



CERTOMAT[®] MO II
For economic benchtop
shaking

CERTOMAT® MO II

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The CERTOMAT® MO II from Sartorius has proven its value in many laboratories worldwide. Due to its small footprint and user-friendly design it is an ideal shaker for every application. In microbiology laboratories the CERTOMAT® MO II is used for cultivation of cells at room temperature. In chemistry it allows to mix various liquids or extract substances using phase separation methods.

For applications requiring temperature control, the CERTOMAT® MO II can be combined with the incubation hoods CERTOMAT® H or HK. This way bacteria or yeast cells can be grown at defined temperatures above or below ambient temperature.

Erlenmeyer flasks, reagent tubes, various bottles or even microtiter plates are fixed on the shaker using clamps, racks or the universal mounting system. Alternatively, Sticky tape can be used to hold light items in place during agitation.

For applications requiring higher load capacities the use of our models CERTOMAT® S II or CERTOMAT® RM is recommended. If your application calls for temperature-controlled shaking our incubation shakers CERTOMAT® IS or CERTOMAT® BS-1 are good options.

Benefits

Small footprint

Sturdy construction

Analog speed and time control

Shaking speed 40–350 rpm

Choice of 12.5 or 25 mm orbit

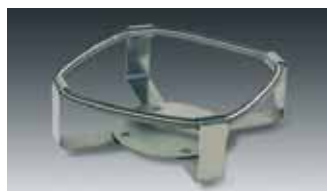
Voltage selector 230 V/115 V, 50–60 Hz

Can be combined with incubation hoods CERTOMAT® H | HK

Compatible with complete range of CERTOMAT® accessories



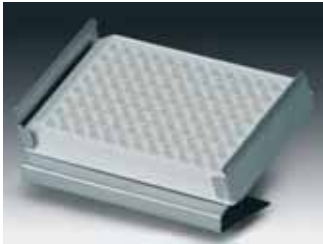
Accessories



Reference	Description
	Tray type E (420×420 mm) equipped with stainless steel clamps for Erlenmeyer flasks
BBI-885 3533	39 clamps for flasks 100 ml
BBI-885 3568	20 clamps for flasks 250 ml
BBI-885 3584	14 clamps for flasks 500 ml
BBI-885 3606	9 clamps for flasks 1,000 ml
	Tray type E (420×420 mm) equipped with plastic clamps for Erlenmeyer flasks
BBI-885 3688	39 clamps for flasks 100 ml
BBI-885 3666	19 clamps for flasks 250 ml
BBI-885 3677	14 clamps for flasks 500 ml
	Universal tray, to be completed with clamps, racks or mounting system
BBI-885 3002	Type EU (420×420 mm)
	Stainless steel clamps for tray type EU
BBI-885 4505	for Erlenmeyer flasks 25 ml (max. 49)
BBI-885 4513	for Erlenmeyer flasks 50 ml (max. 48)
BBI-885 4521	for Erlenmeyer flasks 100 ml (max. 24)
BBI-885 4556	for Erlenmeyer flasks 250 ml (max. 17)
BBI-885 4572	for Erlenmeyer flasks 500 ml (max. 12)
BBI-885 4599	for Erlenmeyer flasks 1,000 ml (max. 8)
BBI-885 4610	for Erlenmeyer flasks 2,000 ml (max. 4)
BBI-885 4629	for Erlenmeyer flasks 3,000 ml (max. 4)
BBI-885 4564	for Fernbach flasks 450 ml (max. 8)
BBI-885 4600	for Fernbach flasks 1,800 ml (max. 4)
BBI-885 4640	for Fernbach flasks 2,800 ml (max. 4)
	Plastic clamps reinforced with glass fibre
BBI-885 4700	for Erlenmeyer flasks 100 ml (max. 24)
BBI-885 4711	for Erlenmeyer flasks 250 ml (max. 17)
BBI-885 4722	for Erlenmeyer flasks 500 ml (max. 12)
BBI-885 4733	for Erlenmeyer flasks 1,000 ml (max. 8)
	Hinged racks for test tubes (4 racks max. on tray EU)
BBI-885 3134	for 64 tubes Ø 14 mm
BBI-885 3142	for 42 tubes Ø 16 mm
BBI-885 3150	for 36 tubes Ø 18 mm
BBI-885 3169	for 33 tubes Ø 20 mm
BBI-885 3185	for 18 tubes Ø 25 mm
BBI-885 3177	for 16 tubes Ø 30 mm
	Hinged racks for centrifugation tubes (4 racks max. on tray EU)
BBI-885 3088	for 42 tubes Ø 16 mm
BBI-885 3096	for 36 tubes Ø 18 mm
BBI-885 3193	for 33 tubes Ø 20 mm
BBI-885 3240	for 16 tubes Ø 30 mm



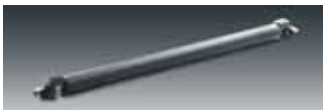
Reference	Description
BBI-886 4497	Sticky tape for universal trays Standard, Width 30 mm, roll of 50 m
BBI-886 0419	Premium, Width 30 mm, roll of 10 m, for repeated use
BBI-886 4470	Anti-skid layer (not shown) 380×450 mm, for individual cut



BBI-885 0321	Holders for microtiter plates, stainless steel for 1 standard 96-well plate or deepwell plate standard plates: max. 12 holders on EU tray deepwell plates: max. 9 holders on EU tray
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BBI-885 4238	Universal mounting system Basic element B-2 for tray EU
BBI-885 4254	Universal clamping rod for basic elements B-2



BBI-886 1005	Shaking flasks, DURAN, Erlenmeyer type, 3 baffles at 120°, straight rim Erlenmeyer flasks 300 ml, pack of 10
BBI-886 1013	Erlenmeyer flasks 500 ml, pack of 10
BBI-886 1021	Erlenmeyer flasks 1,000 ml, pack of 10
BBI-886 1022	Erlenmeyer flasks 2,000 ml, pack of 10



BBI-886 1064	Shaking flasks, DURAN, Erlenmeyer type, 3 baffles at 120°, straight rim, connector GL 14 Erlenmeyer flasks 300 ml, pack of 10
BBI-886 1072	Erlenmeyer flasks 500 ml, pack of 10
BBI-886 1080	Erlenmeyer flasks 1,000 ml, pack of 10



BBI-886 1099	Caps for Erlenmeyer flasks, straight rim Cap Aluminium, pack of 10
BBI-886 1102	Cap Stainless steel, pack of 10



BBI-886 0998	Shaking flasks, DURAN, Erlenmeyer type, 3 baffles at 120°, narrow neck for plug Erlenmeyer flasks 500 ml, pack of 10
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Ordering information and technical specifications

Ordering information

CERTOMAT® MO II version with 12.5 mm orbit 115/230 V/50–60 Hz	BBI-886 0858	CERTOMAT® MO II/12.5 mm
CERTOMAT® MO II version with 25 mm orbit 115/230 V/50–60 Hz	BBI-886 0866	CERTOMAT® MO II/25 mm

Technical specifications

Mechanical Data	Dimensions Weight (without tray) Housing Drive mechanism Trays, type size Tray fixation Max. load Protection	W x H x D = 430 x 123 x 400 mm 31 kg Steel construction Brushless motor, triple eccentric drive Type E EU (420 x 420 mm) By screws 10 kg IP21
Electrical data	Connection Protection class Line voltage Amperage Fuses Interference	Class I cold socket, separate cable approx. 3 m I 230 V 50 Hz or 115 V 60 Hz, adjustable 0.8 A at 230 V, 1.6 A at 115 V 2 x T1.0 A at 230 V, 2 x T2.0 A at 115 V class N according to EN 55014-2
Operating data	Mode of shaking Shaking speed Accuracy Setting of speed Timing Ambient temperature Humidity	Orbital, Ø 12,5 mm or 25 mm, according to version 40 to 350 rpm max. ±5% of final value By potentiometer 0 to 120 minutes and continuous, mechanical timer +10 °C to + 60 °C Avoid extreme humidity

All instruments are delivered without tray and other accessories.

For growing cells or mixing liquids, a tray is needed together with additional accessories to hold shaking flasks, separation funnels or tubes.

Sales and Service Contacts

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