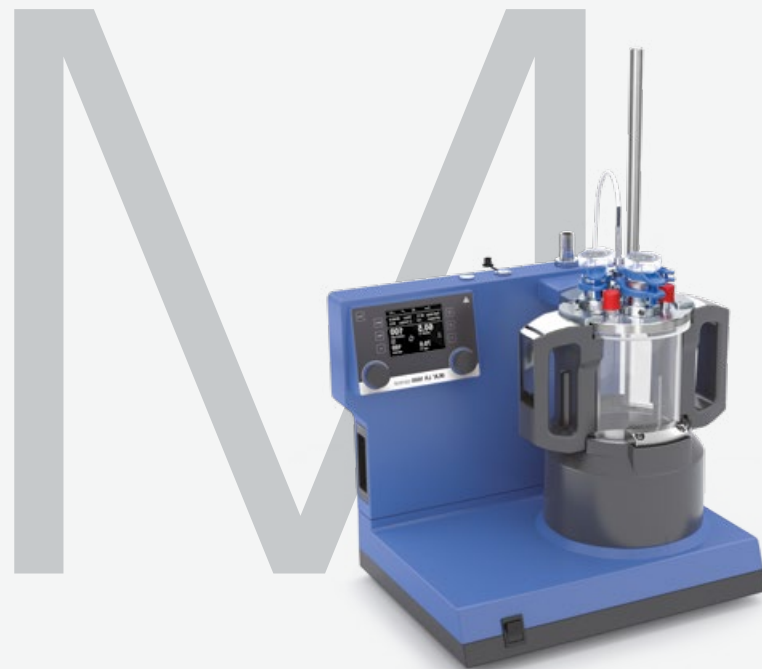


IKA

designed for scientists

EN



MODULAR

Passionately enabling chemists to create a better world since 1910.
From A to Z.

LABORATORY REACTORS MADE BY IKA.

Laboratory Reactors

/// Optimizing and reproducing chemical reactions

IKA laboratory reactors are modular systems for the optimization and reproduction of chemical reaction, mixing, dispersing and homogenizing processes at the laboratory level.

The reactor systems can be adapted individually to a wide range of tasks. This includes, for example, the manufacture of creams and lotions, the grinding and reduction to fibres of solids in liquids or polymers, as well as the mixing and drying of powders.

On the following pages, we present our four laboratory reactor systems: LR 1000 basic and control, LR-2.ST, magic LAB® and magic PLANT.

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/// IKA SERVICE

3-YEAR WARRANTY*

*2+1 years after registering at www.ika.com/en/register, glassware and wearing parts excluded



Find out more about IKA and order our fascinating products online: www.ika.com.

IKA Laboratory Reactors – overview

/// For demanding and universal applications

The lab reactors can be individually customized to perform numerous tasks, including: production of cremes and lotions, and the grinding and disintegrating of solids and fibers in liquids or polymers. Single-walled or double-walled vessels made from borosilicate glass or stainless steel are available, each with or without bottom discharge valve. Functionality, safety, and longevity are the main goals in the development of IKA laboratory reactors.

AREA OF APPLICATION:
PHARMACEUTICALS, CHEMICALS,
FOOD, COSMETICS



- ADVANTAGES**
- > Reproducible procedures
 - > Continuous high quality
 - > Control and documentation using the labworldsoft® software



LR 1000



LR-2.ST



magic LAB® 2000/03



magic PLANT


LR 1000


/// Modular design


Multiple vessels can be used with just one base unit. This means that more sets of samples can be processed per day.



 **Digital display** for monitoring of speed.

 Adjustable **safety circuit**.

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

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

LR 1000

/// Package offer



LR 1000 basic Package

- > LR 1000 basic base
- + LR 1000.1 reactor vessel
- + LR 1000.61 sensor receptacle
- + PT 100.30 temperature sensor
- + H 11 main cable

Ident. No. 0008040100

€ 5.298,00



LR 1000 control Package

- > LR 1000 control base
- + LR 1000.3 reactor vessel
- + LR 1000.62 sensor receptacle
- + PT 100.30 temperature sensor
- + H 11 main cable
- + USB cable – USB A to Micro-B, 2 m

Ident. No. 0010001035

€ 9.437,00



INCLUDED IN BASIC PACKAGE

/// LR 1000 basic base + LR 1000.1 reactor vessel
LR 1000.61 sensor receptacle + PT 100.30 temperature sensor + H 11 main cable



INCLUDED IN CONTROL PACKAGE

/// LR 1000 control base + LR 1000.3 reactor vessel + USB cable – USB A to Micro-B, 2 m
LR 1000.62 sensor receptacle + PT 100.30 temperature sensor + H 11 main cable




LR-2.ST

/// High performers

Suited for processing high-viscosity samples at highest temperatures.
Various types of agitators can be used to meet individual requirements.

NEW!

 Clockwise and counter clockwise stirring direction.



LR-2.ST

/// Package offers



LR-2.ST the High-Performer Package
 › LR-2.ST stand system
 + LR-2.SI safety disconnection
 + EUROSTAR 200 P4 control overhead stirrer

Ident. No. 0020013291

€ 10.480,00



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

Ident. No. 0020013292

€ 9.537,00



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

Ident. No. 0020013293

€ 9.136,00



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

Ident. No. 0020013294

€ 8.652,00

magic LAB® 2000/03

/// Modular inline system

The basic magic LAB® 2000/03 unit is equipped with a UTL single-stage dispersion system. Additional modules can be installed as an option, but are not included in the scope of delivery.

magic LAB®

/// Package offer



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



9 **interchangeable modules** available.



Controller with **touch-screen**.

magic LAB with additional option micro PLANT 2 ltr.



magic LAB® Package
 › magic LAB® 2000/03

Ident. No. 000U078310

€ 7.580,00

magic PLANT

/// Sophisticated R&D plant system

The IKA magic PLANT combines different mixing technologies with innovative drying processes. Depending on the version, it is ideally suited for batch, inline and powder operation modes.



magic PLANT

/// Package offer



magic PLANT basic Package

- › Adjustable speed drive for perfect agitation of liquids or suspensions
- › Tiltable, double jacketed and insulated vessel
- › Special stirrer tools included e. g. anchor and propeller type
- › Optional ULTRA-TURRAX® T 25 digital disperser for perfect emulsions and suspensions

Ident. No. 0020001186

€ 20.400,00



magic PLANT inline Package

- › The latest development in dispersion technology for the finest and most stable emulsions and suspensions
- › Circulation of the product via the circulation line with the two-stage rotor-stator system in the connected magic LAB® laboratory dispersion machine
- › Stirring tools, such as propeller stirrers and toothed disc, available as an option
- › Anchor stirrer included in scope of delivery

Ident. No. 000U107703

€ 28.900,00



magic PLANT powder Package

- › Efficient gentle mixing process
- › Special powder stirrer in a helical design included in the scope of delivery
- › Tiltable vessel for improved mixing and drying results
- › Draining through the bottom outlet valve or by full inclination of the vessel.

Ident. No. 000U107159

€ 20.900,00

Accessories

/// magic LAB®



Module DISPAX-REACTOR® DR

Three-stage disperser for applications with high shear requirements; ideal for producing the finest emulsions and suspensions.

Details

Module DISPAX-REACTOR® DR
Ident. No. 000U078352

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

€ 1.220,00



MK MODULE COLLOID MILL

Colloid Mill with cone shaped rotor and stator; used for the production of colloidal solutions (finest suspensions) and emulsions. The gap between the rotor and stator is adjustable.

Details

MK module colloid mill
Ident. No. 000U076662

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

€ 2.770,00



MODULE CMS

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

Details

Module CMS
Ident. No. 000U075333

Flow rate (H ₂ O)	1000 l/h
Standard rotational speed	11.000 rpm
Circumferential speed	19.5 m/s*

€ 2.460,00



Module MKO cone mill

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

Details

Module MKO cone mill
Ident. No. 000U079664

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

€ 2.770,00



MODULE MCD

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

Details

Module MCD
Ident. No. 0020001675

Flow rate	1 – 20 kg/h**
Standard rotational speed	12.000 rpm
Circumferential speed	19.5 m/s*

€ 2.770,00



MODULE MHD

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

Details

Module MHD
Ident. No. 000U075262

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

€ 2.170,00

* At standard speed/speed adjustable from 3,000 to 26,000 rpm, ** With maximum gap between rotor and stator

Accessories

/// magic PLANT, LR 1000

ACCESSORIES

/// Comparison

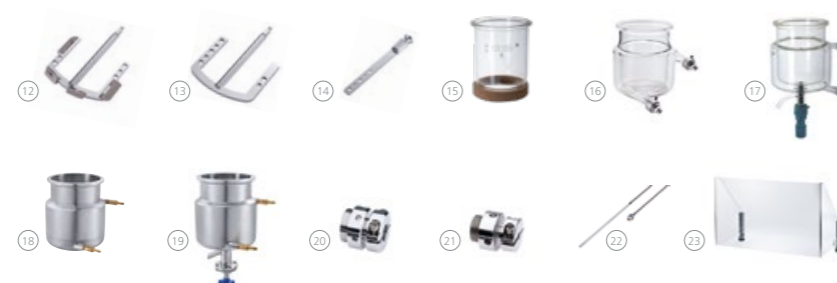
	Description	Price
magic PLANT Accessories		
	Dissolver agitator Ident. No. 0020002170	€ 255,00
	T 25 connection kit 220 – 240 V Ident. No. 0020001910	€ 270,00
	Safety valve Ident. No. 0020003010	€ 380,00
	Temperature sensor lid (PT 100) Ident. No. 0020003346	€ 380,00
	Spiral agitator Ident. No. 000U106093	€ 560,00
	Conversion kit inline to basic Ident. No. 0020001209	€ 380,00
LR 1000 Accessories		
①	LR 1000.1 Ident. No. 0003602000	Reactor vessel, 1.000 ml, FPM seals, 4 connections € 2.769,00
②	LR 1000.3 Ident. No. 0025001955	Reactor vessel, 1.000 ml, FFKM seals, 6 connections € 3.447,00
③	LR 1000.10 Ident. No. 0004663100	Anchor stirrer with PEEK scrapers € 346,00
④	LR 1000.11 Ident. No. 0004663000	Anchor stirrer, stainless steel € 204,00
⑤	LR 1000.20 Ident. No. 0004663200	Flow breaker, stainless steel € 270,00
⑥	LR 1000.41 Ident. No. 0004664300	Shaft receptacle for installing the S 25 KV dispersing tools € 381,00
⑦	LR 1000.61 Ident. No. 0004664400	Sensor receptacle for installation of the PT 100.30 temperature measuring sensor € 349,00
⑧	LR 1000.62 Ident. No. 0020010508	Sensor receptacle GL 14 € 299,00
⑨	LR 1000.64 Ident. No. 0004663300	pH redox electrode € 696,00
⑩	LR 1000.65 Ident. No. 0004663400	pH electrode receptacle € 589,00
⑪	LR 1000.70 Ident. No. 0025003123	Lid holder € 196,00
⑫	WH 10 Ident. No. 0020000984	WiCo Holder € 17,00



Accessories

/// LR-2.ST – for all packages

ACCESSORIES /// Comparison		
	Description	Price
LR-2.ST Accessories		
12	LR 2000.10 Ident. No. 0002508400	Anchor stirrer with PEEK scrapers € 1.163,00
13	LR 2000.11 Ident. No. 0002509500	Anchor stirrer, stainless steel € 541,00
14	LR 2000.20 Ident. No. 0002508500	Flow breaker, stainless steel € 531,00
15	LR 2.1 Ident. No. 0003070000	Reactor vessel, single-walled, 2.000 ml € 668,00
16	LR 2000.1 Ident. No. 0002508300	Reactor vessel, double-walled, 2.000 ml € 3.007,00
17	LR 2000.2 Ident. No. 0002509600	Reactor vessel, double-walled, 2.000 ml with bottom drain valve € 3.776,00
18	LR 2000.3 Ident. No. 0002509700	Stainless steel reactor vessel, double-walled, 2.000 ml € 4.329,00
19	LR 2000.4 Ident. No. 0003064900	Stainless steel reactor vessel, double-walled with bottom drain 2.000 ml € 7.186,00
20	LR 2000.40 Ident. No. 0002509200	Shaft receptacle to carry the S 25 KV dispersing tools € 472,00
21	LR 2000.60 Ident. No. 0002509300	Sensor receptacle for carrying the PT 100.30 temperature measuring sensor € 426,00
22	H 68.55 Ident. No. 0025001479	Temperature sensor, stainless steel € 231,00
	LR 2000.64 Ident. No. 0020010075	pH process electrode € 987,00
	LR 2000.65 Ident. No. 0003172600	pH electrode receptacle € 697,00
23	LR-2.SP Ident. No. 0003326400	Splinter shield € 356,00



ACCESSORIES /// Comparison		
	Description	Price
LR-2.ST Accessories		
24	ALMEMO 2490 Ident. No. 0004709300	Universal measuring instrument with two measuring channels € 1.555,00
25	LT 5.20 Ident. No. 0002606700	High-temperature hose kit (2 pcs), stainless steel, 1,5 m, Ø 10 mm € 1.050,00
	LT 5.21 Ident. No. 0020000988	Hose kit insulated (2 pcs) € 827,00
26	LT 5.23 Ident. No. 0002235000	Hose adapter € 110,00
27	LT 5.25 Ident. No. 0020000878	Lock coupling € 428,00
28	LT 5.26 Ident. No. 0020000879	Lock adapter € 294,00
29	LT 5.27 Ident. No. 0020000880	Hose adapter € 428,00
	H.FKM.12 Ident. No. 0004569300	Hose set DN 12 (2 x 1.5 m), incl. 4 hose clamps € 323,00
General accessories for all laboratory reactors		
30	T 25 digital LR Ident. No. 0020008820	Disperser € 1.799,00
31	S 25 KV - 25 F Ident. No. 0002404000	Dispersing tool € 1.849,00
32	S 25 KV - 25 G Ident. No. 0002466900	Dispersing tool € 1.749,00
33	S 25 KV - 18 G Ident. No. 0002348000	Dispersing tool € 1.716,00
	S 25 KV - 26 LR Ident. No. 0020015397	Dissolver stirrer, high speed € 1.588,00
34	HBR 4 control LR Ident. No. 0010001849	Heating bath, 4 l, incl. PT 1000.61, d: 6 mm, for external temperature regulation of the medium € 3.318,00
35	labworldsoft® Ident. No. 0004720000	Laboratory software € 1.285,00



Complementary Products

/// Vacuum control

IKA OFFERS A WIDE VARIETY OF LABORATORY EQUIPMENT FOR YOUR APPLICATIONS.



TECHNICAL DATA
/// MVP 10 basic, Ident. No. 0003980000

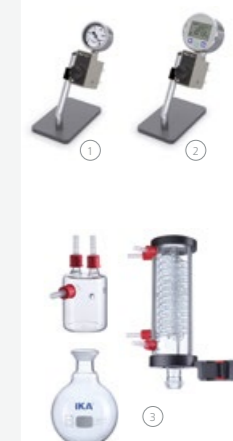
Pump rate max. (50/60Hz)	1,7 m ³ /h
Pump rate max. (50/60Hz)	28,3 l/min
Suction levels	2
Input pressure min.	7 mbar

MVP 10 basic
Membrane vacuum pump for oil-free applications, vacuum hoses included in delivery.

Ident. No. 0003980000
€ 1.489,00

ACCESSORIES
/// Comparison

	Description	Price
MVP 10 basic Accessories		
①	VCV 1 Ident. No. 0020004850	Vacuum control valve manual € 525,00
②	VCV 2 Ident. No. 0020004893	Vacuum control valve digital € 870,00
③	VSS 1 Ident. No. 0020005194	Vacuum safety set € 735,00
LWS cooling option		
	Multi Power Switch Ident. No. 0020003454	Adapter for expert key € 72,00
	MV 1 power plug Ident. No. 0010001655	Cooling-water-valve with power plug € 445,00



NEW!

TECHNICAL DATA
/// VC 10 vacuum controller, Ident. No. 0020005132

Vacuum sensor type	ceramic AL2O3
Measurement range	1 – 1.100 mbar
Resolution pressure	1 mbar
Vacuum valve	yes
Display	TFT
Temperature measurement resolution	1 K
Accuracy of temperature measurement	±1 K
Timer	yes
Material in contact with medium	Al2O3, PTFE, FPM, PPS
Dimensions (W x H x D)	95 x 150 x 110 mm
Weight	1,5 kg
Protection class according to DIN EN 60529	IP 20
RS 232/USB interface	yes



VC 10 vacuum controller

Ident. No. 0020005132

€ 1.473,00

ACCESSORIES
/// Comparison

	Description	Price
VC 10 Accessories		
①	VC 10.300 Ident. No. 0020011105 Check valve	€ 154,00
②	VC 10.400 Ident. No. 0035001735 Table holder	€ 189,00
	PT 1000.60 Ident. No. 0003516800 Temperature sensor, stainless steel	€ 112,00



NEW!

TECHNICAL DATA
/// VACSTAR digital, Ident. No. 0020016236

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



VACSTAR digital

Ident. No. 0020016236

€ 2.052,00








ACCESSORIES
/// Comparison

	Description	Price
VACSTAR digital Accessories		
③	VSW 1 Ident. No. 0020015406 Vacuum safety woulfe bottle	€ 360,00
④	VSE 1 Ident. No. 0035001873 Vacuum safety emission	€ 420,00
⑤	VH.SI.8 Ident. No. 0020013886 Vacuum hose, silicone, Ø 8 mm, 1 m	€ 32,00



/// Temperature control



-  **Energy efficiency** – up to 60 % lower energy consumption during standard operation (compared to devices of competitors).
-  **Control accuracy** – the speed-regulated compressor provides a ten-times higher temperature stability of up to $\pm 0,05$ K.
-  **Silent mode** – the fan only runs as needed.
-  **Handling** – safe and ergonomic handling. Casters on the back of the device enable easy transport and set-up.
-  **Large operating volume** – the large difference between the maximum and minimum volume can be used as the operating volume for external tempering.
-  Connection for **PT 100 temperature probe**.
-  **Detachable WiCo (wireless controller)** for simple and safe remote access from up to 10 m (30 ft.).



RC 2 control

Ident. No. 0004173000

€ 4.050,00



RC 2 basic

Ident. No. 0004171000

€ 3.050,00

RC 2 control

Ident. No. 0004173000

€ 4.050,00

TECHNICAL DATA
/// In comparison

	RC 2 basic Ident. No. 0004171000	RC 2 control Ident. No. 0004173000
Appliance type	Recirculating chiller	Recirculating chiller
Heater capacity (230 V)	–	–
Cooling capacity at 20°C	400 W	400 W
Working temperature range	-20 °C – RT	-30 °C – RT
Temperature stability DIN 12876	$\pm 0,1$ K	$\pm 0,05$ K
Bath volume range	1,5 – 4 l	1,5 – 4 l
Max. flow rate	18 l/min	18 l/min
USB/RS 232 interface	yes	yes



RC 5 basic

Ident. No. 0004181000

€ 4.500,00

RC 5 control

Ident. No. 0004183000

€ 5.000,00

HBC 5 basic

Ident. No. 0004125000

€ 2.850,00

HBC 5 control

Ident. No. 0004127000

€ 3.350,00

TECHNICAL DATA
/// In comparison

	RC 5 basic Ident. No. 0004181000	RC 5 control Ident. No. 0004183000
Appliance type	Recirculating chiller	Recirculating chiller
Heater capacity (230 V)	–	–
Cooling capacity at 20°C	1.400 W	1.400 W
Working temperature range	-30 °C – RT	-30 °C – RT
Temperature stability DIN 12876	± 0,1 K	± 0,1 K
Bath volume range	5,2 – 8 l	5,2 – 8 l
Max. flow rate	31 l / min	31 l / min
USB/RS 232 interface	yes	yes

TECHNICAL DATA
/// In comparison

	HBC 5 basic Ident. No. 0004125000	HBC 5 control Ident. No. 0004127000
Appliance type	Heated bath circulator	Heated bath circulator
Heater capacity (230 V)	2.500 W	2.500 W
Cooling capacity at 20°C	–	–
Working temperature range	RT+10°C – 250 °C	RT+10°C – 250 °C
Temperature stability DIN 12876	± 0,02 K	± 0,01 K
Bath volume range	4,5 – 6,5 l	4,5 – 6,5 l
Max. flow rate	31 l / min	31 l / min
USB/RS 232 interface	yes	yes



HRC 2 basic

Ident. No. 0025003742

€ 3.750,00

HRC 2 control

Ident. No. 0025004524

€ 4.400,00

CBC 5 basic

Ident. No. 0004165000

€ 4.500,00

CBC 5 control

Ident. No. 0004167000

€ 5.000,00

TECHNICAL DATA
/// In comparison

	HRC 2 basic HRC 2 basic, Ident. No. 0025003742	HRC 2 control HRC 2 control, Ident. No. 0025004524
Appliance type	Cooling and heating circulator	Cooling and heating circulator
Heater capacity (230 V)	1.500 W	1.500 W
Cooling capacity at 20°C	400 W	400 W
Working temperature range	- 20 °C to + 100 °C	- 30 °C* to + 100 °C
Temperature stability DIN 12876	± 0,05 K	± 0,05 K
Bath volume range	1,5 – 4 l	1,5 – 4 l
Max. flow rate	21 l/min	21 l/min
USB/RS 232 interface	yes	yes

* - 30 °C possible at 2.000 rpm.

TECHNICAL DATA
/// In comparison

	CBC 5 basic CBC 5 basic, Ident. No. 0004165000	CBC 5 control CBC 5 control, Ident. No. 0004167000
Appliance type	Cooling and heating circulator	Cooling and heating circulator
Heater capacity (230 V)	2.500 W	2.500 W
Cooling capacity at 20°C	350 W	400 W at 3.200 min ⁻¹
Working temperature range	- 25 °C to + 200 °C	- 25 °C to + 200 °C
Temperature stability DIN 12876	± 0,02 K	± 0,01 K
Bath volume range	5 – 7 l	5 – 7 l
Max. flow rate	31 l/min	31 l/min
USB/RS 232 interface	yes	yes

Technical data

/// Laboratory Reactors

TECHNICAL DATA
/// In comparison

LR 1000 basic | control

Ident. No. 0008040100
Ident. No. 0010001035

LR-2.ST

the High-Performer, Ident. No. 0020013291
the Allrounder, Ident. No. 0020013292
the Versatile, Ident. No. 0020013293
the Compact Power, Ident. No. 0020013294

Temperature	120 °C	230 °C
Viscosity	100.000 mPas	150.000 mPas
Volume min.	350 ml	500 ml
Volume min. for dispersing	600 ml	800 ml
Volume max.	1.000 ml	2.000 ml
Throughput	–	–
Vacuum	25 mbar	25 mbar
Pressure	–	–
Dispersing	Batch with T 25	Batch with T 25

€ 5.298,00 | € 9.437,00

**€ 10.480,00 | € 9.537,00 |
€ 9.136,00 | € 8.652,00**



LR 1000



LR-2.ST

TECHNICAL DATA
/// In comparison

magic LAB® 2000/03

Ident. No. 000U078310
with Module ULTRA-TURRAX® UTL

magic PLANT

basic, Ident. No. 0020001186
inline, Ident. No. 000U107703
powder, Ident. No. 000U107159

Temperature	80 °C (120 °C*)	Inline: 80 °C (120 °C*) Basic – Powder: 150 °C
Viscosity	max. 10.000 mPas	Inline: max. 10.000 mPas Batch: max. 100.000 mPas
Volume min.	approx. 500 ml	500 ml
Volume min. for dispersing	–	Inline: 500 ml
Volume max.	–	2.000 ml
Throughput	10 – 100 l/h	10 – 100 l/h
Vacuum	500 mbar	Inline: 500 mbar Basic – Powder: 10 mbar
Pressure	2,5 bar	All versions 2,5 bar (basic-powder 5 bar with optional high pressure relief valve)
Dispersing	Inline UTL	Inline with DR

€ 7.850,00

**€ 20.400,00 | € 28.900,00 |
€ 20.900,00**

* Continuous operation time max. 15 min



magic LAB® 2000/03



magic PLANT

Exceptional, flexible scalability

/// for your application

IKA guarantees reliable scale-up options because of applying the same approach from R&D to production.



Worldwide service network

/// Direct contact in your region

Our dedicated team of engineers provides comprehensive worldwide technical service. Please feel free to contact IKA directly or your dealer in case of any service questions.

For spare parts IKA guarantees 10 years of availability. In the event of an equipment malfunction or technical questions regarding devices, maintenance and spare parts, please call us at **00 8000 4524357** (00 8000 IKAHELP) or send an eMail to service@ika.de

Customizing Center

We always ensure that our products offer solutions that put you ahead.

If our standard range does not offer the solution you are looking for, please contact our Customizing Center at any time. Our team will check the feasibility and implement your product request.

More information with examples of implemented product change requests can be found here: www.ika.com.



IKA Application Support

Our Application Center spans 400 m² and is equipped with the most modern facilities for presenting and testing laboratory equipment and processes. The Center brings us even closer to our customers and improves our service. If you are interested, you can use our facilities to test processes that include stirring, shaking, dispersing, grinding, heating, analysis and distillation.

Call us on **00 8000 4522777** (00 8000 IKAAPPS) or send an eMail to applicationsupport@ika.de.



Our Application Center covers **400 m²** and offers modern equipment for demonstrating and testing laboratory devices and processes.



Send us your sample. We will run a test with the suitable device – within 48 hours.



We would be happy to help you find the **perfect device** for your application.



Interested individuals and customers can **test processes** including stirring, shaking, dispersing, milling, heating, analyzing and distilling.

Protection class according to DIN EN 60529: IP 40



designed for scientists

EN

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www.ika.com

/// SOCIAL MEDIA



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@IKAworldwide

Prices are valid until October 31, 2018.

All prices exclude VAT.

IKA reserves the right to modify products,
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