hand attachment	0003342300
VG 3.21	Rubber mat	0020008398
VG 3.3	Universal attachment, 150 mm	0003342400
VG 3.30	Attachment for PCR-tubes, 0.2 ml	0025005779
VG 3.31	Test tube attachment for 54 Eppendorf tubes	0003344300
VG 3.32	Test tube attachment, 18 × Ø 10 mm	0003343900
VG 3.33	Test tube attachment, 12 × Ø 12 mm	0003344000
VG 3.34	Test tube attachment, 8 × Ø 16 mm	0003344100
VG 3.35	Test tube attachment, 8 × Ø 20 mm	0003344200
VG 3.36	Erlenmeyer flask attachment, 100 – 250 ml	0003342100
VG 3.37	Microtiter plate attachment	0003344400





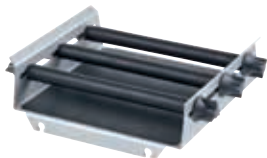
VX 2E.n



VX 2



VX 11.1



AS 130.1



AS 260.3



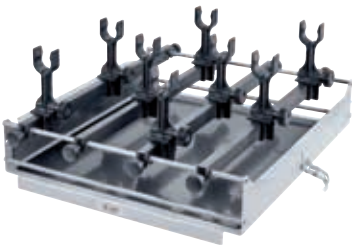
AS 1.10



AS 501.2



AS 501.3



AS 501.6

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

ACCESSORIES KS 130 BASIC | CONTROL

AS 130.1	Universal attachment	0008017300
AS 130.2	Fixing clip attachment	0003115000
AS 130.3	Dish attachment	0003120000
AS 130.4	Test tube attachment	0003120300

ACCESSORIES KS | HS 260 BASIC | CONTROL AND KS 3000

AS 260.1	Universal attachment	0008017400
AS 260.2	Fixing clip attachment	0003115500
AS 260.3	Dish attachment	0003120600
AS 260.5	Separating funnel attachment	0003120900

ACCESSORIES KS | HS 501 DIGITAL

AS 501.1	Universal attachment	0008000200
AS 501.2	Separating funnel attachment	0008000300
AS 501.3	Separating funnel attachment	0008000400
AS 501.4	Fixing clip attachment	0002341100
AS 501.5	Dish attachment	0002339600
AS 501.6	Separating funnel attachment	0008000500



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

Product	Description	Ident. No.
ACCESSORIES KS 4000 I IC CONTROL		
AS 4000.1	Universal attachment	0008022200
AS 4000.2	Fixing clip attachment	0003710100
AS 4000.3	Dish attachment	0003710000
AS 1.400	Basic holder for AS 4000.1	0003710200
AS 1.401	Clamping roll for AS 4000.1	0003712000
AS 1.402	Fastening screw for AS 4000.1	0003712300

ACCESSORIES

AS 1.30	Basic holder for AS 130.1	0003148000
AS 1.60	Basic holder for AS 260.1	0003149000
AS 1.10	Basic holder for AS 501.1	0002339700
AS 1.31	Clamping roll for AS 130.1	0003030500
AS 1.61	Clamping roll for AS 260.1	0003030501
AS 1.11	Clamping roll for AS 501.1	0002339800
AS 1.6	Clamping device for AS 501.1	0001268400
AS 1.7	Clamping device for AS 501.1	0001269200
AS 1.12	Supporting bar for AS 1.10	0002594500
AS 1.13	Ground section holder for AS 1.10	0002597000
STICKMAX	Universal adhesive mat	0003920000
AS 2.0	Fixing clips, 10 ml	0020016475
AS 2.1	Fixing clips, 25 ml	0001234300
AS 2.2	Fixing clips, 50 ml	0001234400
AS 2.3	Fixing clips, 100 ml	0001234500
AS 2.4	Fixing clips, 200 250 ml	0001234600
AS 2.5	Fixing clips, 500 ml	0001234700
AS 2.6	Fixing clips, 1000 ml	0003819300
AS 2.7	Fixing clips, 2000 ml	0020016476



STICKMAX

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.

T 18 brushless digital
ULTRA-TURRAX®

Ident. No. 0020107460

Brushless DC motor
guarantees dust-free
and quieter operation



T 25 easy clean digital
ULTRA-TURRAX®

Ident. No. 0025006537

T 25 easy clean control
ULTRA-TURRAX®

Ident. No. 0025006540



T 65 digital ULTRA-TURRAX®

Ident. No. 0004234500



UTL 25 digital Inline
ULTRA-TURRAX®

Ident. No. 0010006868



TECHNICAL DATA	T 18 BRUSHLESS DIGITAL	T 25 EASY CLEAN DIGITAL CONTROL	T 65 DIGITAL ULTRA-TURRAX®	UTL 25 DIGITAL ULTRA-TURRAX®
Process type	Batch	Batch	Batch	Inline
Speed range	3000 – 25 000 rpm	3000 – 25 000 rpm	1000 – 9500 rpm	3000 – 25 000 rpm
Volume range (H ₂ 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 x H x D)	89 x 270 x 161 mm	89 x 270 x 161 mm	300 x 420 x 400 mm	450 x 120 x 100 mm
Protection class according to DIN EN 60529	IP 30	IP 30	IP 54	IP 54

T 10 basic ULTRA-TURRAX®

Ident. No. 00037370A0



T 18 digital ULTRA-TURRAX®

Ident. No. 0003720000



T 18 digital ULTRA-TURRAX® Package
T 18 digital ULTRA-TURRAX® Disperser
S 18 N - 19 G Dispersing tool

T 25 digital ULTRA-TURRAX®

Ident. No. 0003725000



T 50 digital ULTRA-TURRAX®

Ident. No. 0003787000



TECHNICAL DATA	T 10 BASIC ULTRA-TURRAX®	T 18 DIGITAL ULTRA-TURRAX®	T 25 DIGITAL ULTRA-TURRAX®	T 50 DIGITAL 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 ₂ 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 DIN EN 60529	IP 30	IP 20	IP 20	IP 20



NOMENCLATURE DISPERSING ELEMENTS

Shaft	Sealing and bearing	Generator or element	Outer diameter of stator	Saw-tooth
S 50	KG - HH	- G	45	G - ST
				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.



S 10 N - 10 G - ST



S 10 D - 7 G - KS - 65



S 18 N - 10 G



S 18 N - 19 G



S 18/25 - ET50

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



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.
DISPERSING ELEMENTS FOR T 25 DIGITAL		
S 25 N - 8 G - ST	Dispersing element, saw-tooth, Ø 8 mm	0004446900
S 25 N - 10 G - ST	Dispersing element, saw-tooth, Ø 10 mm	0004447100
S 25 N - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0004447300
S 25 N - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0004447500
S 25 N - 8 G	Dispersing element, Ø 8 mm	0001024200
S 25 N - 10 G	Dispersing element, Ø 10 mm	0000594000
S 25 N - 18 G	Dispersing element, Ø 18 mm	0000593400
S 25 KV - 18 G	Dispersing element, Ø 18 mm	0002348000
S 25 N - 25 G	Dispersing element, Ø 25 mm	0001713300
S 25 KV - 25 G	Dispersing element, Ø 25 mm	0002466900
S 25 N - 25 F	Dispersing element, Ø 25 mm	0001713800
S 25 KV - 25 F	Dispersing element, Ø 25 mm	0002404000
S 25 KV - 2802	Dissolver stirrer, high speed	0020008825
S 25 D - 10 G - KS	Plastic dispersing element, Ø 10 mm, 12 pcs.	0003452200
S 25 D - 14 G - KS	Plastic dispersing element, Ø 14 mm, 12 pcs.	0003452100
S 25 KD - 18 G	Dispersing element, Ø 18 mm	0020002971
S 25 KD - 25 G	Dispersing element, Ø 25 mm	0020002972
S 25 KD - 18 G - ST	Dispersing element, saw-tooth, Ø 18 mm	0020002973
S 25 KD - 25 G - ST	Dispersing element, saw-tooth, Ø 25 mm	0020002974
S 25 KD - 25 F	Dispersing element, Ø 25 mm	0020002975
Silentstream	Flow breaker	0003754000
S 18/25-ET50	Disposable tube	0003452500
TS 25-3	Cleaning tool	0020003013
CT.15	Cleaning tube	0020006595



Silentstream



TS 25-3



Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 25 EASY CLEAN DIGITAL AND CONTROL		
S 25 EC - C - 18 G	Dispersing element, Ø 18 mm	0020108996
S 25 EC - C - 25 G	Dispersing element, Ø 25 mm	0020108997
S 25 EC - C - 25 F	Dispersing element, Ø 25 mm	0025007215
S 25 EC - C - 18 G - ST	Dispersing element, Ø 18 mm	0025007399
S 25 EC - C - 25 G - ST	Dispersing element, Ø 25 mm	0025002590
S 25 EC - T - C - 18 G	Dispersing element, Ø 18 mm, temperature sensor	0020108998
S 25 EC - T - C - 25 G	Dispersing element, Ø 25 mm, temperature sensor	0020108999
S 25 EC - T - C - 18 G - ST	Dispersing element, Ø 18 mm, temperature sensor	0025007398
S 25 EC - T - C - 25 G - ST	Dispersing element, Ø 25 mm, temperature sensor	0025002595
S 25 EC - T - C - 25 F	Dispersing element, Ø 25 mm, temperature sensor	0025007199
HS 25 EC - DW	Holder S 25 EC for dish washer	0025007380
WiCo T 25 easy clean control	Wireless remote control	0025006310

DISPERSING ELEMENTS FOR T 50 DIGITAL

S 50 N - G 45 G	Dispersing element, Ø 45 mm	0008003000
S 50 N - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0008039500
S 50 N - G 45 M	Dispersing element, Ø 45 mm	0008003300
S 50 N - G 45 F	Dispersing element, Ø 45 mm	0008003900
S 50 KG - HH - G 45 G	Dispersing element, Ø 45 mm	0008003200
S 50 KG - HH - G 45 G - ST	Dispersing element, Ø 45 mm	0010000648
S 50 KG - HH - G 45 M	Dispersing element, Ø 45 mm	0008003500
S 50 KG - HH - G 45 F	Dispersing element, Ø 45 mm	0008004100
S 50 KD - G 45 G	Dispersing element, Ø 45 mm	0010000629
S 50 KD - G 45 G - ST	Dispersing element, saw-tooth, Ø 45 mm	0010000632
S 50 KD - G 45 M	Dispersing element, Ø 45 mm	0010000630
S 50 KD - G 45 F	Dispersing element, Ø 45 mm	0010000631
R 50	Stirring shaft, high speed	0001689300
R 1405	Propeller, Ø 45 mm	0001289800
R 1402	Dissolver, Ø 42 mm	0001243300
S 50 N - W 65 SK	Dispersing element with cutting head, Ø 65 mm	0008005100
S 50 N - W 80 SMK	Jet mixer head, Ø 80 mm	0008006300



Product	Description	Ident. No.
DISPERSING ELEMENTS FOR T 65 DIGITAL		
S 65 C - G 65 G	Dispersing element, Ø 65 mm	0010001665
S 65 C - G 65 M	Dispersing element, Ø 65 mm	0010001666
S 65 C - G 65 F	Dispersing element, Ø 65 mm	0010001667
S 65 KG - HH - G 65 G	Dispersing element, Ø 65 mm	0010010765
S 65 KG - HH - G 65 M	Dispersing element, Ø 65 mm	0010010767
S 65 KG - HH - G 65 F	Dispersing element, Ø 65 mm	0010010768
S 65 KD - G 65 G	Dispersing element, Ø 65 mm	0010000641
S 65 KD - G 65 M	Dispersing element, Ø 65 mm	0010000642
S 65 KD - G 65 F	Dispersing element, Ø 65 mm	0010000643
D 60	Dissolver, Ø 60 mm	0020008388
D 80	Dissolver, Ø 80 mm	0020008389
INLINE DISPERSER SYSTEM - ACCESSORIES		
DK 25.11	Flow chamber	0002518000
AD 25	Mounting support for DK 25.11	0002562500
S 25 KV - 25 G-IL	Dispersing element	0002563000
S 25 KV - 25 F-IL	Dispersing element	0002830200

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*
Ident. No. 0025007988

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

MultiDrive control
MT Package

Ident. No. 0010007106

- MultiDrive control unit
- TC 1 protective housing
- MT 150.5 Autoclavable disposable, 150 ml (5 pcs.)



MultiDrive basic*

Ident. No. 0025007800

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



MultiDrive control
BT Package

Ident. No. 0010007114

- MultiDrive control unit
- TC 1 protective housing
- BT 250.5 Autoclavable disposable, 250 ml (5 pcs.)



MultiDrive basic
M 20 Successor Package

Ident. No. 0010010973

- MultiDrive basic unit
- MI 250 milling chamber, 250 ml



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

Ident. No. 0025001027



A 11 basic

Ident. No. 0029000A0



M 20

Ident. No. 00016036A0

For dry grinding of hard and brittle substances



MF 10 basic

Ident. No. 00028360A0



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



Product	Description	Ident. No.
ACCESSORIES		
BL 2000	Blender vessel, 2000 ml	0025003961
BL 2000-T	Blender vessel, 2000 ml, temperature measurement	0025003962
MI 250-S	Milling chamber, 250 ml, sealed	0020112097
MI 400-S	Milling chamber, 400 ml, sealed	0020112099
MI 250-T-S	Milling chamber, 250 ml, temperature measurement, sealed	0020112098
MI 400-T-S	Milling chamber, 400 ml, temperature measurement, sealed	0020112100
CS 1	Spare filter fume for cover, 5 pcs.	0020113275
DI 2000-T	Dispersing vessel, 2000 ml, temperature measurement	0025003960
BL 2000.1	Standard blend knife, stainless steel	0020023169
MI 250.1	Standard beater, stainless steel	0020023166
MI 250.2	Star shaped cutter, stainless steel	0020023167
MI 250.3	Beater, tungsten carbide	0020023168
MI 400.1	Standard beater, stainless steel	0020023170
MI 400.2	Star shaped cutter, stainless steel	0020023171
MI 400.3	Beater, tungsten carbide	0020023172
TC 1	Protective housing for MT 150 and BT 250	0020023489
MT 150.5*	Milling tube, autoclavable, 150 ml, 5 pcs. (incl. TS 1)	0020023173
BT 250.5*	Blending tube, autoclavable, 250 ml, 5 pcs. (incl. TS 1)	0020023174
TS 1	Spare seal with reactivation code, 5 pcs.	0020023490

* TC 1 protective housing is mandatory to operate the tube



DI 2000-T



BL 2000-T



MI 250-S



MI 400-TS



TC 1



MT 150.5



BL 2000-T



MI 250.2



MI 400.3

Product	Description	Ident. No.
ACCESSORIES A 10 BASIC		
A 10.1	Stainless steel cutter	0025001680
A 10.2	Star-shaped cutter	0025001162
A 10.3	Hard metal cutter	0025001161
A 10.4	Grinding chamber reduction	0025001664

ACCESSORIES A 11 BASIC		
A 11.1	Spare beater, stainless steel	0002904600
A 11.2	Cutting blade, stainless steel	0002905200
A 11.3	Beater, stainless steel, coated with chromium carbide	0002983000
A 11.4	Grinding chamber, polyamide, 250 ml	0002904100
A 11.5	Spare grinding chamber, Tefcel, 80 ml	0002983100
A 11.6	Double beater, titanium	0003302900
A 11.7	Funnel, PTFE	0003048700



A 11.4



A 11.5



A 11.6



A 11.7

ACCESSORIES M 20		
M 21	Spare cutter, stainless steel	0000328200
M 22	Hard metal cutter, tungsten carbide	0000521800
M 23	Star-shaped cutter, stainless steel	0001443400
M 20.1	Grinding chamber, 250 ml	0008006200

ACCESSORIES MF 10 BASIC		
MF 10.1	Cutting-grinding head	0002870900
MF 10.2	Impact-grinding head	0002871000

SIEVES		
MF 0.25	Sieve, Ø 0.25 mm	0002938900
MF 0.5	Sieve, Ø 0.5 mm	0002939000
MF 1.0	Sieve, Ø 1 mm	0002939200
MF 2.0	Sieve, Ø 2 mm	0002939400
MF 3.0	Sieve, Ø 3 mm	0002939500
MF 4.0	Sieve, Ø 4 mm	0002939600



MF 0.25



MF 1.0



MF 2.0



MF 4.0



A 10.1



A 10.3



A 11.1



A 11.2



A 11.3



M 23



MF 10.2

Discover IKA's new product segment of single-use crushing systems: Innovative solutions for crushing and homogenizing in the laboratory, without the risk of cross-contamination. Our patented Tube Mill control and ULTRA-TURRAX® Tube Drive devices are designed to overcome the challenges of contamination risks and processing small sample volumes.

SINGLE-USE CRUSHING / IVD

/// Maximum efficiency, minimum contamination

TUBE MILL CONTROL
The Tube Mill revolutionizes the field of dry batch milling by introducing the option of using disposable grinding chambers. It has the capability to grind a wide range of soft, fibrous, hard, and brittle samples with exceptional speed and precision, all while eliminating the risk of cross-contamination. IKA's patented universal mill ensures rapid, safe, and consistently reproducible grinding outcomes for your analytical needs.

ULTRA-TURRAX® TUBE DRIVE
The ULTRA-TURRAX® Tube Drive disperser system provides a secure and safeguarded environment for handling infectious sample materials, toxic substances, and high-odor substances. Test procedures can be effortlessly duplicated without any risk of cross-contamination among samples. For the use in human medicine and infection diagnostics, a universally applicable disposable mixing vessel with IVD certification is available.



① **ULTRA-TURRAX® Tube Drive**

Ident. No. 0003646000

② **UTTD basic IVD Solution**

Ident. No. 0010013007



① **UTTD control Pharma Solution**

Ident. No. 0010013297

② **UTTD control Life Science Solution**

Ident. No. 0010013296

③ **UTTD control IVD Solution**

Ident. No. 0010013008



**ULTRA-TURRAX® Tube Drive
P control**

Ident. No. 0025005981



**ULTRA-TURRAX® Tube Drive
P control Workstation**

Ident. No. 0020022030



Further package information on page 164

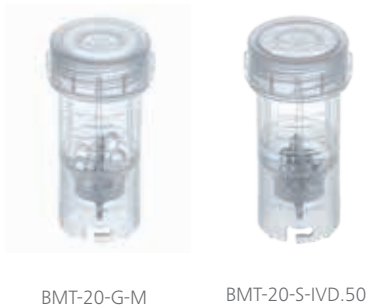
TECHNICAL DATA	ULTRA-TURRAX® TUBE DRIVE / BASIC	ULTRA-TURRAX® TUBE DRIVE P CONTROL / CONTROL
Process type	Batch	Batch
Speed range	300 – 6000 rpm	400 – 8000 rpm
Timer	–	OLED
Noise without element	50 dB(A)	50 dB(A)
Reversible direction of rotation	–	Yes
Viscosity max.	5000 mPas	5000 mPas
Dimensions (W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



Product	Description	Ident. No.
ST TUBES WITH STIRRING ELEMENT		
ST-20	Tube with stirring element, 20 ml, 25 pcs.	0003703000
ST-20-M-gamma	Tube with stirring element, sterile, 20 ml , 20 pcs., membrane lid	0003700500
ST-50	Tube with stirring element, 50 ml, 10 pcs.	0003699500
ST-50-M-gamma	Tube with stirring element, sterile, 50 ml, 10 pcs., membrane lid	0003701500



DT TUBES WITH ROTOR-STATOR ELEMENT		
DT-20	Tube with rotor-stator element, 20 ml, 25 pcs.	0003703100
DT-20-M-gamma	Tube with rotor-stator element, sterile, 20 ml, 20 pcs., membrane lid	0003700600
DT-20 eco	Tube with rotor-stator element, 20 ml, 25 pcs.	0020003207
DT-50	Tube with rotor-stator element, 50 ml, 10 pcs.	0003699600
DT-50-M-gamma	Tube with rotor-stator element, sterile, 50 ml, 10 pcs., membrane lid	0003701600
DT-50 eco	Tube with rotor-stator element, 50 ml, 10 pcs., membrane lid	0020003213



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
BMT-20-G	Tube with stirring element, glass balls, 20 ml, 25 pcs.	0003703300
BMT-20-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 20 ml, 20 pcs., membrane lid	0003700701
BMT-20-G-M-gamma	Tube with stirring element, sterile, glass balls, 20 ml, 20 pcs., membrane lid	0020017448
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
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
BMT-50-S	Tube with stirring element, stainless steel balls, 50 ml, 10 pcs.	0003699700
BMT-50-G	Tube with stirring element, glass balls, 50 ml, 10 pcs.	0003699800
BMT-50-S-M-gamma	Tube with stirring element, sterile, stainless steel balls, 50 ml, 10 pcs., membrane lid	0003701700



Product	Description	Ident. No.
TUBES WITH DISSOLVER ELEMENT AND MEMBRANE LID		
DIS-50-S-M	Tube with dissolver blade, 50 ml, 10 pcs., stainless steel	0020016316
DIS-50-T-M	Tube with dissolver blade, 50 ml, 10 pcs., titanium	0020016317
DIS-300-S-M.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020016318
DIS-300-S-M.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020017313

TUBES WITH DISSOLVER ELEMENT		
DIS-300-S.10	Tube with dissolver blade, 300 ml, 10 pcs., stainless steel	0020026959
DIS-300-S.50	Tube with dissolver blade, 300 ml, 50 pcs., stainless steel	0020026960

COVERS		
TC-20-M	Cover, pierceable membrane, 25 pcs.	0003749900
TC-50-M	Cover, pierceable membrane, 10 pcs.	0003750000

BALLS FOR BMT TUBE		
Glass balls 6	Glass balls, 250 g	0003599200
Stainless steel balls 5	Stainless steel balls, 250 g	0003599300

FURTHER ACCESSORIES FOR UTTD		
CA.UTTD	Centrifuge adapter for UTTD tubes, 2 pcs.	0020101847

IVD



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

Tube Mill control
Ident. No. 00041800A0



Tube Mill 100 control
Ident. No. 0020014733



Designed for grinding chambers with max. 100 ml

Tube Mill control Agriculture Solution
Ident. No. 0010013298



Tube Mill 100 control Pharma Solution
Ident. No. 0010013309



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

Further package information on page 165

Product	Description	Ident. No.
ACCESSORIES TUBE MILL CONTROL		
MT 40.10	Disposable grinding chamber, 40 ml, 10 pcs.	0004425000
MT 40.100	Disposable grinding chamber, 40 ml, 100 pcs.	0020001173
MTC 40/100.100	Cover for disposable grinding chamber, 100 pcs.	0020001182
MT 40.10 steril	Disposable grinding chamber, sterile, 40 ml, 10 pcs.	0020001984
MT 40 P.10	Disposable grinding chamber, bended beater, 40 ml, 10 pcs.	0020017838
MT 40 P.100	Disposable grinding chamber, bended beater, 40 ml, 100 pcs.	0020011531
MT 100.10	Disposable grinding chamber, 100 ml, 10 pcs.	0020008386
MT 100.10 steril	Disposable grinding chamber, sterile, 100 ml, 10 pcs.	0020012571
MT 100.50	Disposable grinding chamber, 100 ml, 50 pcs.	0020006984
MMT 40.1	Multi-use milling tube, 40 ml	0020003165
MMT 100.1	Multi-use milling tube, 100 ml	0020016315
MTT 40.10	Disposable grinding chamber, titanium beater, 40 ml, 10 pcs.	0020015380
MTT 100.10	Disposable grinding chamber, titanium beater, 100 ml, 10 pcs.	0020019576
A-MMT.100	Abrasion set for MMT 40.1 MMT 100.1, 100 sealing, 5 beaters, 5 couplings	0020003378



MT 40.10 steril



MT 40 P.10 MT 100 MTT 40 MMT 100

Display viscosity changes through sensitive torque measuring sensor: the 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



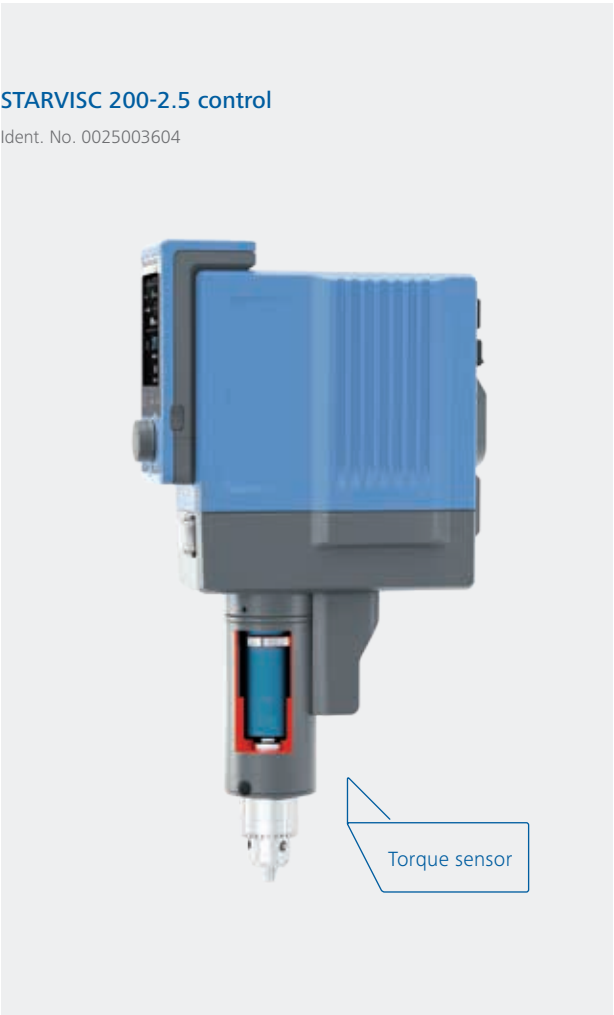
HIGH-PRECISION MEASUREMENT
During the mixing process a highly sensitive torque measuring sensor allows further conclusions on viscosity changes, directly in the product. This eliminates the regular sampling, rather time consuming offline measurement process.

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.

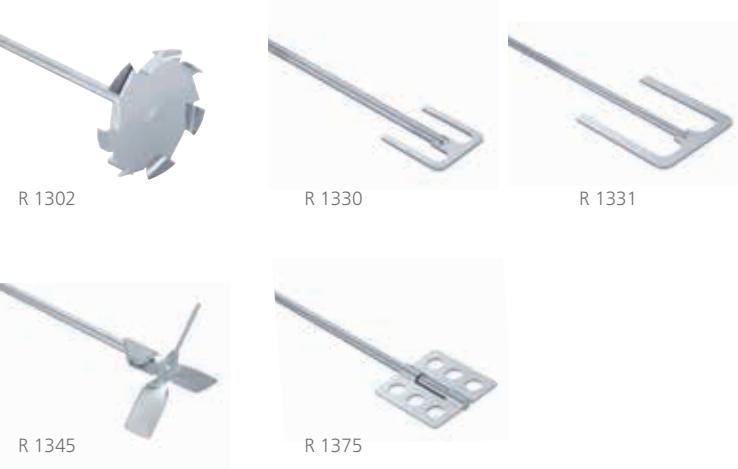
POWERFUL STIRRER
Even highly viscous substances can be intensively stirred using the powerful STARVISC stirrer. Quantities of up to 100 liters can be processed.

STARVISC 200-2.5 control
Ident. No. 0025003604



TECHNICAL DATA	STARVISC 200-2.5 CONTROL
Stirring quantity max. (H ₂ 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 × H × D)	91 × 395 × 231 mm
Protection class according to DIN EN 60529	IP 40

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



“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 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.

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.

SPINDLE HOLDER

The SP-RACK spindle holder for ROTAVISC spindles 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.

1 ROTAVISC lo-vi HELI Complete
Ident. No. 0020100361

2 ROTAVISC me-vi HELI Complete
Ident. No. 0020100362

3 ROTAVISC hi-vi I HELI Complete
Ident. No. 0020100363

4 ROTAVISC hi-vi II HELI Complete
Ident. No. 0020100364



OUR PACKAGES

HELI Complete:
including motorized HELISTAND

TECHNICAL DATA	ROTAVISC HELI COMPLETE
Viscosity accuracy	± 1 % FSR
Viscosity repeatability	0.2 % FSR
Display	TFT
Working temperature	Min.: -100 °C Max.: +300 °C
Speed	0.01 – 200 rpm
Speed setting accuracy	in range 0.01 – 1: 0.01 rpm 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

1 ROTAVISC SBS me-vi HELI Complete
Ident. No. 0010007725

2 ROTAVISC SBS hi-vi I HELI Complete
Ident. No. 0010007697

3 ROTAVISC SBS hi-vi II HELI Complete
Ident. No. 0010007712

With Ball Bearing Technology



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**

Ident. No. 0025000310

② **ROTAVISC me-vi Complete**

Ident. No. 0025000311

③ **ROTAVISC hi-vi I Complete**

Ident. No. 0025000312

④ **ROTAVISC hi-vi II Complete**

Ident. No. 0025000313



OUR PACKAGES

Complete:
including ROTASTAND

TECHNICAL DATA	ROTAVISC
Viscosity accuracy	± 1 % FSR
Viscosity repeatability	0.2 % FSR
Display	TFT
Working temperature	Min.: -100 °C Max.: +300 °C
Speed	0.01 – 200 rpm
Speed setting accuracy	in range 0.01 – 1: 0.01 rpm 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 × H × D)	351 × 629 × 372 mm
Weight	7.1 kg
Protection class according to DIN EN 60529	IP 40

① **ROTAVISC SBS me-vi Complete**

Ident. No. 0010007714

② **ROTAVISC SBS hi-vi I Complete**

Ident. No. 0010007686

③ **ROTAVISC SBS hi-vi II Complete**

Ident. No. 0010007701



MEASURING RANGES	
ROTAVISC lo-vi	
Viscosity measuring range*	1 – 6 000 000 mPas
ROTAVISC me-vi	
Viscosity measuring range	100 – 40 000 000 mPas
ROTAVISC hi-vi I	
Viscosity measuring range	200 – 80 000 000 mPas
ROTAVISC hi-vi II	
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

CBC VISC LITE
Precise and fast temperature control is crucial for analyzing the viscosity-temperature dependency or measuring viscosity at a precisely defined temperature. The new CBC VISC lite covers a wide temperature range from -25 °C to 125 °C and is designed to be combined with the IKA ROTAVISC viscometers.

- › Two 600 ml standard beakers can be controlled inside the bath at once
- › Optimized water flow management in the insulated bath for fast and precise temperature control
- › Compatible with labworldsoft® to realize more advanced automated measurement processes



Available
Q2/2024

ROTAVISC is not included in scope of delivery.



ROTASTAND



SP RACK



HELISTAND

Product	Description	Ident. No.
STANDS		
ROTASTAND	Stand for ROTAVISC	0020006787
HELISTAND	Electrical stand for ROTAVISC	0020100262
HELISTAND Set	Electrical stand incl. T-spindle set	0020100271
SP RACK	Spindle rack	0020104809
SOFTWARE		
labworldsoft® 6 Visc	Laboratory software for ROTAVISC - download	0020101872



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.
ADAPTERS		
DINS-1	DIN adapter set	0025000387
O DIN S-1	Open DIN adapter set	0025000326
SAS-1	Spiral adapter set	0025000377
ELVAS-1	Extremely low viscosity adapter set	0025000390
VOLS-1	Low volume adapter set	0025000352
VOLS-1 flex	Adapter set for small volumes, without spindle and chamber	0020114188
ACCESSORIES VISCOMETERS		
DWB 600	Double-walled beaker 600 ml	0020024575
BH 600	Clamp for 600 ml beaker	0025000400
Hook Connector	Hook connector for spindles	0025000338
Quick Connector	Quick connector for spindles	0025000339
PT 100.8	Temperature sensor, stainless steel, Ø 3 mm, 75 mm	0025000413
SPINDLE SET		
SP set-1	Standard spindle set (SP1 - SP4)	0025000319
SP set-2	Standard spindle set (SP7 - SP12)	0025000329
T-SP-Set	T-spindle set	0025007765
VAN-1	Vane spindle set	0025000407



T-SP-6 – T-SP-1



VOL-SP-7.1 VOL-SP-2.1



VOL-SP-9 VOL-SP-11

Product	Description	Ident. No.
SPINDLES SINGLE		
SP-1	Standard spindle	0025006828
SP-2	Standard spindle	0025006829
SP-3	Standard spindle	0025006830
SP-4	Standard spindle	0025006831
SP-5	Standard spindle	0025006832
SP-6	Standard spindle	0025006833
SP-7	Standard spindle	0025006834
SP-8	Standard spindle	0025006835
SP-9	Standard spindle	0025006836
SP-10	Standard spindle	0025006837
SP-11	Standard spindle	0025006838
SP-12	Standard spindle	0025006839
T-SP-1	T-spindle	0025008238
T-SP-2	T-spindle	0025008239
T-SP-3	T-spindle	0025008240
T-SP-4	T-spindle	0025008241
T-SP-5	T-spindle	0025008242
T-SP-6	T-spindle	0025008243
T-SP-nut	T-spindle nut	0020108874
T-SP-coupling	T-spindle coupling	0020108842
VAN-SP-1	Vane spindle	0025006853
VAN-SP-2	Vane spindle	0025006854
VAN-SP-3	Vane spindle	0025006855
VAN-SP-4	Vane spindle	0025006856
VAN-SP-5	Vane spindle	0025008376
S-SP	Spiralspindel	0025006843
S-C-1	Chamber for S-SP spiral spindle	0020108896
SCB	Spindle brush for S-SP	0020108882
VOL-SP-6.7	Spindle for VOLS-1, 6.7 ml	0025006845
VOL-SP-7.1	Spindle for VOLS-1, 7.1 ml	0025006849
VOL-SP-16.1	Spindle for VOLS-1, 16.1 ml	0025006848
VOL-SP-10.4	Spindle for VOLS-1, 10.4 ml	0025006850
VOL-SP-11	Spindle for VOLS-1, 11 ml	0025006851
VOL-SP-13.5	Spindle for VOLS-1, 13.5 ml	0025006852
VOL-SP-9	Spindle for VOLS-1, 9 ml	0025006846
VOL-SP-9.4	Spindle for VOLS-1, 9.4 ml	0025006847
VOL-SP-2.1	Spindle for 2.1 ml chamber	0025007061



VOL-C-RTD-3.8



VOL-C-RTD-4.2



CAL-O-5



CAL-O-100000

Product	Description	Ident. No.
VOL-SP-2.1-5	Solid shaft spindle	0020118239
VOL-C-RTD-1	VOL-C-RTD-1 chamber	0025007603
VOL-C-RTD-2.1	2.1 ml chamber for VOLS-1	0025007064
VOL-SP-3.8	Spindle for 3.8 ml chamber	0025007062
VOL-C-RTD-3.8	3.8 ml chamber for VOLS-1	0025007065
VOL-SP-4.2	Spindle for 4.2 ml chamber	0025007063
VOL-C-RTD-4.2	4.2 ml chamber for VOLS-1	0025007066
VOLS 1.11	Extension connector	0020107301
VOLS 1.21	Cover for VOLS chamber	0020108881
ELVAS-SP	ELVAS Spindle	0025006844
ELVAS-C	ELVAS sample chamber (open)	0020107138
ELVAS-C-C	Closed chamber for ELVAS-1	0025008373
DIN-SP-5	DIN spindle 5	0025006840
DIN-SP-6	DIN spindle 6	0025006841
DIN-SP-7	DIN spindle 7	0025006842
DIN-C-1	Chamber for DIN-SP-5	0020108883
DIN-C-2	Chamber for DIN-SP-6, DIN-SP-7	0020108885
O-DIN-C-1	Open chamber for DIN-SP-5	0020108887
O-DIN-C-2	Open chamber for DIN-SP-6	0020108888
O-DIN-C-3	Open chamber for DIN-SP-7	0020108889
CC-1	Chamber cap (6 pcs.) for ELVAS / DINS	0020107043

STANDARD SILICONE OILS

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

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

Ident. No. 0020016432



VACSTAR control

Ident. No. 0020109387



TECHNICAL DATA	
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 × H × D)	150 × 375 × 370 mm 270 × 435 × 500 mm
Protection class acc. to DIN EN 60529	IP 20
RS 232 / USB interface	Yes

Product	Ident. No.
ACCESSORIES VACUUM PUMPS	
VSE 1 vacuum safety emission	0035001873
VH.SI.8 vacuum hose, silicone, Ø 8 mm, 1 m	0020013886



VSE 1



VH.SI.8

MVP 10 basic

Ident. No. 0035003560



Product	Ident. No.
ACCESSORIES MVP 10 BASIC	
VCV 1 vacuum control valve manual	0020004850
VCV 2 vacuum control valve digital	0020004893
VSS 1 vacuum safety set	0020005194
VH.SI.8 vacuum hose, silicone, Ø 8 mm, 1 m	0020013886
Y hose connector 8 mm	0020010963



VSS 1



VCV 1

Product	Ident. No.
ACCESSORIES VACUUM CONTROLLER	
VC 10.300 check valve	0020011105
VC 10.400 table holder	0035001735
VC 10.500 Stand pole	0035002702



VC 10.300



VC 10.400

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 × H × D)	245 × 155 × 320 mm
Protection class acc. to DIN EN 60529	IP 54
Voltage	230 / 115 / 100 V



- ① VC 10 lite
Ident. No. 0020111998
- ② VC 10 pro
Ident. No. 0020112031



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 × 150 × 110 mm
Protection class acc. to DIN EN 60529		IP 20
RS 232 / USB interface		Yes

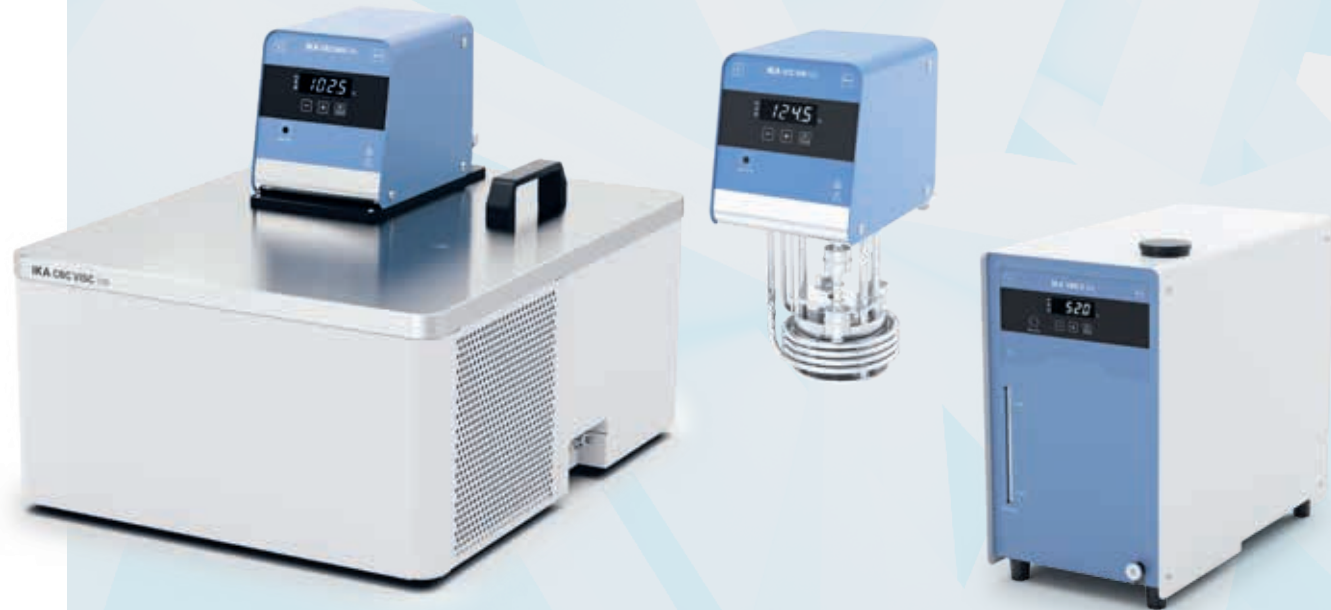
According to DIN 12876, our wide range of chillers, heating bath circulators and immersion circulators are suitable for a temperature range from -30 to 250 °C. All temperature control devices meet the highest requirements for precision, safety, performance and intelligence. With the new circulators in the “lite” series, we are even better able to meet our customers’ requirements.

STRAIGHT TO THE POINT
/// Temperature control series “lite”

FOCUS ON THE ESSENTIAL
Sometimes you need a laboratory device only for a very specific application. For example, as a peripheral device or an entry-level device. Laboratory devices within the lite series are exactly that: devices that offer you the essential basic functions. They have everything you need. And deliberately nothing more.

POWERFUL AND HIGH-QUALITY
Lite devices are powerful and of high quality, with a focus on essential basic functions, excellent performance and efficient operation. They are also made for the future in the laboratory: RC 2 lite, HRC 2 lite and CBC VISC lite work with the natural refrigerant R 290.

Available
Q2/2024



ICC 100 lite
Ident. No. 0020105656

ICC 150 lite
Ident. No. 0020105590

① ICC basic
Ident. No. 0004134400

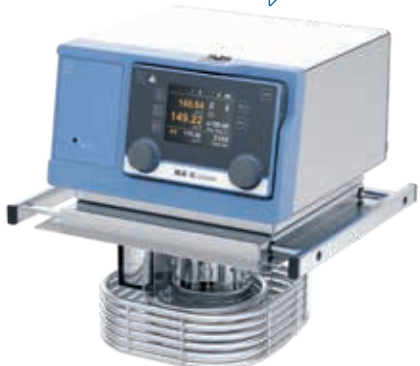
② ICC control
Ident. No. 0004136600



IC basic
EUR 2.839,00
Ident. No. 0003861000

IC control
EUR 3.866,00
Ident. No. 0003863000

CC 1 cooling coil
included in delivery



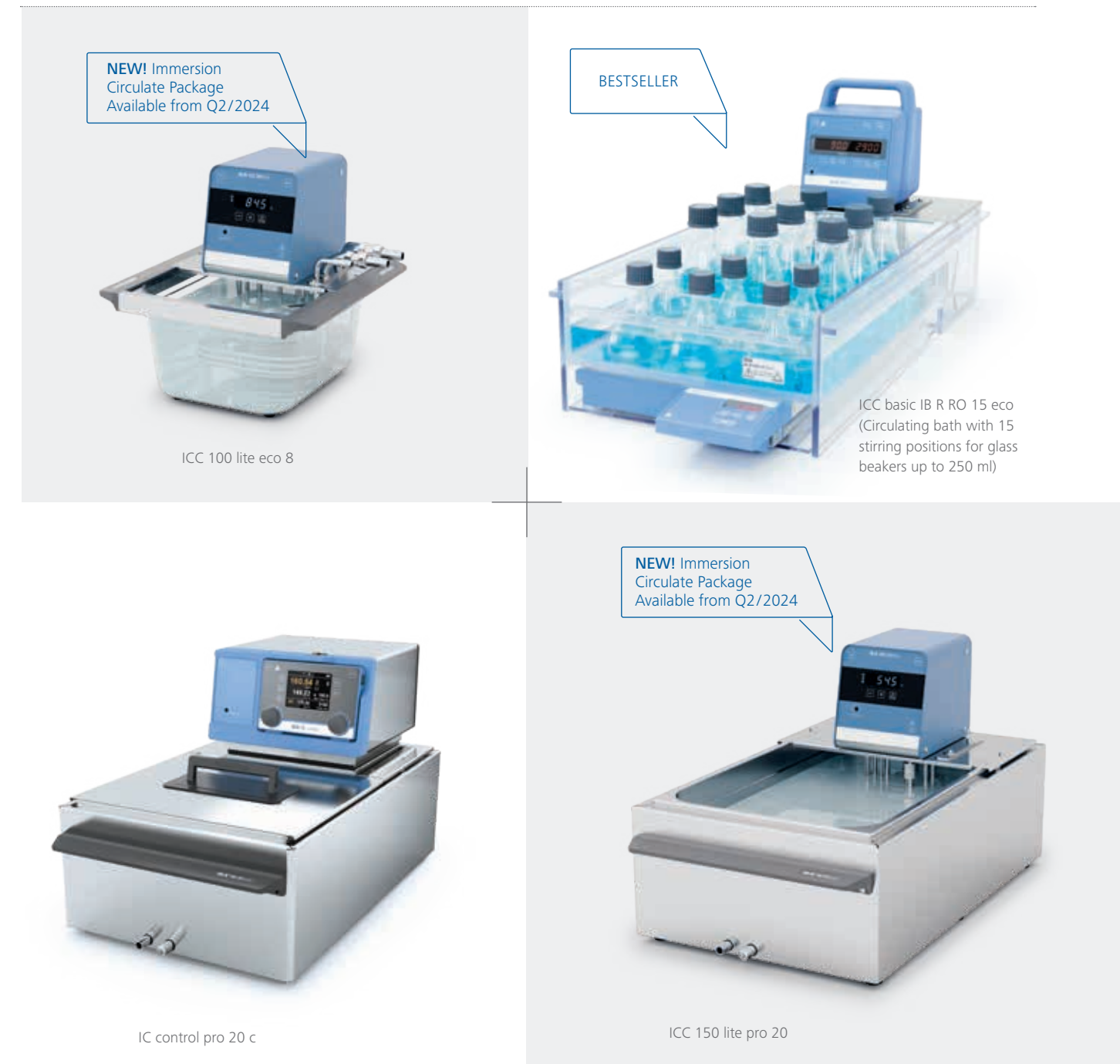
TECHNICAL DATA	ICC 100 lite	ICC 150 lite	ICC BASIC / CONTROL	IC BASIC / CONTROL
Appliance type	Compact immersion circulator	Compact immersion circulator	Compact immersion circulator	Immersion circulator
Heat output (230 / 115 V)	2000 / –	2000 / –	2000 / 1000 W	2500 / 1250 W
Temperature range	RT +10 °C* – 100 °C	RT +10 °C* – 150 °C	RT +10 °C** – 150 °C	RT +10 °C – 250 °C***
Display	LED	LED	LED / TFT	LED / TFT (wireless)
Temperature stability DIN 12876	± 0.05 K	± 0.05 K	± 0.02 K / ± 0.01 K	± 0.02 K / ± 0.01 K
Max. flow rate	–	18 l/min	18 l/min	31 l/min
Max. pump pressure	–	0.3 bar	0.3 bar	0.61 bar
Min. suction pressure	–	0.1 bar	0.2 bar	0.45 bar
Dimensions (W × H × D)	135 × 180 × 303 mm	135 × 180 × 303 mm	145 × 340 × 200 mm	285 × 313 × 291 mm

* Possible operating temperatures with cooling coil: -25 °C to 100/150 °C
** Possible operating temperatures with cooling coil: -20 °C to 150 °C
*** Possible operating temperatures with cooling coil: -20 °C to 250 °C

Product	Description	Bath size	Bath opening (W x D)*	Ident. No.
HEATING BATH CIRCULATORS				
ICC 100 lite eco 8	Package with 8 l eco bath	S	188 x 105 mm	0010013185
ICC 100 lite eco 18	Package with 18 l eco bath	L	245 x 305 mm	0010013197
ICC 150 lite pro 9	Package with 9 l pro bath	S	195 x 100 mm	0010013208
ICC 150 lite pro 12	Package with 12 l pro bath	M	255 x 127 mm	0010013219
ICC 150 lite pro 20	Package with 20 l pro bath	L	255 x 309 mm	0010013231
ICC basic eco 8	Package ICC basic, 8 l eco bath	S	188 x 105 mm	0008034900
ICC basic pro 9	Package ICC basic, 9 l pro bath	S	195 x 100 mm	0008035100
ICC basic pro 12	Package ICC basic, 12 l pro bath	M	255 x 127 mm	0010000414
ICC basic eco 18	Package ICC basic, 18 l eco bath	L	245 x 305 mm	0008035000
ICC basic pro 20	Package ICC basic, 20 l pro bath	L	255 x 309 mm	0008035200
ICC control eco 8	Package ICC control, 8 l eco bath	S	188 x 105 mm	0008035300
ICC control pro 9	Package ICC control, 9 l pro bath	S	195 x 100 mm	0008035500
ICC control pro 12	Package ICC control, 12 l pro bath	M	255 x 127 mm	0010000415
ICC control eco 18	Package ICC control, 18 l eco bath	L	245 x 305 mm	0008035400
ICC control pro 20	Package ICC control, 20 l pro bath	L	255 x 309 mm	0008035600
COMBINED HEATING BATH CIRCULATORS				
ICC 150 lite pro 9 c	Package with 9 l pro bath, cover	S	195 x 100 mm	0010013242
ICC 150 lite pro 12 c	Package with 12 l pro bath, cover	M	255 x 127 mm	0010013253
ICC basic eco 8 c	Package ICC basic, 8 l eco bath, cover	S	188 x 105 mm	0008035700
ICC basic pro 9 c	Package ICC basic, 9 l pro bath, cover	S	195 x 100 mm	0008035900
ICC basic pro 12 c	Package ICC basic, 12 l pro bath, cover	M	255 x 127 mm	0010000416
ICC basic eco 18 c	Package ICC basic, 18 l eco bath, cover	L	245 x 305 mm	0008035800
ICC basic pro 20 c	Package ICC basic, 20 l pro bath, cover	L	255 x 309 mm	0008036000
ICC control eco 8 c	Package ICC control, 8 l eco bath, cover	S	188 x 105 mm	0008036100
ICC control pro 9 c	Package ICC control, 9 l pro bath, cover	S	195 x 100 mm	0008036300
ICC control eco 18 c	Package ICC control, 18 l eco bath, cover	L	245 x 305 mm	0008036200
ICC control pro 12 c	Package ICC control, 12 l pro bath, cover	M	255 x 127 mm	0010000417
ICC control pro 20 c	Package ICC control, 20 l pro bath, cover	L	255 x 309 mm	0008036400
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	0010002471
ICC control IB R RO 15 eco	Package ICC control with magnetic stirrer RO 15 and bath	L	317 x 492 mm	0010002474
ICC basic IB R RO 15 pro	Package ICC basic with magnetic stirrer RO 15 and bath	L	317 x 492 mm	0010006740
ICC control IB R RO 15 pro	Package ICC control with magnetic stirrer RO 15 and bath	L	317 x 492 mm	0010006736

eco: plastic bath | pro: stainless steel bath

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



Product	Description	Bath size	Bath opening (W x D)*	Ident. No.
COMBINED HEATING BATH CIRCULATORS				
IC basic pro 12 c	Package IC basic, 12 l pro bath, cover	M	255 x 80 mm	0008039900
IC basic pro 20 c	Package IC basic, 20 l pro bath, cover	L	255 x 262 mm	0008036800
IC control pro 12 c	Package IC control, 20 l pro bath, cover	M	255 x 80 mm	0008040000
IC control pro 20 c	Package IC control, 12 l pro bath, cover	L	255 x 262 mm	0008037200

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

/// HEATING BATH CIRCULATORS

- ① **HBC 5 basic**
Ident. No. 00041250A0
- ② **HBC 5 control**
Ident. No. 00041270A0
- ③ **HBC 10 basic**
Ident. No. 00041350A0
- ④ **HBC 10 control**
Ident. No. 00041370A0



/// REFRIGERATED AND HEATING BATH CIRCULATORS

- ① **CBC 5 basic**
Ident. No. 0020015225
- ② **CBC 5 control**
Ident. No. 0020015224



/// REFRIGERATED AND HEATING CIRCULATORS

- ① **HRC 2 basic**
Ident. No. 0025008082
- ② **HRC 2 control**
Ident. No. 0025008083



/// REFRIGERATED AND HEATING CIRCULATOR

- HRC 2 lite**
Ident. No. 0020104320



TECHNICAL DATA	HBC 5 BASIC CONTROL 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 -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 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 × H × D)	275 × 406 × 500 mm 275 × 456 × 500 mm	275 × 690 × 490 mm	220 × 475 × 525 mm	225 × 385 × 430 mm

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

/// RECIRCULATING CHILLER

- RC 2 lite**
Ident. No. 0020104305



- ① **RC 2 basic**
Ident. No. 0020015693
- ② **RC 2 control**
Ident. No. 0020015694



- ① **RC 2 GREEN basic**
Ident. No. 0025007421
- ② **RC 2 GREEN control**
Ident. No. 0025007422



- ① **RC 5 basic**
Ident. No. 0020019125
- ② **RC 5 control**
Ident. No. 0020019126



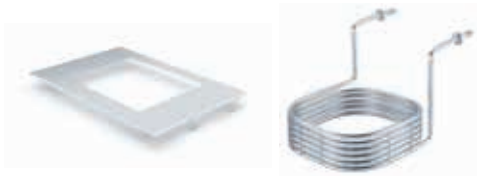
TECHNICAL DATA	RC 2 LITE	RC 2 BASIC CONTROL	RC 2 GREEN BASIC CONTROL	RC 5 BASIC CONTROL
Appliance type	Recirculating chiller	Recirculating chiller	Recirculating chiller	Recirculating chiller
Cooling fluid	R290	R134a	R290	R290
Cooling capacity at 20 °C	400 W	400 W	800 W	1400 W
Temperature range	-10 °C – 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 × H × D)	225 × 385 × 430 mm	220 × 475 × 525 mm	220 × 475 × 525 mm	310 × 546 × 490 mm



CS.ICC CL.ICC



BS.ICC PCS.ICC



BS.IC CC1



IB R 9 eco IB 18 eco



IB 9 pro IB 20 pro

Product	Description	Ident. No.
ACCESSORIES FOR ICC		
CS.ICC	Cover, small for ICC, 8 / 9 l bath vessels	0004471500
CM.ICC	Cover, medium for ICC, 12 l bath vessels	0025000290
CL.ICC	Cover, big for ICC, 18 / 20 l bath vessels	0004471600
CLG.ICC	Gable lid for ICC, bath size L	0020023680
CLR.ICC	Cover with 6 ring openings for ICC, 18/20 l bath vessels	0025006276
BS.ICC	Bridge, small for ICC, 8 / 9 l bath vessels	0020003077
BL.ICC	Bridge, big for ICC, 18 / 20 l bath vessels	0020003078
BS.ICC lite	Bridge, small for ICC lite, 8/9 l bath vessels	0020119539
BL.ICC lite	Bridge, big for ICC lite, 8/9 l bath vessels	0020119540
CC2	Cooling coil for ICC	0025001061
PCS.ICC	Pump connection set for ICC	0004471900

ACCESSORIES FOR IC		
CM.IC	Cover, medium for IC, 12 l bath vessels	0004577600
CL.IC	Cover, big for IC, 18 / 20 l bath vessels	0004471800
BS.IC	Bridge, small for IC, 12 / 18 / 20 l bath vessels	0004472800
CC1	Cooling coil for IC basic / control	0020005116

BATH VESSELS		
Bath size S		
IB 8 eco	Bath vessel, plastic, 8 l	0004248100
IB R 9 eco	Bath vessel, plastic, 9 l, rectangular	0020004382
IB 9 pro	Bath vessel, stainless steel, 9 l	0004248500
Bath size M		
IB 12 pro	Bath vessel, stainless steel, 12 l	0004577500
Bath size L		
IB 18 eco	Bath vessel, plastic, 18 l	0004248200
IB HF 24 eco	Bath vessel, plastic, 24 l	0020006884
IB R 20 eco	Bath vessel, 20 l, plastic, rectangular	0020004383
IB R 52 eco	Bath vessel, 52 l, plastic, rectangular	0020007044
IB R RO 15 eco	Bath vessel for magn. stirrer RO 15	0020006341
IB R RO 15 pro	Bath vessel for magn. stirrer RO 15	0025007761
IB 20 pro	Bath vessel, stainless steel, 20 l	0004248600



HF.Si.20.200.50



LT 5.32



H.SI.8



H.FKM.12.ISO



ISO.8



ISO.12

Product	Description	Ident. No.
THERMOFLUIDS		
HF.Si.20.250.50A	Heating fluid Si250A; 10 kg	0020003521
HF.Si.20.200.50	Heating fluid Si200; 10 kg	0020003520
UF.Si.N30.150.10LV	Universal fluid Si150 LV; 9 kg	0020003518

HOSES		
LT 5.32	Temperature control hose, 1.6 m	0020113271
H.PVC.8	Hose, PVC, Ø 8 mm, 2 × 1.5 m	0004568800
H.PVC.12	Hose, PVC, Ø 12 mm, 2 × 1.5 m	0004568900
H.SI.6	Hose, silicone, Ø 6 mm, 3 m	0020102324
H.SI.8	Hose, silicone, Ø 8 mm, 2 × 1.5 m	0004569000
H.SI.12	Hose, silicone, Ø 12 mm, 2 × 1.5 m	0004569100
H.PUR.8.R	Tube PUR 90 °C, Ø 8, 2 × 1.5 m, reinforced	0020004612
H.PUR.12	Tube PUR 90 °C, Ø 12, 2 × 1.5 m	0020004613
H.FKM.8	Tube FKM, Ø 8 mm, -30 – 180 °C, 2 × 1.5 m	0004569200
H.FKM.12	Tube FKM, Ø 12 mm, -30 – 180 °C, 2 × 1.5 m, M 16 × 1	0004569300
H.FKM.8.ISO	Hose set FKM incl. insulation, Ø 8 mm	0010011653
H.FKM.12.ISO	Hose set incl. insulation, FKM, Ø 12 mm	0010011652
H.PUR.12.AD	Hose set incl. M 16 × 1 connection, PUR 90 °C, Ø 12 mm	0010011654

INSULATION FOR HOSES		
ISO.8	Insulation, Ø 8 mm, 2 × 1.5 m	0004569400
ISO.12	Insulation, Ø 12 mm, 2 × 1.5 m	0004569500



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.
TUBE RACKS		
Tube rack, 13 mm, S, stainless	Stainless steel rack for bath size S, Ø 13 mm	0020004026
Tube rack, 17 mm, S, stainless	Stainless steel rack for bath size S, Ø 17 mm	0020004027
Tube rack, 22 mm, S, stainless	Stainless steel rack for bath size S, Ø 22 mm	0020004028
Tube rack, 13 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø 13 mm	0020004029
Tube rack, 17 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø17 mm	0020004030
Tube rack, 22 mm, ML, stainless	Stainless steel rack for bath size M+L, Ø 22 mm	0020004031
Variable rack, ICC, ML, stainless	Variable rack for bath size M+L.ICC	0020004032
Inlay 1, variable rack, ICC, ML	Inlay for variable rack, Ø 13 mm, 2 pcs.	0020004033
Inlay 2, variable rack, ICC, ML	Inlay for variable rack, Ø 17 mm, 2 pcs.	0020004034
Inlay 3, variable rack, ICC, ML	Inlay for variable rack, Ø 22 mm, 2 pcs.	0020004035
Variable bottom, ICC, L, stainless	Variable bottom for bath size L.ICC	0020004614
Bottom plate L	Bottom plate for bath size L	0020006212
Bottom plate L, ICC	Bottom plate for bath size L.ICC	0020007353

FLOATING RACKS

Floating tube rack 1	Floating tube rack for 24 × 1.5 / 2.0 ml tubes, 5 pcs.	0020003667
Floating tube rack 2	Floating tube rack for 8 × 15 ml tubes, 5 pcs.	0020003668
Floating tube rack 3	Floating tube rack for 4 × 50 ml tubes, 5 pcs.	0020003669

ADDITIONAL ACCESSORIES

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



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.
VALVES AND LEVEL CONTROLLERS		
MV 1	Magnetic valve for cooling water control, max. 100 °C	0020003763
CO V 1	Closed pressure valve for external pump connection set, max. 180 °C	0020000249
Ball valve M16 × 1	Ball valve, completely opening (M 16 × 1)	0020004620
Mechanic fluid level controller	Mechanic fluid level controller	0020004618
ADAPTERS		
Elbow tube 90°	Elbow tube 90°	0025001212
Elbow Olive 90° for pump	90° tube adapter for pump mounting	0025007462
Y-hose connector 8 mm	Splitter, PP, max. 135 °C	0020010963
Olive for DN 6 hoses	Olive for DN 6 hoses, 2 pcs.	0020004667
Olive for DN 8 hoses	Olive for DN 8 hoses, 2 pcs.	0020004566
Olive for DN 10 hoses	Olive for DN 10 hoses, 2 pcs.	0020004568
Olive for DN 12 hoses	Olive for DN 12 hoses, 2 pcs.	0020004889
Adapter NTP 1/4	Adapter M 16 to NPT 1/4, 2 pcs.	0020004569
Adapter NTP 1/2	Adapter M 16 to NPT 1/2, 2 pcs.	0020004570
Adapter NTP 3/4	Adapter M 16 to NPT 3/4, 2 pcs.	0020004571
Adapter M16 × 1 f - G1/4 m	Adapter M 16 × 1 female to G 1/4 male	0020008807
Adapter M16 × 1 m - G1/4 m	Adapter M 16 × 1 male to G 1/4 male	0020008734
Adapter M16 × 1 m - G1/2 m	Adapter M 16 × 1 male to G 1/2 male	0020008796
Adapter M16 × 1 f - G1/2 m	Adapter M 16 × 1 female to G 1/2 male	0020008800
Adapter M16 × 1 f - G3/8 m	Adapter M 16 × 1 female to G 3/8 male	0020008730
Adapter M16 × 1 m - G3/8 m	Adapter M 16 × 1 male to G 3/8 male	0020008754
Adapter M16 × 1 m - M 16 × 1 m	Adapter M 16 × 1 male to M 16 × 1 male, for hose extension	0025007118
Lock nut	Lock nut, 2 pcs.	0020004583
Stopper	Stopper, 2 pcs.	0020004584

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

Ident. No. 00040251A0



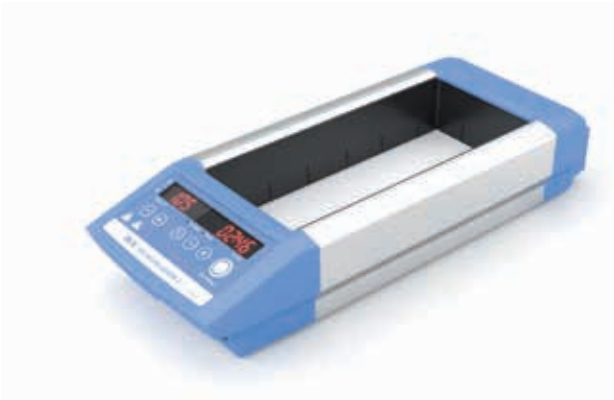
Dry Block Heater 2

Ident. No. 00040252A0



Dry Block Heater 3

Ident. No. 00040253A0



Dry Block Heater 4

Ident. No. 00040254A0



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 4.1



DB 4.6



DB 5.2



DB 5.8



DB 8.1

Product	Description	Ident. No.
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MICRO CENTRIFUGE TUBES

DB 1.1	Single block, PCR tubes, Ø 7.9 mm	0004467600
DB 1.2	Single block, Eppendorf tubes, Ø 11.5 mm	0004467700
DB 1.3	Single block, microtubes, Ø 11.1 mm	0004467800
DB 1.4	Single block, VWR Eppendorf tubes, Ø 10.9 mm	0004467900
DB 1.5	Single block, corning tubes, Ø 10.9 mm	0004468000



CONICAL BOTTOM CENTRIFUGE TUBES

DB 2.1	Single block, conical tubes, Ø 17.1 mm	0004468100
DB 2.2	Single block, conical tubes, Ø 29 mm	0004468200



COMBINATION BLOCKS

DB 3.1	Single block, test tube comb., 6 12 13 25 mm	0004468300
DB 3.2	Single block, centrifuge comb., 1.5 15 50 ml	0004468400
DB 3.3	Single block, microtube comb., 0.5 1.5 2 ml	0004468500



STANDARD TEST TUBES

DB 4.1	Single block, 30 round tubes, Ø 8.3 mm	0004468600
DB 4.2	Single block, 24 round tubes, Ø 10.7 mm	0004468700
DB 4.3	Single block, 16 round tubes, Ø 13.9 mm	0004468800
DB 4.4	Single block, 20 round tubes, Ø 13.9 mm	0004468900
DB 4.5	Single block, 12 round tubes, Ø 17.5 mm	0004469000
DB 4.6	Single block, 8 round tubes, Ø 21 mm	0004469100
DB 4.7	Single block, 6 round tubes, Ø 26.2 mm	0004469200
DB 4.8	Single block, 4 round tubes, Ø 35 mm	0004469300
DB 4.9	Single block, 12 round tubes, Ø 19.1 mm	0004469400



VIALS

DB 5.1	Single block, 12 mm vials, Ø 12.7 mm	0004469500
DB 5.2	Single block, 15 mm vials, Ø 15.8 mm	0004469600
DB 5.3	Single block, 17 mm vials, Ø 17.8 mm	0004469700
DB 5.4	Single block, 19 mm vials, Ø 19.7 mm	0004469800
DB 5.5	Single block, 21 mm vials, Ø 21.7 mm	0004469900
DB 5.6	Single block, 23 mm vials, Ø 23.8 mm	0004470000
DB 5.7	Single block, 25 mm vials, Ø 25.8 mm	0004470100
DB 5.8	Single block, 28 mm vials, Ø 28.8 mm	0004470200
DB 5.9	Single block, 16 mm vials, Ø 16.4 mm	0004470300



STANDARD TEST TUBES

DB 6.1	Single block, 10 × 8 PCR tube strips, Ø 6.4 mm	0004470400
DB 6.2	Single block, 64 PCR tubes, Ø 6.4 mm	0004470500
DB 6.3	Double block, 1 × 96-Well PCR plate, Ø 6.4 mm	0004470600
DB 7.1	Double block, 96- or 384-Well-plate	0004470800
DB 8.1	Single block, 2 × 6 cuvettes, Ø 12.5 mm	0004470700

TEMPERATURE SENSORS

PT 1000.60	Temp. sensor, stn. steel, Ø 3 mm, depth: 230 mm	0003516800
PT 1000.90	Temp. sensor, coated, Ø 3 mm, depth: 230 mm	0004480600

C-MAG HP 4

Ident. No. 00035816A0



C-MAG HP 10

Ident. No. 00035820A0

C-MAG HP 7

Ident. No. 00035818A0



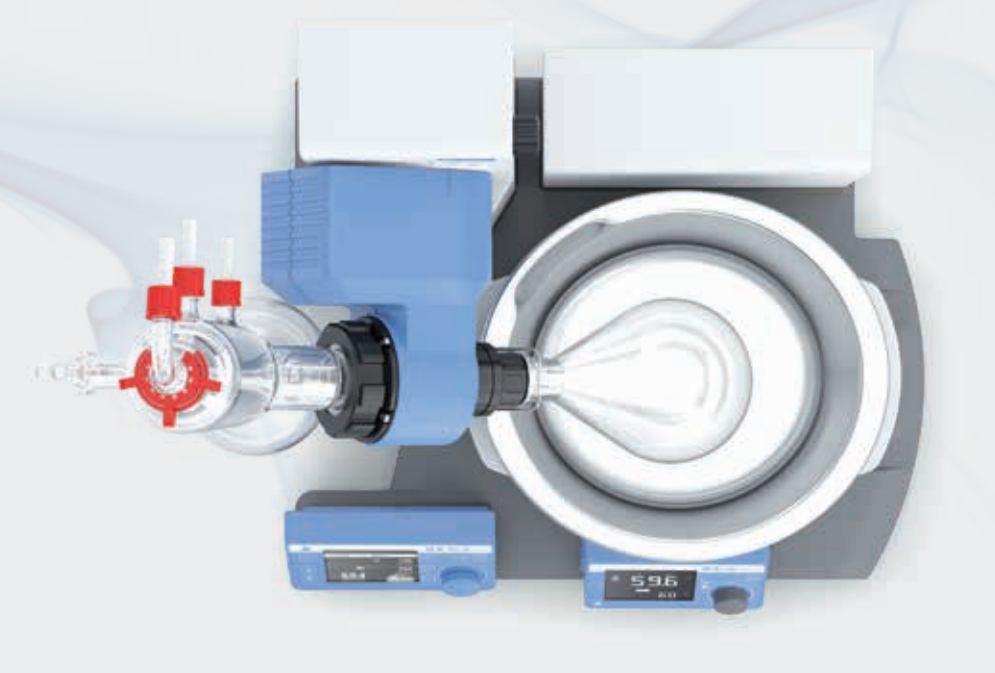
TECHNICAL DATA	C-MAG HP 4	C-MAG HP 7	C-MAG HP 10
Heat output	250 W	1000 W	1500 W
Heating temperature range	50 °C – 500 °C	50 °C – 500 °C	50 °C – 500 °C
Connection for ext. temperature sensor	–	ETS-D5	ETS-D5
Heating rate heating plate	2.5 K / min	5 K / min	5 K / min
Set-up plate material	Ceramic	Ceramic	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 universal heating bath HB digital 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

Ident. No. 0025007523



HB digital

Ident. No. 0025007522



Heating temperature up to 180 °C

HBR 4 control

Ident. No. 0020003549



Integrated magnetic stirrer drive

Product	Ident. No.
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ACCESSORIES HB ECO | DIGITAL

HB 10.3	Protection cover HB eco and digital	0020024125
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ACCESSORIES HBR 4 CONTROL

H 240	Ring set	0002858700
H 159	Intermediate bottom	0001809700

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



▶ Watch IKA INC video



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

Ident. No. 0020118888

Decontamination mode



/// INCUBATOR SHAKER

INC 125 FS digital (SP20)

Ident. No. 0020118889

INC 125 FS digital (SP25)

Ident. No. 0020118890

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

- 1

Oven 125 basic - dry

Ident. No. 0035002869
- 2

Oven 125 basic - dry glass

Ident. No. 0035002870



- 1

Oven 125 control - dry

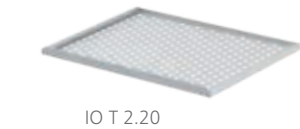
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- 2

Oven 125 control - dry glass

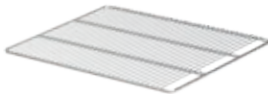
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TECHNICAL DATA	OVEN 125 BASIC (DRY DRY GLASS)	OVEN 125 CONTROL (DRY DRY GLASS)
Principle of heat transfer	Natural convection	Forced convection (fan adjustable in 10 steps)
Total volume inner chamber	125 l	125 l
Working temperature	RT +5 °C – 250 °C	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 x H x D)	700 x 825 x 650 mm	700 x 825 x 650 mm



IO T 2.20



IO T 2.10



IO SP 20 / IO SP 25



AS 2.1



AS 2.4



IO F 1.20



IO B 1.10

Product	Description	Ident. No.
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ACCESSORIES FOR INC 125 INCUBATOR AND INCUBATOR SHAKER

IO T 2.20	Perforated tray	0020118202
IO T 2.10	Wire grid tray	0020118621
IO S 2.10	Stacking kit	0020118174
Service - changing of door opening direction		0010012073

ACCESSORIES FOR INC 125 F DIGITAL INCUBATOR

IO L 2.10	Door lock	0035004372
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ACCESSORIES FOR INC 125 FS DIGITAL INCUBATOR SHAKER

IO SP 20	Shaker platform with 20 mm shaking stroke	0035004555
IO SP 25	Shaker platform with 25 mm shaking stroke	0020117011
IO T 2.30	Drip pan	0020118266
STICKMAX	Universal adhesive mat	0003920000
AS 2.0	Fixing clips, 10 ml	0020016475
AS 2.1	Fixing clips, 25 ml	0001234300
AS 2.2	Fixing clips, 50 ml	0001234400
AS 2.3	Fixing clips, 100 ml	0001234500
AS 2.4	Fixing clips, 200 / 250 ml	0001234600
AS 2.5	Fixing clips, 500 ml	0001234700
AS 2.6	Fixing clips, 1000 ml	0003819300
AS 2.7	Fixing clips, 2000 ml	0020016476

ACCESSORIES FOR OVEN

IO F 1.20	Spacer frame	0035001326
PT 100.31	Temp. sensor, stn. steel, Ø 6 mm, 265 mm	0020009564

ACCESSORIES FOR ALL TEMPERING CHAMBERS

IO T 1.00	Wire grid tray, chrom plated	0020024935
IO T 1.10	Enhanced wire grid tray	0020007600
IO F 1.10	Roller frame	0020007601
IO B 1.10	Roller box	0020007602
IO P 1.10	Table top work plate	0020007603

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
Ident. No. 0010003324

② RV 3 V-C
Ident. No. 0010003328

③ RV 3 FLEX
Ident. No. 0010003331

④ RV 3 Dry Ice Condenser
Ident. No. 0010006363

⑤ RV 3 Dry Ice Condenser, coated
Ident. No. 0010006362
- ⑥ RV 3 pro V Complete
Ident. No. 0010012015

⑦ RV 3 pro V-C Complete
Ident. No. 0010012687
- ① RV 8 V
Ident. No. 0010003482

② RV 8 V-C
Ident. No. 0010003485

③ RV 8 FLEX
Ident. No. 0010003488

④ RV 8 Dry Ice Condenser
Ident. No. 0010006361

⑤ RV 8 Dry Ice Condenser, coated
Ident. No. 0010006360
- ⑥ RV 8 pro V Complete
Ident. No. 0010012016

⑦ RV 8 pro V-C Complete
Ident. No. 0010012688



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

OUR PACKAGES

V: vertical glassware
V-C: vertical glassware with special plastic coating
FLEX: no glassware included
Complete: vacuum pump, controller and chiller included

Further package information on page 170

- ① **RV 10 digital V**
Ident. No. 0010004799
- ② **RV 10 digital V-C**
Ident. No. 0010004802
- ③ **RV 10 digital FLEX**
Ident. No. 0010004805
- ④ **RV 10 digital Dry Ice Condenser**
Ident. No. 0010006365
- ⑤ **RV 10 digital Dry Ice Condenser, coated**
Ident. No. 0010006364
- ⑥ **RV 10 digital pro V Complete**
Ident. No. 0010012017
- ⑦ **RV 10 digital pro V-C Complete**
Ident. No. 0010012689



TECHNICAL DATA	RV 10 DIGITAL
Motor type	Brushless DC drive motor
Speed range	5 – 280 rpm
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**
Ident. No. 0010004815*
- ② **RV 10 auto pro V-C**
Ident. No. 0010004812*
- ③ **RV 10 auto pro FLEX**
Ident. No. 0010004818*
- ④ **RV 10 auto pro V-C Complete**
Ident. No. 0010010504
- ⑤ **RV 10 digital pro V double Complete**
Ident. No. 0010012018
- ⑥ **RV 10 digital pro V-C double Complete**
Ident. No. 0010012690

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 10.11 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

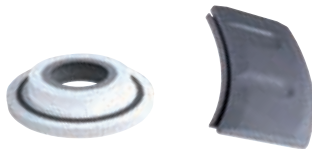
Product	Description	Ident. No.
ACCESSORIES RV 10, RV 8, RV 3		
RV 10.1	Set of glassware, vertical	0003655300
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.11 enlarged surface	Vertical-condenser, enlarged surface	0020019652
RV 10.110 enlarged surface	Vertical-condenser, coated, enlarged surface	0020019654
RV 10.2	Set of glassware, diagonal	0003755300
RV 10.20	Set of glassware, diagonal, coated	0003755500
RV 10.3	Vertical-intensive condenser, manifold	0003741000
RV 10.30	Vertical-intensive condenser, manifold, coated	0003741100
RV 10.4	Dry ice condensor	0003742000
RV 10.40	Dry ice condensor, coated	0003742100
RV 10.5	Vertical-condenser, reflux	0003743000
RV 10.50	Vertical-condenser, reflux, coated	0003743100
RV 10.6	Vertical-intensive condenser, reflux	0003744000
RV 10.60	Vertical-intensive condenser, reflux, coated	0003744100
RV 05.10	Balljoint clamp	0000736600
RV 10.88	Clamp, NS 29	0003683300
RV 10.400	Evaporation cylinder, NS 29/32, 500 ml	0003738800
RV 10.401	Evaporation cylinder, NS 29/32, 1500 ml	0003738900
RV 10.500	Foam brake, NS 29/32	0003739200
RV 10.600	Distilling spider, NS 29/32, 6 sleeves	0003739400
RV 10.601	Distilling spider, NS 29/32, 12 sleeves	0003739500
RV 10.602	Distilling spider, NS 29/32, 20 sleeves	0003739600
RV 10.610	Distilling sleeve, 20 ml	0003919400
RV 10.606	Distilling spider with 5 flasks, 50 ml	0003740800
RV 10.607	Distilling spider with 5 flasks, 100 ml	0003740900
RV 10.80	Evaporation flask, NS 29/32, 50 ml	0003740100
RV 10.800	Evaporation flask, coated, NS 29/32, 50 ml	0020005330
RV 10.81	Evaporation flask, NS 29/32, 100 ml	0003740200
RV 10.810	Evaporation flask, coated, NS 29/32, 100 ml	0020005331
RV 10.82	Evaporation flask, NS 29/32, 250 ml	0003740300
RV 10.820	Evaporation flask, coated, NS 29/32, 250 ml	0020005332
RV 10.83	Evaporation flask, NS 29/32, 500 ml	0003740400
RV 10.830	Evaporation flask, coated, NS 29/32, 500 ml	0020005333
RV 10.84	Evaporation flask, NS 29/32, 1000 ml	0003740500
RV 10.840	Evaporation flask, coated, NS 29/32, 1000 ml	0004221400
RV 10.85	Evaporation flask, NS 29/32, 2000 ml	0003740600
RV 10.850	Evaporation flask, coated, NS 29/32, 2000 ml	0020005334
RV 10.86	Evaporation flask, NS 29/32, 3000 ml	0003740700
RV 10.860	Evaporation flask, coated, NS 29/32, 3000 ml	0020005335
RV 10.90	Evaporation flask, NS 24/29, 50 ml	0003741200
RV 10.91	Evaporation flask, NS 24/29, 100 ml	0003741300



RV 10.103



RV 10.74



RV 10.8001
RV 10.3000

Product	Description	Ident. No.
ACCESSORIES RV 3, RV 8, RV 10		
RV 10.100	Receiving flask, KS 35/20, 100 ml	0003742200
RV 10.101	Receiving flask, KS 35/20, 250 ml	0003742300
RV 10.102	Receiving flask, KS 35/20, 500 ml	0003742400
RV 10.103	Receiving flask, KS 35/20, 1000 ml	0003742500
RV 10.104	Receiving flask, KS 35/20, 2000 ml	0003742600
RV 10.105	Receiving flask, KS 35/20, 3000 ml	0003742700
RV 10.200	Receiving flask, coated, KS 35/20, 100 ml	0003743200
RV 10.201	Receiving flask, coated, KS 35/20, 250 ml	0003743300
RV 10.202	Receiving flask, coated, KS 35/20, 500 ml	0003743400
RV 10.203	Receiving flask, coated, KS 35/20, 1000 ml	0003743500
RV 10.204	Receiving flask, coated, KS 35/20, 2000 ml	0003743600
RV 10.205	Receiving flask, coated, KS 35/20, 3000 ml	0003743700
RV 10.300	Powder flask, NS 29/32, 500 ml	0003738200
RV 10.301	Powder flask, NS 29/32, 1000 ml	0003738300
RV 10.302	Powder flask, NS 29/32, 2000 ml	0003738400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.74	Vapor tube, short, NS 29/32	0003971700
RV 10.8001	Seal, PTFE, stn. steel	0003907000
RV 10.3000	Extension plate	0003859000

ACCESSORIES RV 3		
RV 3.1	Support pole	0025004587
RV 3.4	Woulff bottle	0025004588
RV 10.5005	Hose kit	0020000552

ACCESSORIES RV 8		
RV 8.1	Support pole	0004438500
RV 8.2	Mechanical end stop for RV 8	0025001342
RV 8.3	Stand pole	0025004707
RV 10.5005	Hose kit	0020000552

ACCESSORIES VALVE RV 10 AUTO		
RV 10.5002	Filter	0003903800
RV 10.5003	Pressure regulating valve	0003907100



RV 3.1
RV 3.4



RV 10.5003

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.



▶ Watch G-L video

mini G
Ident. No. 00039580A0*



*Adapters included in delivery

IKA G-L
Ident. No. 0020021303**



**2 ml rotor set included in delivery

Product	Ident. No.
ACCESSORIES IKA MINI G	
Rotor 4 × HPLC	0020022341

ACCESSORIES IKA G-L	
PCR Set	0030001345
Adapter PCR tube	0030001346
Adapter 0.5 ml tube	0030001347
Adapter 0.4 ml tube	0030001334
2 ml rotor set	0030001333

IKA G-L, PCR Set



TECHNICAL DATA	IKA MINI G	IKA G-L
Capacity	8 × 1.5 / 2.0 ml	12 × 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 × H × D)	155 × 105 × 175 mm	200 × 140 × 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.



▶ Watch
PETTE video

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 × 0.5 – 10 µl
Ident. No. 0020017943
 - ② **PETTE multi**
8 × 10 – 100 µl
Ident. No. 0020017944
 - ③ **PETTE multi**
8 × 20 – 200 µl
Ident. No. 0020017945

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

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



- ① **PETTE fix 5 µl**
Ident. No. 0020011219

② **PETTE fix 10 µl**
Ident. No. 0020011220

③ **PETTE fix 20 µl**
Ident. No. 0020011221

④ **PETTE fix 25 µl**
Ident. No. 0020011222

⑤ **PETTE fix 50 µl**
Ident. No. 0020011223
- ⑥ **PETTE fix 100 µl**
Ident. No. 0020011224

⑦ **PETTE fix 200 µl**
Ident. No. 0020011225

⑧ **PETTE fix 250 µl**
Ident. No. 0020011226

⑨ **PETTE fix 500 µl**
Ident. No. 0020011227

⑩ **PETTE fix 1000 µl**
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 **PETTE vario 0.1 – 2 µl**
Ident. No. 0020011210

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

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

④ **PETTE vario 10 – 100 µl**
Ident. No. 0020011214
- ⑤ **PETTE vario 20 – 200 µl**
Ident. No. 0020011215

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

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

⑧ **PETTE vario 1 – 10 ml**
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

Ident. No. 0010007638



PETTE MicroKit B

Ident. No. 0010007639



PETTE Classic Kit

Ident. No. 0010007640



PETTE MacroKit

Ident. No. 0010007641



PETTE MicroKit A	PETTE MicroKit B	PETTE Classic Kit	PETTE MacroKit
PETTE vario 0.1 – 2 µl	PETTE vario 0.1 – 2 µl	PETTE vario 2 – 20 µl	PETTE vario 100 – 1000 µl
PETTE vario 0.5 – 10 µl	PETTE vario 2 – 20 µl	PETTE vario 20 – 200 µl	PETTE vario 0.5 – 5 ml
PETTE vario 10 – 100 µl	PETTE vario 20 – 200 µl	PETTE vario 100 – 1000 µl	PETTE vario 1 – 10 ml
LINEA Pipette rack	LINEA Pipette rack	LINEA Pipette rack	LINEA Pipette rack
Tip xs box	Tip xs box	Tip s box	Tip m box
Tip xs box	Tip xs box	IKA Tip 1000 µl box	Tip l box
			Tip xl box



RONDA



Universal fit
pipette tips



IKA Tip 1000 µl box

Product	Description	Ident. No.
ACCESSORIES		
LINEA	Pipette rack	0020018987
RONDA	Carousel stand for up to 6 pipettes	0020107134
Tip 10 µl bag	Pipette tip, 10 µl, transparent, 1000 pcs.	0020114634
IKA Tip 10 µl box	Pipette tip, 10 µl, transparent, 960 pcs.	0020116857
Tip xs box +	Filter tip, 10 µl, sterile, transparent, 1920 pcs.	0020017820
Tip s bag	Pipette tip, 200 µl, transparent, 10 000 pcs.	0020017822
Tip 200 µl bag	Pipette tip, 200 µl, transparent, 1000 pcs.	0020114635
IKA Tip 200 µl box	Pipette tip, 200 µl, transparent, 960 pcs.	0020116858
Tip s tray	Pipette tip, 200 µl, transparent, 1920 pcs.	0020017823
Tip s box	Pipette tip, 200 µl, transparent, 1920 pcs.	0020101787
Tip s box +	Filter tip, 200 µl, sterile, transparent, 1920 pcs.	0020017824
IKA Tip 1000 µl bag	Pipette tip, 1000 µl, transparent, 1000 pcs.	0020114636
IKA Tip 1000 µl box	Pipette tip, 1000 µl, transparent, 600 pcs.	0020116859
Tip m box +	Filter tip, 1000 µl, sterile, transparent, 1920 pcs.	0020100000
Tip l bag	Pipette tip, 5 ml, transparent, 2500 pcs.	0020017829
Tip l box	Pipette tip, 5 ml, transparent, 500 pcs.	0020017830
Tip xl bag	Pipette tip, 10 ml, transparent, 1000 pcs.	0020017831
Tip xl box	Pipette tip, 10 ml, transparent, 250 pcs.	0020017832
PETTE.GR.1	Pipette grease, 1 g	0020017692
PETTE.GR.45	Pipette grease, 45 g	0020119238
Filter L	Filter for single-channel pipette 5 ml, 100 pcs.	0020016449
Filter XL	Filter for single-channel pipette 10 ml, 100 pcs.	0020016450



SOFTWARE
Pipette Calibration Software
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.

EasySyn reactor system

/// The reactor system for chemical synthesis



> Check Configurator



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.

① EasySyn 500 Starter Reactor System

Ident. No. 0020113433

② EasySyn 1000 Starter Reactor System

Ident. No. 0020113435

① EasySyn 2000 Starter Reactor System

Ident. No. 0020113438

② EasySyn 5000 Starter Reactor System

Ident. No. 0020113442

① EasySyn 500 Advanced Reactor System

Ident. No. 0020113434

② EasySyn 1000 Advanced Reactor System

Ident. No. 0020113436

① EasySyn 2000 Advanced Reactor System

Ident. No. 0020113440

② EasySyn 5000 Advanced Reactor System

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

Further package information on page 172



Product	Description	Ident. No.
ACCESSORIES EASYSYN		
SY 500	Reactor vessels 500 ml	0020113459
SY 500 D	Reactor vessels 500 ml with bottom discharge	0020113460
SY 1000	Reactor vessels 1000 ml	0020113461
SY 1000 D	Reactor vessels 1000 ml with bottom discharge	0020113462
SY 2000	Reactor vessels 2000 ml	0020113463
SY 2000 D	Reactor vessels 2000 ml with bottom discharge	0020113464
SY 5000	Reactor vessels 5000 ml	0020113465
SY 5000 D	Reactor vessels 5000 ml with bottom discharge	0020113466
SY 100.1	Reactor lid DN 100	0020113649
SY 100.2	Reactor lid DN 100	0020116965
SY 150.1	Reactor lids DN 150	0020113660
SY 150.2	Reactor lids DN 150	0020113661
R 4011 SY	Propeller stirrer, PTFE, 400 mm	0020114111
R 4012 SY	Propeller stirrer, PTFE, 480 mm	0020114112
R 4013 SY	Propeller stirrer, PTFE, 530 mm	0020114113
R 4021 SY	Anchor stirrer, PTFE, 410 mm	0020114114
R 4022 SY	Anchor stirrer, PTFE, 530 mm	0020114115
LT 5.40	Draining set for Reactor system	0020113266
SY stand	Stand system	0020103316
SY clamp 100	Vessel clamp DN 100	0020105944
SY clamp ring 100	Clamp ring DN 100	0020113866
SY O-ring 100	O-Ring DN 100	0020113867
SY guide	Stirrer guide	0020109139
SY clamp 150	Clamp ring DN 150	0020105879
SY clamp ring 150	Clamp ring DN 150	0020113868
SY O-ring 150	O-Ring DN 150	0020113869
SY NS.6	Swivelling screw fitting 6 mm	0020113165
SY NS.8	Swivelling screw fitting 8 mm	0020113164
SY NS.12	Swivelling screw fitting 12 mm	0020113163
LT 5.30	Tempering hose 800 mm	0020108012
LT 5.31	Tempering hose 1200 mm	0020110278
LT 5.32	Tempering hose 1600 mm	0020113271
PT 100.300	Temperature sensor 300 mm	0020114304
PT 100.500	Temperature sensor 500 mm	0020114305
SY pH 325	pH-Electrode 325 mm	0020114414
SY pH 425	pH-Electrode 425 mm	0020114415
SY C1	Reflux condenser	0020113927
SY VC	Vacuum cock NS 14/23	0001970900
SY BDV PT 100	Bottom discharge valve with integrated temperature sensor	0020121894
H 71.32*	Temperature sensor 320 mm	0020117772
H 71.45*	Temperature sensor 450 mm	0020118833
R 270.extension	Extension for R 270	0020007927

* For connection to a EUROSTAR control overhead stirrer

LR 1000 basic System

Ident. No. 0020119960

- LR 1000 basic base
- LR 1000.1 Laboratory reactor vessel
- LR 1000.61 Sensor receptacle
- PT 100.30 Temperature sensor
- Support rod
- Hose connectors for cooling hoses (2 pcs.)



LR 1000 control System

Ident. No. 0025001991

Weighing range:
max. 2 kg

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



- LR 1000 control base
- LR 1000.3 Laboratory reactor vessel
- LR 1000.10 Anchor stirrer with PEEK scrapers
- LR 1000.62
- PT 100.30 Temperature sensor
- Silentstream
- Support rod
- Hose connectors (2 pcs.)
- USB Cable 2 m

LR-2.ST
The High-Performer

Ident. No. 0020013291

- EUROSTAR 200 control P4
- Overhead stirrer
- LR2.10 Reactor cover
- LR-2.SI Safety disconnection
- LR-2.ST Stand system



LR-2.ST
The Allrounder

Ident. No. 0020013292

- EUROSTAR 200 control
- Overhead stirrer
- LR2.10 Reactor cover
- LR-2.SI Safety disconnection
- LR-2.ST Stand system



LR-2.ST
The Versatile

Ident. No. 0020013293

- EUROSTAR 100 control
- Overhead stirrer
- LR2.10 Reactor cover
- LR-2.SI Safety disconnection
- LR-2.ST Stand system



LR-2.ST
The Compact Power

Ident. No. 0020013294

- EUROSTAR 60 control
- Overhead stirrer
- LR2.10 Reactor cover
- LR-2.SI Safety disconnection
- LR-2.ST Stand system



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) FFPM Borosilicate glass 3.3 PTFE
Height of telescopic stand	620 – 1010 mm
Dimensions (W × H × D)	460 × 1240 × 430 mm

Discover the variety of equipment options with accessories on **page 148** and at www.ika.com



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) FFPM Borosilicate glass 3.3 PTFE
Telescope stand stroke	620 – 1010 mm
Dimensions (W × H × D)	460 × 1240 × 430 mm

LR-2.ST STARVISC 200
Ident. No. 0020020603



- LR-2.ST STARVISC 200 Package
- STARVISC 200-2.5 control Measuring stirrer
- LR2.10 Reactor cover
- LR-2.SI Safety disconnection
- LR-2.ST Stand system



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.
ACCESSORIES LR 1000		
WiCo LR 1000	Wireless controller	0020007267
LR 1000.1	Reactor vessel, 1000 ml, FKM sealings, 4 connectors, anchor stirrer	0003602000
LR 1000.3	Reactor vessel, 1000 ml, FFKM sealings, 6 connectors, anchor stirrer with PEEK scrapers	0025001955
LR 1000.10	Anchor stirrer with PEEK scrapers	0004663100
LR 1000.11	Anchor stirrer, stainless steel	0004663000
LR 1000.20	Flow breaker / baffle, stainless steel	0004663200
LR 1000.40	Shaft receptacle FFKM	0025001950
LR 1000.41	Shaft receptacle for dispersing tool	0004664300
LR 1000.61	Temperature sensor receptacle	0004664400
LR 1000.62	Sensor receptacle GL 14	0020010508
LR 1000.64	pH electrode	0004663300
LR 1000.65	pH electrode receptacle	0004663400
LR 1000.70	Lid holder	0025003123
MV 1	Magnetic valve for cooling water control, max. 100 °C	0020003763
Holder MV 1	Holder for cooling water control valve	0020019816

ACCESSORIES LR-2.ST		
LR-2.SI	Safety stop	0003318300
LR 2000.10	Anchor stirrer with PEEK scraper	0002508400
LR 2000.11	Anchor stirrer, stainless steel	0002509500
LR 2000.20	Flow breaker / baffle, stn. steel	0002508500
LR 2.1	Glass reactor vessel, single-walled, 2000 ml	0003070000
LR 2000.1	Glass reactor vessel, double-walled, 2000 ml	0002508300
LR 2000.2	Glass reactor vessel, double-walled, bot. drain 2000 ml	0002509600
LR 2000.3	Stainless steel reactor vessel, double-walled, 2000 ml	0002509700
LR 2000.4	Stainless steel reactor vessel, double-walled, bot. drain, 2000 ml	0003064900



HBR 4 control LR



LT 5.28



T 25 digital LR

Product	Description	Ident. No.
ACCESSORIES LR-2.ST		
LR 2000.40	Shaft receptacle	0002509200
LR 2000.60	Sensor receptacle	0002509300
LR 2000.64	pH process electrode	0020010075
LR 2000.65	pH measuring sensor receptacle	0003172600
LR-2.SP	Splinter shield	0003326400
LT 5.23 M 16	Adapter G1/4 m - M16x1 m	0020106236
LT 5.25 200C	Lock coupling 200 °C	0020120795
LT 5.26 200C	Lock adapter 200 °C	0020120796
LT 5.27	Hose adapter set	0020000880
LT 5.28	Pressure control valve	0020100227
H 68.55	Temp. sensor, stn. steel, Ø 6 mm	0025007921
HBR 4 control LR	Heating bath, 4 l	0010001849
PT 1000.61	Temperature sensor, stn. steel, Ø 6 mm	0020009881

ACCESSORIES REACTOR SYSTEM		
T 25 digital LR	Disperser	0020008820
S 25 KV - 25 G	Dispersing element, Ø 25 mm	0002466900
S 25 KV - 25 F	Dispersing element, Ø 25 mm	0002404000
S 25 KV - 26 LR	Dissolver stirrer, high speed	0020015397
S 25 KD - LR - 25 G	Dispersing element, length: 267 mm	0025007321
S 25 KD - LR - 25 F	Dispersing element, length: 267 mm	0025007322



S 25 KD - LR - 25 G



S 25 KD - LR - 25 F

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

Ident. No. 0020019397

labworldsoft® 6 Starter Update

Ident. No. 0020019398

labworldsoft® 6 Advanced

Ident. No. 0020105873

labworldsoft® 6 Advanced Update

Ident. No. 0020105874

labworldsoft® 6 Starter Upgrade

Ident. No. 0020019399

labworldsoft® 6 Pro

Ident. No. 0020017366

labworldsoft® 6 Pro Update

Ident. No. 0020018014



Expert Key 100 eco

Expert Key 100 pro



ETH SER 4



PCI 8.2

C 6040 CalWin

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.
Expert Key 100 eco	Data collection system for laboratories	0020005486
Expert Key 100 pro	Data collection system for industries	0020005485
Multi power switch	Switchable multiple connection plug board	0020003454
MV 1 power plug	Cooling water valve with power plug	0010001655
RV 10 A 1	Adapter valve for Expert Key	0020004314
PT 100.1 A 1	Adapter LEMO for Expert Key	0020004315
PT 1000 A 1	Adapter DIN 6 for Expert Key	0020004316
PT 100.10 A 1	Adapter DIN 5 for Expert Key	0020004317
PC 1.1	Cable, L 3 m	0002616700
PC 1.3	Cable, L 1.5 m	0025005322
PC 1.5	Cable, L 2.5 m	0002756000
PC 2.1	Cable, L 5 m	0002700700
PC 3.1	Cable, L 3 m, 9 pins (F), 15 pins (M)	0020122152
USB 3.0 EXT 10	USB 3.0 extension cable, L 10 m	0020021255
USB A-B cable	USB A-B cable	0004220200
DTM 12.10	Data cable, L 2.5 m, 9 pins (F)	0003127800
PC 1.2	Adapter, 25 pins	0002616800
PC 1.4	Adapter, 9 pins (F), 15 pins (M)	0002755900
PC 2.2	Adapter, 9 pins (F), 25 pins (M)	0002753200
PCI 8.2	Plug-in card, 25 pins	0008017500
USB SER 4	USB-serial converter 4 ports	0020003456
USB SER 8	USB-serial converter 8 ports	0020018480
USB SER 16	USB-serial converter 16 ports	0020018736
USB Hub 2.0 4	USB hub 2.0 4 ports	0020021256
USB Hub 2.0 7	USB hub 2.0 7 ports	0020021257
USB ISO	USB isolator	0020101935
ETH SER 4	Ethernet-serial converter 4 ports	0003192000
ETH SER 8	Ethernet-serial converter 8 ports	0020021350
ETH SER 16	Ethernet-serial converter 16 ports	0020021351

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 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
Ident. No. 0010005657

C 1 Package 1/12
Ident. No. 0010005660

C 1 Package 2/10
Ident. No. 0010005658

C 1 Package 2/12
Ident. No. 0010005661

C 1 Package 3/10
Ident. No. 0010005659

C 1 Package 3/12
Ident. No. 0010005662



C 200
Ident. No. 0008802500

C 200 h
Ident. No. 0008803700

C 200 auto
Ident. No. 0010002379

C 200 h auto
Ident. No. 0010002387

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 x H x D)	290 x 280 x 300 mm	400 x 400 x 400 mm

Further package information on page 166

C 6000 isoperibol
Package 1/10

Ident. No. 0010004524

C 6000 global standards
Package 1/10

Ident. No. 0010004520

C 6000 isoperibol
Package 1/12

Ident. No. 0010004525

C 6000 global standards
Package 1/12

Ident. No. 0010004521

C 6000 isoperibol
Package 2/10

Ident. No. 0010004526

C 6000 global standards
Package 2/10

Ident. No. 0010004522

C 6000 isoperibol
Package 2/12

Ident. No. 0010004527

C 6000 global standards
Package 2/12

Ident. No. 0010004523



TECHNICAL DATA	C 6000 ISOPERIBOL I 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 (1g benzoic acid NBS39i)	Isoperibol 0.05% RSD Dynamic 0.15% RSD Adiabatic 0.05% RSD
Measuring modes	Isoperibol 22 / 25 / 30 °C Dynamic 22 / 25 / 30 °C Adiabatic 22 / 25 / 30 °C
Measurements per hour	Isoperibol 4 Dynamic 6 Adiabatic 5
Number of possible decomposition vessels per device	up to 4
Dimensions (W × H × D)	500 × 425 × 450 mm

* C 3000 in on request

AOD 1

Ident. No. 0008801300



C 7000 Set 1

Ident. No. 0008800900

C 7000 Set 2

Ident. No. 0008801400



Further package
information on
page 165

TECHNICAL DATA	C 7000
Maximum energy input	30 000 J
Resolution of the temperature sensor	0.0001 K
Display	LED
Oxygen operating pressure max.	40 bar
Reproducibility (1g benzoic acid NBS39i)	0.2 % RSD
Measuring modes	Double dry (ISO 1928)
Working temperature max.	30 °C
Number of possible decomposition vessels per device	8
Dimensions (W × H × D)	310 × 395 × 490 mm

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 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.
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ACCESSORIES AND CONSUMABLES C 1

C 1/10	Food add on Package for C 1	0010001917
C 1.20	Water heater	0020012603
C 1.10	Combustion chamber	0004500300
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1.50	Dot matrix printer	0004500600
C 1.30	Venting station	0004500900
C 1.1012	Organizer	0004500700
C 1.101	Set of spare parts, approx. 1000 experiments	0004502200
C 1.121	Set of spare parts, approx. 1000 experiments	0004502300
C 1.103	Ignition wire, Kanthal, 5 pcs.	0004579300
C 1.123	Ignition wire, platinum, 2 pcs.	0004500200

ACCESSORIES AND CONSUMABLES C 6000

C 6010	Decomposition vessel, standard	0003770000
C 6012	Decomposition vessel, halogen resistant	0004504000
C 6010 HE	Standard decomposition vessel with hastelloy electrodes	0020007660
C 6010.10	Combustion shield	0020007518
C 1.50	Dot matrix printer	0004500600
C 6030	Venting station	0004504100
C 60.1012	Organizer	0004504200
C 6000.10	Set of spare parts, approx. 1000 experiments	0004504300
C 6000.12	Set of spare parts, approx. 1000 experiments	0004504400
C 1.103	Ignition wire, standard, Kanthal, 5 pcs.	0004579300
C 1.123	Ignition wire, platinum, 2 pcs.	0004500200

ACCESSORIES ALL CALORIMETERS

C 27	Calorimeter preparation set	0004579700
C 29 (DIN 477)	Pressure regulator, oxygen	0000750200
C 29 (BS341-3)	Pressure regulator, oxygen	0020101322
C 29 (NFE29-656)	Pressure regulator, oxygen	0020101828
C 21	Pelleting press	0001605300
C 5010.8	Crucible holder, small	0004579800
C 5010.5	Crucible holder, big	0003055900



C 200.RC



C 248



C 5010



C 5020



C 48



C 7010.8



C 5010.4



C 5010.5

Product	Description	Ident. No.
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ACCESSORIES C 200

C 200.RC	Set of hoses	0020010835
C 248	Oxygen station	0003520000
C 200.1	Measuring cup, 2000 ml	0003548900
C 200.2	Conversion kit for C 5012	0004028800

ACCESSORIES C 200, C 2000, C 5000

C 5010	Decomposition vessel, standard	0007114000
C 5012	Decomposition vessel, halogen resistant	0007215000
C 5010 HE	Standard decomposition vessel with hastelloy electrodes	0003955000
C 5030	Venting station	0007198000
C 5010.4	Attachment for combustible crucible C 14	0003016900
C 26	Prep stand	0008804000

ACCESSORIES C 2000, C 5000, C 6000

C 5020	Sample rack	0007145000
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ACCESSORIES C 2000, C 5000, C 7000

C 5041.10	Connection cable	0003036000
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ACCESSORIES C 1, C 2000, C 6000

C 25	Pressure regulating valve	0003197200
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ACCESSORIES C 7000

C 7000	Measurement cell	0003008000
C 7010	Decomposition vessel, standard	0003015000
C 7012	Decomposition vessel, halogen resistant	0003017000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000
C 7030	Venting station	0003013300
C 7010.8	Venting handle	0007095000
C 5010.4	Attachment for combustible crucible C 14	0003016900
C 5010.5	Crucible holder, big	0003055900



C 710.4



C 5



C 4



C 10



C 9



C 15



C 12



C 43



C 17



AOD 1.11



C 723



C 5012.3

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

CONSUMABLES C 200, C 2000, C 5000, C 7000		
C 5010.3	Ignition wire, spare, 5 pcs.	0007122800
C 5012.3	Ignition wire, spare, 5 pcs.	0002994900
C 14	Combustible crucibles, 100 pcs.	0007224500

* 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



C 723



Product	Description	Ident. No.
ACCESSORIES AOD 1		
AOD 1.1 FZ	Decomposition vessel	0003303000
AOD 1.2	External ignition unit	0003348000
AOD 1.3	Protection device	0003308000
AOD 1.13	Remote ignition head	0003348100
C 48	Oxygen station	0001560000
C 7030	Venting station	0003013300
C 21	Pelleting press	0001605300
C 29 (DIN 477)	Pressure gauge, oxygen	0000750200
C 29 (BS341-3)	Pressure gauge, oxygen	0020101322
C 29 (NFE29-656)	Pressure gauge, oxygen	0020101828
C 5010.4	Attachment for combustible crucible C 14	0003016900

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

C 6040 CalWin

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

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

STANDS		
R 104	Stand for T 10 basic, H 370 mm	0003386000
R 1825	Plate stand, H 560 mm	0003160000
R 1826	Plate stand, H 800 mm	0003160100
R 1827	Plate stand, H 1000 mm	0003160200
R 2722	H-stand, 1010 mm	0001412000
R 2723	Telescopic stand, H 620-1010 mm	0001412100
T 653	Telescopic stand, H 1200 mm	0001608000
R 474	Telescopic stand, H 1200 mm	0001643000
R 472	Floor stand, H 2020 mm	0000738700
R 2850	Floor stand, H 1900 mm	0020002900
R 6547 H	Floor stand, hydraulic	0020018533
R 6547.1	Container clamping device for R 6547 H / E floor stand	0020018680



R 104



R 1825



R 2722



R 2723



R 474



R 2850



ALMEMO 2490



PT 100.23

Product	Description	Ident. No.
ELECTRONIC STANDS		
IKA [scale]	Stand with weighing function	0025004318
R 6547 E 400V	Floor stand, electrohydraulics	0020018673
R 2850.SI	Safety stop	0020010623
ALMEMO TEMPERATURE MEASURING INSTRUMENT		
ALMEMO 2490-2	Temperature measuring instrument	0004709300
ALMEMO USB cable	USB cable	0004709400
PT 100.23	Temp. sensor, stn. steel, Ø3 mm, length: 250 mm	0003122100
PT 100.24	Temp. sensor, stn. steel, coated, Ø6 mm, 250 mm	0003122200
PT 100.25	Temp. sensor, stn. steel, Ø6 mm, 265 mm	0003122300

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.



RCT basic ready-to-go Solution



RCT basic Synthesis Solution 1000

Product	Description	Ident. No.
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MAGNETIC STIRRER PACKAGE

RCT basic ready-to-go Solution

RCT basic	RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor	0025006477
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	RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor	0025006477
ETS-D5	Electronic contact thermometer	00033780A0
H 38	Holding rod	0003547700
H 44	Boss head clamp	0002437700
H 16 V	Support rod	0001545100

RCT basic Synthesis Solution 250

RCT basic	RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor	0025006477
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	0001752900
IKAFLO 25 ellipse	Stir bar	0004494800

RCT basic Synthesis Solution 500

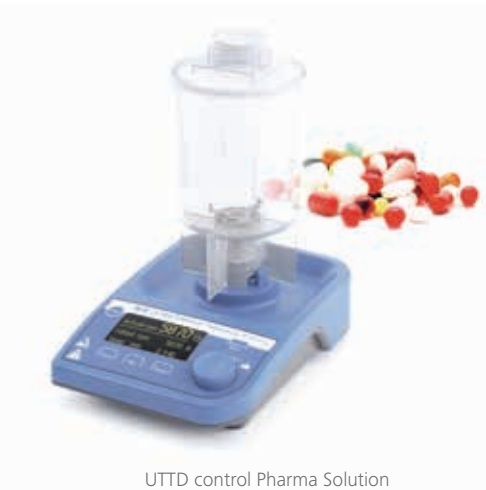
RCT basic	RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor	0025006477
H 135.30	Flask carrier 500 ml	0025000639
H 38	Holding rod	0003547700
H 44	Boss head clamp	0002437700
H 16 V	Support rod	0001545100
R 350	Universal clamp	0001752900
IKAFLO 30 ellipse	Stir bar	0004495000

RCT basic Synthesis Solution 1000

RCT basic	RCT basic magnetic stirrer, incl. PT 1000.60 temperature sensor	0025006477
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	0001752900
IKAFLO 40 ellipse	Stir bar	0004495400



UTDD basic IVD Solution



UTDD control Pharma Solution



UTDD control Life Science Solution

Product	Description	Ident. No.
SINGLE-USE CRUSHING / IVD PACKAGES		
ULTRA-TURRAX® P control Workstation		0020022030
ULTRA-TURRAX® Tube Drive P control	Disperser	0025005981
ST-20	Stirring tube, 20 ml (3 pcs.)	0003703000
DT-20	Dispersing tube, 20 ml	0003703100
Glass balls	(6.0 mm) for BMT tubes	0003599200
Stainless steel	(5.0 mm) balls for BMT tubes	0003599300
UTTD basic IVD Solution		0010013007
ULTRA-TURRAX® Tube Drive	Disperser	0003646000
BMT-20-S-IVD.50	Tube with stirring element, sterile, IVD label, 50 pcs., membrane lid	0020027186
UTTD control IVD Solution		0010013008
ULTRA-TURRAX® Tube Drive P control	Disperser	0025005981
BMT-20-S-IVD.50	Tube with stirring element, sterile, IVD label, 50 pcs., membrane lid	0020027186
UTTD control Pharma Solution		0010013297
ULTRA-TURRAX® Tube Drive P control	Disperser	0025005981
DIS-300-S-M.10	Dissolver tube, 300 ml, 10 pcs.	0020016318
UTTD control Life Science Solution		0010013296
ULTRA-TURRAX® Tube Drive P control	Disperser	0025005981
DT-20	Dispersing tube, 20 ml, 20 pcs.	0003703100



Tube Mill control Agriculture Solution



C 7000 basic equipment set 2

Product	Description	Ident. No.
SINGLE-USE CRUSHING / IVD PACKAGES		
Tube Mill control Agriculture Solution		0010013298
Tube Mill control	Batch mill	00041800A0
MT 40.10	Disposable grinding chamber, 40 ml, 10 pcs.	0004425000
Tube Mill 100 control Pharma Solution		0010013309
Tube Mill 100 control	Batch mill	0020014733
MT 100.10	Disposable grinding chamber, 100 ml, 10 pcs.	0020008386
DOUBLE DRY CALORIMETER		
C 7000 basic equipment set 1		0008800900
C 7000	Measurement cell	
C 7010	Decomposition vessel, standard	0003015000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000
C 7000 basic equipment set 2		0008801400
C 7000	Measurement cell	
C 7012	Decomposition vessel, halogen resistant	0003017000
C 7002	Cooling system	0007011000
C 48	Oxygen station	0001560000



C 1

Product	Description	Ident. No.
CALORIMETER PACKAGES		
C 1 Package 1/10 Package		0010005657
C 1	Calorimeter	0020015311
C 1.10	Combustion chamber	0004500300
RC 2 basic	Recirculating chiller	0020015693
C 1 Package 2/10 Package		0010005658
C 1	Calorimeter	0020015311
C 1.10	Combustion chamber	0004500300
C 1 Package 3/10 Package		0010005659
C 1	Calorimeter	0020015311
C 1.10	Combustion chamber	0004500300
C 1.20	Water heater	0004501000
C 1 Package 1/12 Package		0010005660
C 1	Calorimeter	0020015311
C 1.12	Combustion chamber, halogen resistant	0004500400
RC 2 basic	Recirculating chiller	0020015693
C 1 Package 2/12 Package		0010005661
C 1	Calorimeter	0020015311
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1 Package 3/12 Package		0010005662
C 1	Calorimeter	0020015311
C 1.12	Combustion chamber, halogen resistant	0004500400
C 1.20	Water heater	0004501000
C 200 auto Package		0010002379
C 200	Measurement cell	0003385000
RC 2 basic	Recirculating chiller	0020015693
C 200.RC	Set of hoses	0020010835
C 5010	Decomposition vessel	0007114000
C 248	Oxygen filling station	0003520000
C 200 h auto Package		0010002387
C 200	Measurement cell	0003385000
RC 2 basic	Recirculating chiller	0020015693
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.
CALORIMETER PACKAGES		
C 6000 global standards Package 1/10		0010004520
C 6000 global standards	Measurement cell	0020005930
C 6010	Decomposition vessel, standard	0003770000
RC 2 basic	Recirculating chiller	0020015693
C 6000 global standards Package 1/12		0010004521
C 6000 global standards	Measurement cell	0020005930
C 6012	Decomposition vessel, halogen resistant	0004504000
RC 2 basic	Recirculating chiller	0020015693
C 6000 global standards Package 2/10		0010004522
C 6000 global standards	Measurement cell	0020005930
C 6010	Decomposition vessel, standard	0003770000
C 6000 global standards Package 2/12		0010004523
C 6000 global standards	Measurement cell	0020005930
C 6012	Decomposition vessel, halogen resistant	0004504000
C 6000 isoperibol Package 1/10		0010004524
C 6000 isoperibol	Measurement cell	0020005940
C 6010	Decomposition vessel, standard	0003770000
RC 2 basic	Recirculating chiller	0020015693
C 6000 isoperibol Package 1/12		0010004525
C 6000 isoperibol	Measurement cell	0020005940
C 6012	Decomposition vessel, halogen resistant	0004504000
RC 2 basic	Recirculating chiller	0020015693
C 6000 isoperibol Package 2/10		0010004526
C 6000 isoperibol	Measurement cell	0020005940
C 6010	Decomposition vessel, standard	0003770000
C 6000 isoperibol Package 2/12		0010004527
C 6000 isoperibol	Measurement cell	0020005940
C 6012	Decomposition vessel, halogen resistant	0004504000



RV 3 V-C



RV 8 V-C

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES*		
RV 3 V Package		
RV 3	Drive	0020015793
HB eco	Heating bath	0025007523
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 3 V-C Package		
RV 3	Drive	0020015793
HB eco	Heating bath	0025007523
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 3 FLEX Package		
RV 3	Drive	0020015793
HB eco	Heating bath	0025007523
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300
RV 8 V Package		
RV 8	Drive	0025002822
HB digital	Heating bath	0025007522
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 8 V-C Package		
RV 8	Drive	0025002822
HB digital	Heating bath	0025007522
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 8 FLEX Package		
RV 8	Drive	0025002822
HB digital	Heating bath	0025007522
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300



RV 8 Dry Ice Condenser



RV 10 digital Dry Ice Condenser, coated

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES*		
RV 3 dry ice condensor		
RV 3	Drive	0020015793
HB eco	Heating bath	0025007523
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 3 dry ice condensor, coated		
RV 3	Drive	0020015793
HB eco	Heating bath	0025007523
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask	0003740500
RV 8 dry ice condensor		
RV 8	Drive	0025002822
HB digital	Heating bath	0025007522
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 8 dry ice condensor, coated		
RV 8	Drive	0025002822
HB digital	Heating bath	0025007522
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10 digital Dry Ice Condenser		
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0025007522
RV 10.84	Evaporation flask (NS 29/32, 1000 ml)	0003740500
RV 10.4	Dry ice condenser	0003742000
RV 10.102	Receiving flask (KS 35/20, 500 ml)	0003742400
RV 10 digital dry ice condenser, coated		
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0025007522
RV 10.40	Dry ice condenser, coated	0003742100
RV 10.203	Receiving flask, coated (KS 35/20, 1000 ml)	0003743500
RV 10.84	Evaporation flask	0003740500

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



RV 10 digital V-C



RV 10 auto pro V-C

Product	Description	Ident. No.
ROTARY EVAPORATOR PACKAGES		
RV 10 digital V Package		0010004799
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020016334
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 digital V-C Package		0010004802
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020016334
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 digital FLEX Package		0010004805
RV 10 digital	Drive	0003550099
HB digital	Heating bath	0020016334
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300
RV 10 auto pro V Package		0010004815
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020016334
RV 10.1	Set of glassware, vertical	0003655300
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 auto pro V-C Package		0010004812
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020016334
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10 auto pro FLEX Package		0010004818
RV 10 auto	Drive	0020003919
VACSTAR digital	Pump with analog connection	0020016236
HB digital	Heating bath	0020016334
RV 05.10	Balljoint clamp	0000736600
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.88	Clamp, NS 29	0003683300



RV 3 pro V Complete



RV 8 pro V Complete



RV 10 auto pro V-C Complete

Product	Description	Ident. No.
ROTARY EVAPORATOR COMPLETE PACKAGES		
RV 3 pro V Complete		0010012015
RV 3 V	Drive	0010003324
VC 10 lite	Vacuum controller	0020111998
VACSTAR digital	Pump with analog connection	0020016432
RC 2 lite	Recirculating chiller	0020104305
RV 10.5005	Hose kit	0020000552
VC 10.500	Stand pole	0035002702
RV 8 pro V Complete		0010012016
RV 8 V	Drive	0010003482
VC 10 lite	Vacuum controller	0020111998
VACSTAR digital	Pump with analog connection	0020016432
RC 2 lite	Recirculating chiller	0020104305
RV 10.5005	Hose kit	0020000552
RV 8.3	Stand pole	0025004707
RV 10 digital pro V Complete		0010012017
RV 10 digital	Drive	0010004799
VC 10 lite	Vacuum controller	0020111998
VACSTAR digital	Pump with analog connection	0020016432
RC 2 lite	Recirculating chiller	0020104305
RV 10.5005	Hose kit	0020000552
VC 10.400	Stand	0035001735
RV 10 auto pro V-C Complete		0010010504
RV 10 auto pro V-C	Drive	0010004812
VC 10 lite	Vacuum controller	0020111998
VACSTAR digital	Pump with analog connection	0020016432
VSE 1	Vacuum safety emission condenser	0035001873
RC 2 lite	Recirculating chiller	0020104305
H.SI.8	Hose set	0004569000
RV 10.70	Vapor tube, NS 29/32	0003812200
RV 10.10	Set of glassware, vertical, coated	0003755400
RV 10 digital pro V double Complete		0010012690
RV 10 digital pro V (2 pcs.)	Drive	0010004799
VC 10 pro (2 pcs.)	Vacuum controller	0020112031
VACSTAR digital	Pump with analog connection	0020016432
VSE 1	Vacuum safety emission condenser	0035001873
RC 2 GREEN basic	Recirculating chiller	0025007421
RV 10.5005 (2 pcs.)	Hose kit	0020000552
VC 10.300 (2 pcs.)	Check valve	0020011105
Y hose connector (2 pcs.)	Y-hose connector	0020010963



EasySyn 500 Starter Reactor system



EasySyn 2000 Starter Reactor system

Product	Description	Ident. No.
SYNTHESIS REACTORS		
EasySyn 500 Starter Reactor system		0020113433
EUROSTAR 60 digital	Overhead stirrer	00044460A0
R 60	Keyless chuck	0003889500
SY stand	Stand	0020103316
SY 500 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 500 ml volume	0020113460
SY clamp 100	Vessel clamp	0020105944
SY clamp ring 100	Clamp ring	0020113866
SY O-ring 100	FEP-coated O-Ring	0020113867
SY 100.1	Reactor lid	0020113649
R 4011 SY	Propeller stirrer	0020114111
SY guide	Stirrer guide	0020109139
EasySyn 1000 Starter Reactor system		0020113435
Same content as EasySyn 500 Starter, except:		
SY 1000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 1000 ml volume	0020113462
EasySyn 2000 Starter Reactor system		0020113438
Same content as EasySyn 500 Starter, except:		
SY 2000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 2000 ml volume	0020113464
SY clamp 150	Vessel clamp	0020105879
SY clamp ring 150	Clamp ring	0020113868
SY O-ring 150	FEP-coated O-Ring	0020113869
SY 150.1	Reactor lid	0020113660
R 4012 SY	Propeller stirrer	0020114112
EasySyn 5000 Starter Reactor system		0020113442
Same content as EasySyn 2000 Starter, except:		
SY 5000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 5000 ml volume	0020113466
R 4013 SY	Propeller stirrer	0020114113



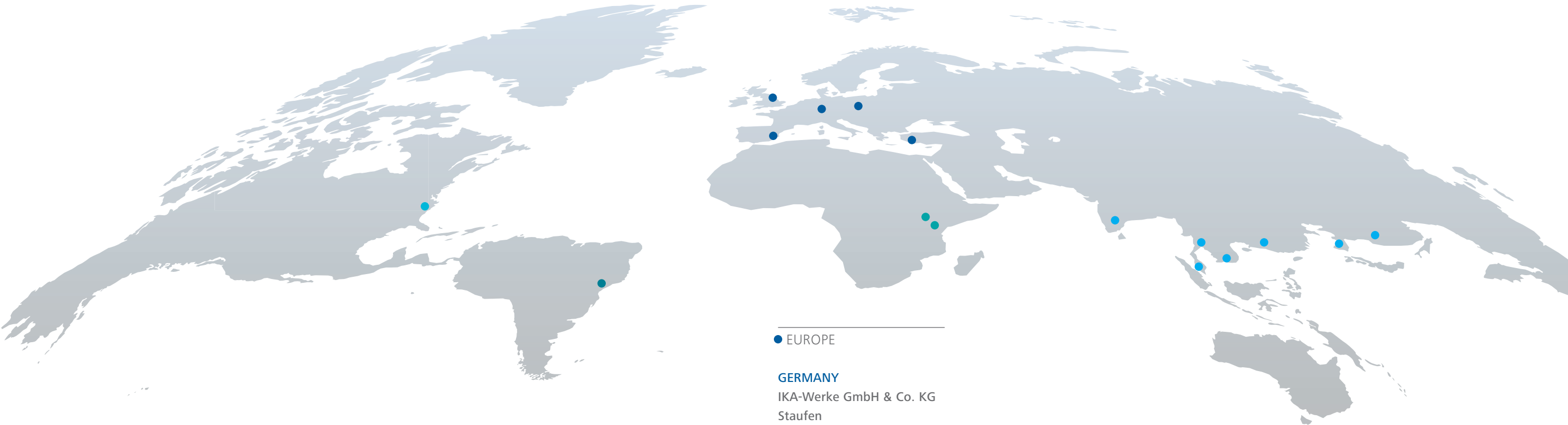
EasySyn 1000 Advanced Reactor system



EasySyn 5000 Advanced Reactor system

Product	Description	Ident. No.
SYNTHESIS REACTORS		
EasySyn 500 Advanced Reactor system		0020113434
EUROSTAR 100 control	Overhead stirrer	00040285A0
R 60	Keyless chuck	0003889500
SY stand	Stand	0020103316
SY 500 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 500 ml volume	0020113460
LT 5.40	Draining set	0020113266
SY clamp 100	Vessel clamp	0020105944
SY clamp ring 100	Clamp ring	0020113866
SY O-ring 100	FEP-coated O-Ring	0020113867
SY 100.1	Reactor lid	0020113649
R 4011 SY	Propeller stirrer	0020114111
SY guide	Stirrer guide	0020109139
EasySyn 1000 Advanced Reactor system		0020113436
Same content as EasySyn 500 Advanced, except:		
SY 1000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 1000 ml volume	0020113462
EasySyn 2000 Advanced Reactor system		0020113440
Same content as EasySyn 500 Advanced, except:		
SY 2000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 2000 ml volume	0020113464
SY clamp 150	Vessel clamp	0020105879
SY clamp ring 150	Clamp ring	0020113868
SY O-ring 150	FEP-coated O-Ring	0020113869
SY 150.1	Reactor lid	0020113660
R 4012 SY	Propeller stirrer	0020114112
EasySyn 5000 Advanced Reactor system		0020113443
Same content as EasySyn 2000 Advanced, except:		
SY 5000 D Reactor vessel	Double-walled reactor vessel with bottom discharge, 5000 ml volume	0020113466
R 4013 SY	Propeller stirrer	0020114113





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