



CERTOMAT<sup>®</sup>  
Benchtop shaker with  
magnetic drive

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## CERTOMAT® R Bench top shaker with magnetic drive

The strong magnetic drive of this benchtop shaker makes it an optimal tool for nearly all shaking work in a lab.

The CERTOMAT® R is a proven construction designed for long life without wear and tear. The powerful magnetic drive with micro-processor control stands for a quiet run.

The shaking speed is set by up and down keys. A LED indicates the actual value.

The memory function allows to re-establish the last set-point after power failure and restoration. Optical and acoustic alert in case of malfunction.

Numerous types of trays with fixed clamps and two sizes of universal trays for individual mounting of many different accessories cover nearly all needs.

Safe and fast fixation of the tray by means of a lever makes the change of trays easy.

In combination with the incubation hood CERTOMAT® H, the CERTOMAT® R can be used for temperature-controlled experiments from ambient +8 °C to 60 °C.

The version with cooling coil, CERTOMAT® HK, allows temperatures down to 10 °C in connection with an external cooling unit.

### Benefits

Silent run

Strong magnetic drive

Memory function

Safe and quick tray fixation by fixing lever

Maintenance-free and long life

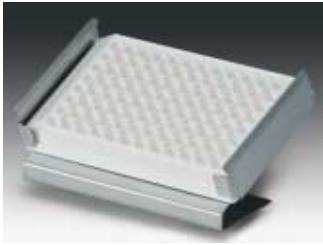


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## Accessories



Reference	Description
	<b>Tray type E (420×420 mm) equipped with stainless steel clamps for Erlenmeyer flasks</b>
885 3533	39 clamps for flasks 100 ml
885 3568	20 clamps for flasks 250 ml
885 3584	14 clamps for flasks 500 ml
885 3606	9 clamps for flasks 1,000 ml
	<b>Tray type E (420×420 mm) equipped with plastic clamps for Erlenmeyer flasks</b>
885 3688	39 clamps for flasks 100 ml
885 3666	19 clamps for flasks 250 ml
885 3677	14 clamps for flasks 500 ml
	<b>Tray type F (800×420 mm) equipped with stainless steel clamps for Erlenmeyer flasks</b>
885 3738	74 clamps for flasks 100 ml
885 3762	40 clamps for flasks 250 ml
885 3789	26 clamps for flasks 500 ml
885 3800	15 clamps for flasks 1,000 ml
	<b>Universal tray to be completed with clamps, racks or mounting system</b>
885 3002	Type EU (420×420 mm)
885 3037	Type FU (800×420 mm)
	<b>Stainless steel clamps for Erlenmeyer and Fernbach flasks</b> (maximum number of clamps for tray type EU/type FU)
885 4505	for flasks 25 ml (max. 49/98)
885 4513	for flasks 50 ml (max. 48/96)
885 4521	for flasks 100 ml (max. 24/48)
885 4556	for flasks 250 ml (max. 17/39)
885 4572	for flasks 500 ml (max. 12/26)
885 4599	for flasks 1,000 ml (max. 8/17)
885 4610	for flasks 2,000 ml (max. 4/9)
885 4629	for flasks 3,000 ml (max. 4/8)
885 4637	for flasks 5,000 ml (max. 2/6)
885 4564	for Fernbach flasks 450 ml (max. 8/15)
885 4600	for Fernbach flasks 1,800 ml (max. 1/6)
885 4640	for Fernbach flasks 2,800 ml (max. 1/6)
	<b>Plastic clamps reinforced with glass fibre</b> (maximum number of clamps for tray type EU/type FU)
885 4700	for flasks 100 ml (max. 24/48)
885 4711	for flasks 250 ml (max. 18/39)
885 4722	for flasks 500 ml (max. 12/26)
885 4733	for flasks 1,000 ml (max. 8/17)
	<b>Hinged racks for test tubes</b> (4 racks max. on tray EU, 8 racks max. on tray FU)
885 3134	for 64 tubes Ø 14 mm
885 3142	for 42 tubes Ø 16 mm
885 3150	for 36 tubes Ø 18 mm
885 3169	for 33 tubes Ø 20 mm
885 3185	for 20 tubes Ø 25 mm
885 3177	for 16 tubes Ø 30 mm
	<b>Hinged racks for centrifugation tubes</b> (4 racks max. on tray EU, 8 racks max. on tray FU)
885 3088	for 42 tubes Ø 16 mm
885 3096	for 36 tubes Ø 18 mm
885 3193	for 33 tubes Ø 20 mm
885 3240	for 16 tubes Ø 30 mm



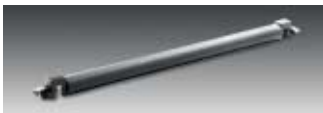
Reference	Description
885 0321	<b>Holders for microtiter plates, stainless steel</b> for 1 standard 96-well plate or deepwell plate standard plates: max. 12 holders on EU tray, 21 holders on FU tray deepwell plates: max. 9 holders on EU tray, 18 holders on FU tray



886 4497	<b>Sticky tape for universal trays</b> Standard, Width 30 mm, roll of 50 m
886 0419	Premium, Width 30 mm, roll of 10 m, for repeated use



886 4470	<b>Anti-skid layer (not shown)</b> 380x450 mm, for individual cut
885 4238	<b>Universal mounting system</b> Basic element type B-2 for tray EU
885 4246	Basic element B-3 for tray FU
885 4254	Clamping rod, type U for mounting systems B-2 and B-3



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



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



886 1099	<b>Caps for Erlenmeyer flasks, straight rim</b> Cap Aluminium, pack of 10
886 1102	Cap Stainless steel, pack of 10



886 0998	<b>Shaking flasks, DURAN, Erlenmeyer type,</b> <b>3 baffles at 120°, narrow neck for plug</b> Erlenmeyer flasks 500 ml, pack of 10
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## Technical Data

### Ordering data (without tray and other accessories)

230 V/50–60 Hz	886 3024	CERTOMAT® R
115 V/50–60 Hz	886 0130	CERTOMAT® R

### Technical data

Mechanical	Shaking speed: Deviation of speed: Shaking mode: Amplitude:	40 to 350 rpm (E/EU tray) 40 to 250 rpm (F/FU tray) ±1% of max. value orbital 25 mm
Drive	Drive: Control:	magnetic drive via microprocessor
Trays	Recommended trays: Maximal load: Tray fixation:	E/EU (420×420 mm) F/FU (420×800 mm) all trays with accessories out of Sartorius-program by locking handle
Operation	Adjustment: Indication:	membrane key pad alphanumeric LED
Safety	Memory function: Alarm:	automatic restart after power failure acoustic in case of malfunction
Environmental conditions	Admissible temperature: Relative humidity:	from +10 °C to +60 °C from 10% to 90% not condensing
Electrical	Power supply:	230 V/50–60 Hz   115 V/50–60 Hz
Dimensions	(W × H × D): Weight (without tray):	480×130×520 mm 40 kg

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