

MB 550
MB 800

*Lab-Mixer for
working volumes
up to 4 Lite*

*Homogenizing
and Mixing
Technology for
the Laboratory*

MIXING

DISPERSING

HOMOGENIZING

EMULSIFYING

CRUSHING



KINEMATICA.CH

Dispensing and Mixing Technology

MB 550 / MB 800 - reliable, safe, proven

The systems MICROTRON® MB 550 and MB 800 are specially designed for mixing, dispersing, homogenizing, emulsifying and size reduction of cuttable materials.

Four different attachments made from glass with volumes of 125 ml, 250 ml, 500 ml and 1000 ml are available for the **MICROTRON® MB 550**. Attachments made from stainless steel with volumes of 2000 ml and 4000 ml are available for the **MICROTRON® MB 800**.

Both systems are safety laboratory devices – grounded, double safety isolated, radio screened. A safety system prevents uncontrolled starting and therewith personal injuries - the mixer can only be started with well attached safety hut or lid.

In case the hut or lid will be removed during operation the device will be stopped automatically.

The systems comply with the CE guidelines for industrial machines.

Both systems are designed to withstand high loads; they are space saving and always ready to use.

Further outstanding features:

- powerful drive unit with high temperature safe universal motor with fan
- Safety system
- Electronic speed control
- Stepless speeds adjustable
- Drive socket made from zinc diecasting, chromed
- Soft-Start
- Different mixing attachments
- Blades made from stainless cutlery steel
- CE mark



Technical Data - MB 550



Motor Power, Type	550 W high temperature safe universal motor with fan
Speed control	Stepless electronic speed control with load compensation
Supply Voltage	230V / 50Hz or 100-120V / 60 Hz
Speed max.	600 -14'000 rpm
Noise emission	approx. 72 dB(A) at 14'000 rpm
Ambient	0 - 40°C, max. 95% rel. humidity
Standards	EN 60335-1:1988, EN 60335-2-64:1993, prEN 60335-2-64:1997 EN 55014:1993, EN 55104:1995, EN 61000-3-2:1995, EN 61000-3-3:1995
Protection class	Class I according to standard EN-60335-1
Dimensions (h/ø)	245 mm / 190 mm
Weight	4.4 kg

Technical Data - MB 800



Motor Power, Type	800 W high temperature safe universal motor with fan
Speed control	Stepless electronic speed control with load compensation
Supply Voltage	230V / 50Hz or 100-120V / 60 Hz
Speed max.	500 -17'000 rpm
Noise emission	approx. 79 dB(A) at 14'000 rpm
Ambient	0 - 40°C, max. 95% rel. humidity
Standards	EN 60335-1:1988, EN 60335-2-64:1993, prEN 60335-2-64:1997 EN 55014:1993, EN 55104:1995, EN 61000-3-2:1995, EN 61000-3-3:1995
Protection class	Class I according to standard EN-60335-1
Dimensions (h/ø)	245 mm / 190 mm
Weight	5.3 kg

Further information, Equipment & Order information

Speed control



Thanks to the integrated stepless speed control with load compensation, the powerful drive motor and the speed knob the suitable speed for each application can be chosen. In addition the electronic assures a soft start of the drive unit without bucking and shaking.

Mixing attachments



The mixing attachment MBA 125 to MBA 1000 can easily and completely be disassembled. All parts are dishwasher safe and stainless.

The mixing attachments MBA 2000 and MBA 4000 are made from stainless steel - dishwasher safe. The sturdy lids have an integrated dosing opening. The vessels are stackable for place saving. Highest esthetics, hygiene and durability.

Cutting head



High performance stainless steel cutting heads. The six high-grade blades are designed for optimal mixing. Generally suited for intensive and fast processing, also when processing high demanding products. Whole cutting head is made from stainless steel, can easily be disassembled and cleaned. The two stainless steel ball bearings are sealed twice each. Noiseless and sturdy coupling with dampers. The blades, the sealing and the dampers can easily be exchanged.

Model	MBA 125	MBA 250	MBA 500	MBA 1000	MBA 2000	MBA 4000
						
Description	Mixing attachment with glass vessel with 125 ml working volume incl. cutting head	Mixing attachment with glass vessel with 250 ml working volume incl. cutting head	Mixing attachment with glass vessel with 500 ml working volume incl. cutting head	Mixing attachment with glass vessel with 1000 ml working volume incl. cutting head	Mixing attachment with stainless steel vessel with 2000 ml working volume incl. cutting head and safety lid. Dim.: (h/ø): 260/182 mm	Mixing attachment with stainless steel vessel with 4000 ml working volume incl. cutting head and safety lid. Dim.: 280/240 mm
Model	MBH 125	MBH 250	MBH 500	MBH 1000	MB 550	MB 800
						
Description	Safety hut for MBA 125 Total height approx. 86 mm	Safety hut for MBA 250 Total height approx. 128 mm	Safety hut for MBA 500 Total height approx. 149 mm	Safety hut for MBA 1000 Total height approx. 228 mm	MICROTRON® MB 550 Drive unit. (III. MB550 with a MBA 500 mixing attachment and MBH 500 safety hut - not in the scope of supply)	MICROTRON® MB 800 Drive unit. (III. MB800 with a MBA 2000 mixing attachment - not in the scope of supply)

ORDER INFORMATION

Further Info and Accessories on request

Order Code	Description	Power Supply	Plug	Work. Vol.	Material
36010005	① MICROTRON® MB 550	230 V	EU/CH/UK	-	-
36010010	① MICROTRON® MB 550	100-120 V	US	-	-
36010003	② MICROTRON® MB 800	230 V	EU/CH/UK	-	-
36010004	② MICROTRON® MB 800	100-120 V	US	-	-
36050005	③ MBA 125 - Mixing attachment to MB 550	-	-	125 ml	Glass
36050010	④ MBA 250 - Mixing attachment to MB 550	-	-	250 ml	Glass
36050015	⑤ MBA 500 - Mixing attachment to MB 550	-	-	500 ml	Glass
36050020	⑥ MBA 1000 - Mixing attachment to MB 550	-	-	1000 ml	Glass
36050050	⑦ MBA 2000 - Mixing jar to MB 800	-	-	2000 ml	Stainless steel
36050055	⑧ MBA 4000 - Mixing jar to MB 800	-	-	4000 ml	Stainless steel
36050025	⑨ MBH 125 - Safety hut to MB 550	-	-	-	Acrylic glass
36050030	⑩ MBH 250 - Safety hut to MB 550	-	-	-	Acrylic glass
36050035	⑪ MBH 500 - Safety hut to MB 550	-	-	-	Acrylic glass
36050040	⑫ MBH 1000 - Safety hut to MB 550	-	-	-	Acrylic glass

HOMOGENIZING AND MIXING TECHNOLOGY



A wide range of products with the finest solution for every application, matched by the superior quality of all components make KINEMATICA a world leader for Dispersing and Mixing technology.

With Keen Eyes ...

Development knows no rest at KINEMATICA. Our systems are constantly upgraded to reflect the state-of-the-art technology and the needs of the market. KINEMATICA has always had a keen eye for major advances, as proven by various patents. The rotor/stator principle for dispersing technology was conceived and developed at KINEMATICA and has become the world standard.

... For Your Needs

Applications for Dispersing/Homogenizing Technology are always on the increase. KINEMATICA continually creates new areas of processing applications based on innovations. We do not neglect the human factor as it is exemplified by the safe and comfortable operation and noise reduction of our high-speed systems.

Please, get in touch with us, our local appointed agent or your preferred dealer. We will be pleased to supply more details or arrange a personal demonstration of our POLYTRON® and MEGATRON® systems.

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