focus
instruments

EQUiTEC

SHAKERS
MIXERS
MILLS
BATH CRYOSTATS
THERMOSTATIC BATHS

Model	OM10E
Reference	10000-01024

Shaking

Max. load (Kg)	10
Amplitude (mm)	10
Speed range (rpm)	50-400
Resolution (rpm)	5
Timer (min)	0-120

General data

Useful surface (mm)	350 x 400
Dimensions (mm)	410 x 570 x 140

FEATURES

- Speed adjustable, controlled by microprocessor.
- Constant speed independently of the load.
- Smooth and progressive start and stop, independently of the selected speed.
- Digital display LCD backlighted indicating the selected and actual speed and timer (with audible alarm).

- Membrane push-button control.
- Automatic restart after unexpected shut down keeping the same parameters as before the incident. An incident sign appears on the display.
- Quiet operation. Suitable for continuous running.

Model	OL30-ME	OL30-HE
Reference	10000-01011	10000-01051

Shaking

Max. load (Kg)	25	
Amplitude (mm)	30	
Speed range (rpm)	30-220	
Resolution (rpm)	5	
Timer (min)	0-120	

General data

	Standard	Brushless (long-term, for continuous running)
Useful surface (mm)		
Useful surface (mm)	350 x 400	
Dimensions (mm)	410 x 570 x 140	

FEATURES

- Speed adjustable, controlled by microprocessor.
- Constant speed independently of the load.
- Smooth and progressive start and stop, independently of the selected speed.
- Digital display LCD backlighted indicating the selected and actual speed and timer (with audible alarm).

- Membrane push-button control.
- Automatic restart after unexpected shut down keeping the same parameters as before the incident. An incident sign appears on the display.
- Quiet operation. Suitable for continuous running.

Description	**UNIVERSAL PLATFORM**
Reference	20000-00041
Comment	350 x 400 mm. With 5 rollers. To fix flask, precipitation vessels, bottles, grids of test tubes, etc.

Description	**DOUBLE UNIVERSAL PLATFORM**
Reference	20000-00131
Comment	350 x 400 mm. Same as the previous one, but with 2 shelves and 10 rollers.

Description	**NON-SLIPPING PLATFORM**
Reference	20000-00084
Comment	350 x 400 mm. Suitable for Petri dishes, plates small containers, etc.
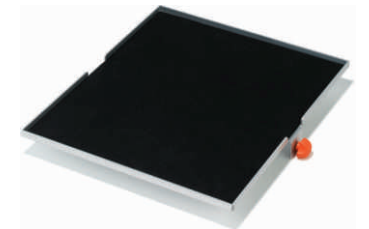
Description	**DOUBLE NON-SLIPPING PLATFORM**
Reference	20000-00157
Comment	350 x 400 mm. Same as the previous one, but with 2 shelves.

Description	**PLATFORM***
Reference	20000-00040
Comment	For fastening erlenmeyer flask clips. * Another version available for magnet fastening of the clips, for more free conguration of the clip. Ask for the references.
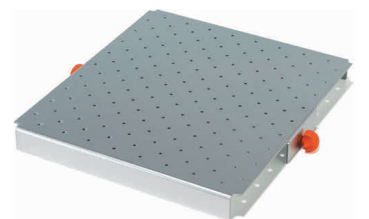
Description	**ERLENMEYER FLASK CLIPS***
Reference	20000-00046 / 50 ml. (30 u/) - 20000-00047 / 100 ml. (20 u/) 20000-00048 / 250 ml. (12 u/) - 20000-00049 /500 ml. (9 u/) 20000-00099 / 1.000 ml. (6 u/)
Comment	* Another version available for magnet fastening of the clips, for more free conguration of the clip. Ask for the references.

Description	**PLATFORM FOR SEPARATING FUNNELS**
Reference	20000-00044
Comment	For 5 separating funnels of 250 cc, 5 separating funnels of 500 cc or 3 separating funnels of 1.000 cc.

SWING 3D

3D digital rocking mixer

SW8-3DE

Model	SW8-3DE
Reference	10000-01028

Shaking

Max. load (Kg)	5
Amplitude (mm)	+/-8° (in all the planes, 3D)
Speed range (rpm)	5-50
Resolution (rpm)	1
Timer (min)	0-120

General data

Useful surface (mm)	290 x 260
Dimensions (mm)	340 x 400 x 125

FEATURES

- Rocking movement in all the planes, 3D effect.
- Speed adjustable, controlled by microprocessor.
- Constant speed independently of the load.
- Smooth and progressive start and stop, independently of the selected speed.
- Digital display LCD backlighted indicating the selected and actual speed and timer (with audible alarm).

- Membrane push-button control.
- Automatic restart after unexpected shut down, keeping the same parameters as before the incident. An incident sign appears on the display.
- Non-slipping surface.
- Quiet operation. Suitable for continuous running.

BATH CRYOSTAT

Refrigerated digital recirculating bath

BC10E

Model	BC10E
Reference	10000-01116

Thermostatization

Max. load (l)	12
T range (°C)	-10 -100
Resolution (°C)	0,1
Stability (°C)	+/- 0,1

General data

Tank material	Stainless steel AISI 304
Inner Dimensions (mm)	250 x 130 x 150
External Dimensions (mm)	500 x 450 x 570

Note: for other sizes or other temperatures (until -40°C), ask for it.

FEATURES

- Temperature controlled by microprocessor, with integrated high precision Pt100 sensor, and ARA V2 algoritnm of temperature regulation with "fuzzy logic" control.
- Inner tank made of stainless steel AISI 304, and metallic housing protected with an Epoxi paint of great resistance to corrosion.
- Digital display LCD backlighted with indicating of the selected and real value of temperature.

- Membrane push-button control.
- CFC free compressor of 1/5 HP, noiseless and without vibration.
- Circulation pump (6 l/min) (max. pressure 200 mbar).
- External faucets for external thermostatization.
- Automatic restart after unexpected shut down, keeping the same parameters as before the incident. An incident sign appears on the display.

- External faucets for external thermostatization.
- Safety thermostat cut out indicator lamp. The unit will cut out if there is insufficient liquid or if the temperature exceeds the maximum temperature.

ROLLERMIX

Rotatory and oscillating mixer with rollers
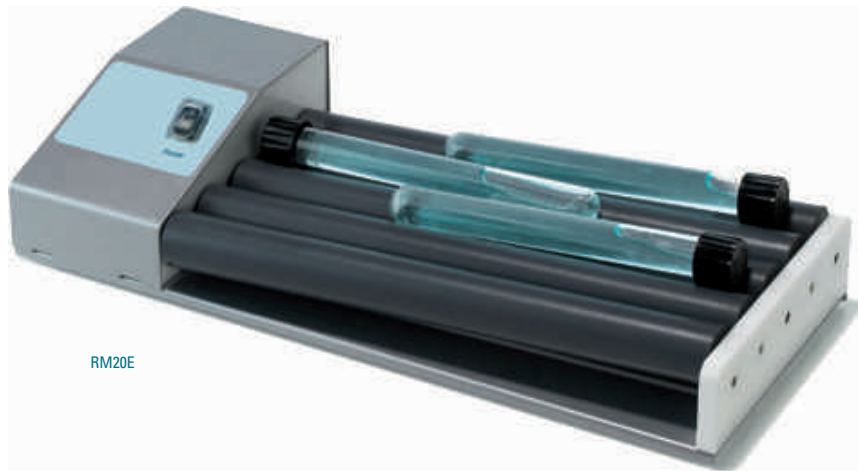
Model	RM20E
Reference	10000-01009

Mixing

Inclination angle*	0°-90°
Speed range (rpm)	20 (fix)

General data

Length of rollers (mm)	320
Dimensions (mm)	450 x 190 x 80

* Can be ordered without oscillation movement.

RM20E

FEATURES

- Mixer with simultaneous double rotative-oscillating movement for test tubes, bottles and closed containers.
- Fix rotation speed.
- Five agitation rollers forming four available rails.

- Geared synchronisation with no wear.
- Brushless motor with unblocking system by clutch.
- Quiet operation, suitable for continuous running.

ROLLERMIX D

Digital rotatory and oscillating mixer with rollers

Model	RM120-DE
Reference	10000-01071

Mixing

Inclination angle*	+/-4°
Speed range (rpm)	20-150
Resolution (rpm)	5
Timer (min)	0-120

General data

Length of rollers (mm)	320
Dimensions (mm)	550 x 190 x 80

* Can be ordered without oscillation movement.
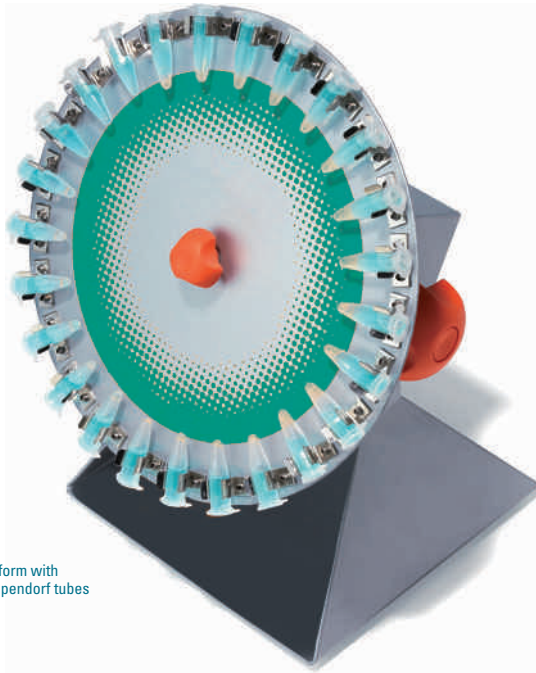
RM120-DE

FEATURES

- Mixer with simultaneous double rotative-oscillating movement for test tubes, bottles and closed containers.
- Speed adjustable, controlled by microprocessor.
- Five agitation rollers forming four available rails.
- Digital display LCD backlighted indicating the selected and actual speed and timer (with audible alarm).
- Membrane push-button control.

- Geared synchronisation with no wear.
- Brushless motor with unblocking system by clutch.
- Automatic restart after unexpected shut down, keeping the same parameters as before the incident. An incident sign appears on the display.
- Quiet operation, suitable for continuous running.

NORIA
Rotatory mixer

Model	N 12E
Reference	10000-01013

Shaking	
Angle of slope (mm)	0°-90°
Speed range (rpm)	12 (fix)

General data	
Dimensions (mm)	320 x 260 x 200

N12E + disc platform with
clamps for 25 Eppendorf tubes

FEATURES

- For rotary agitation, for tubes from 6 to 35 mm diameter.
- Fix rotation speed.
- Allow placement and removal of the tubes without stop the instruments.
- Completely adjustable slope from 0° to 90°.

- Security clutch allows to stop rotary motion with the hand without problems.
- Antiscratching surface with chemical resistant coating.
- Suitable for continuous running.

NORIA R
Rotatory mixer
adjustable

Model	NR50E
Reference	10000-01062

Shaking	
Angle of slope (mm)	0°-90°
Speed range (rpm)	5-50

General data	
Dimensions (mm)	320 x 260 x 200
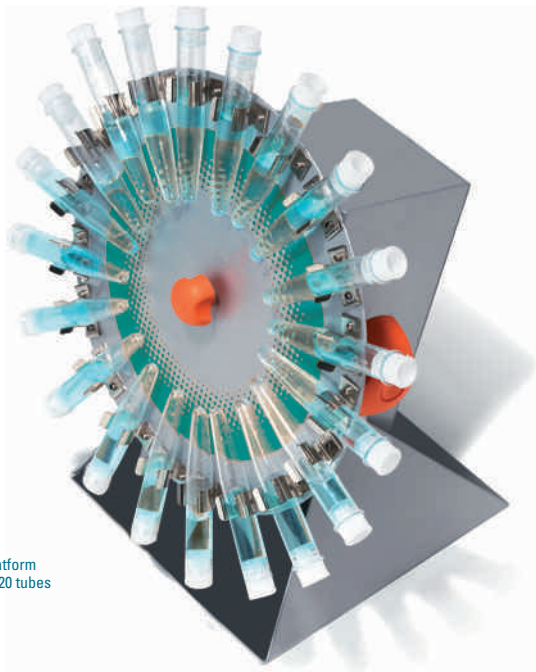
NR50E + disc platform
with clamps for 20 tubes

FEATURES

- For rotary agitation, for tubes from 6 to 35 mm diameter.
- Rotation speed adjustable by means of a potentiometer, controlled by microprocessor.
- Allow placement and removal of the tubes without stop the instruments.
- Completely adjustable slope from 0° to 90°.

- Smooth and progressive start and stop.
- Security clutch allows to stop rotary motion with the hand without problems.
- Antiscratching surface with chemical resistant coating.
- Suitable for continuous running.

| Description	DISC PLATFORM WITH CLAMPS FOR:
Reference	20000-00093 **25 tubes Ø 6-7 mm** 20000-00094 **25 tubes Ø 8-9 mm** 20000-00095 **25 tubes Ø 10-11 mm Eppendorf** 20000-00133 **20 tubes Ø 12-13 mm** 20000-00134 **20 tubes Ø 14-15 mm** 20000-00135 **20 tubes Ø 16-17 mm** 20000-00136 **19 tubes Ø 18-19 mm** 20000-00137 **16 tubes Ø 20-21 mm** 20000-00138 **14 tubes Ø 22-23 mm** 20000-00139 **14 tubes Ø 24-25 mm** 20000-00140 **14 tubes Ø 27-30 mm** 20000-00141 **10 tubes Ø 32-35 mm**
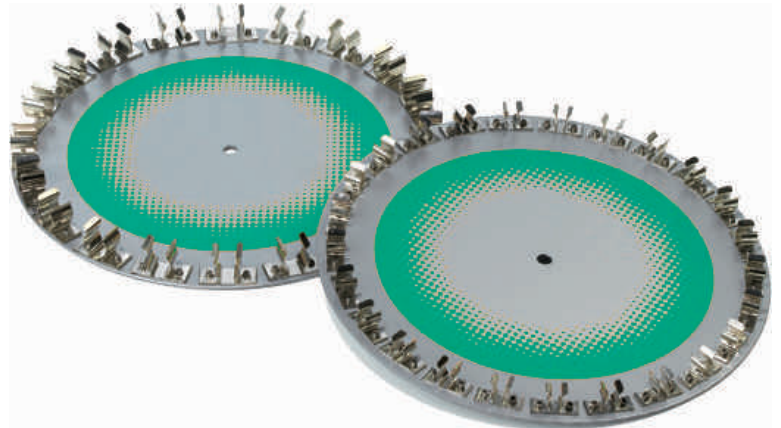
Description	RACKS FOR:
Reference	20000-00051 **60 culture tubes Ø 12-13,5 mm** 20000-00052 **36 centrifuge tubes 15 ml Ø 16-17,5 mm** 20000-00053 **20 centrifuge tubes 50 ml Ø 29-31 mm** 20000-00096 **60 tubes Eppendorf from 0.5 to 2 ml**

BATH D
Digital thermostatized bath

B112-DE + thermometer
and support

B245-DE + support
for tube racks + tube racks

Model	Reference	Max. vol. (l)	T. range (°C)	Resolution (°C)	Tank material	Useful dim. (mm)	Ext. dim. (mm)
B105-DE	10000-01109	5				300 x 150 x 130	330 x 180 x 300
B112-DE	10000-01110	12	Amb. T + 5 -100	0,1	Stainless steel AISI 304	330 x 300 x 130	360 x 330 x 300
B120-DE	10000-01111	20				500 x 300 x 130	530 x 330 x 300
B145-DE	10000-01112	45				620 x 500 x 130	650 x 530 x 300
B205-DE	10000-01120	5				300 x 150 x 130	330 x 180 x 300
B212-DE	10000-01121	12	Amb. T + 5 -200	0,1	Stainless steel AISI 304	330 x 300 x 130	360 x 330 x 300
B220-DE	10000-01122	20				500 x 300 x 130	530 x 330 x 300
B245-DE	10000-01123	45				620 x 500 x 130	650 x 530 x 300

FEATURES

- Temperature controlled by microprocessor; with digital electronical regulation, for water or oil.
- Double skinned tank, inner tank made of stainless steel AISI 304 and metallic housing protected with Epoxi of great resistance to agressive surroundings.
- Heating resistance of special alloy of stainless steel, heat and corrosion resistant.
- Digital display LCD backlighted showing the the selected and actual temperature.

- Integrated timer that allows (if needed) a programmed start during the next 24 hours.
- Membrane push-button control.
- Double safety thermostat:
  - The unit will cut out if there is insufficient liquid or if the temperature exceeds the maximum temperature.
  - Safety automatic disconnection with acoustic alarm that prevents overheating from the programmed temperature.

- Indication on the display of high temperature on the tank, that provides protection against burn.
- Automatic restart after unexpected shut down, keeping the same parameters as before the incident. An incident sign appears on the display.
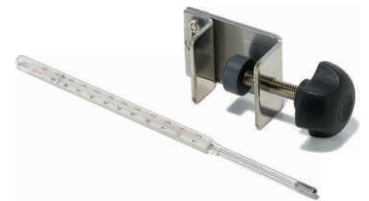
Description	COVER WITH DISC ADAPTERS		
Reference	20000-00100	20000-00101	20000-00102
Comment	With 2 disc adapters. For baths of 5 l.	With 4 disc adapters. For baths of 12 l.	With 6 disc adapters. For baths of 20 l or 2 units for baths of 45 l.

Description	CONSTANT LIQUID LEVEL*
Reference	20000-00111
Comment	For water baths *Order together with the bath (it has to be mounted in the factory).

Description	THERMOMETER AND SUPPORT
Reference	20000-00120
Comment	Max T 100º C

Description	SET OF DISC ADAPTERS
Reference	20000-00189

Description	COVER OF STAINLESS STEEL FOR BATHS			
Reference	20000-00105	20000-00106	20000-00107	20000-00108
Comment	For baths of 5 l.	For baths of 12 l.	For baths of 20 l.	For baths of 45 l.

Description	SUPPORT FOR TUBE RACKS		
Reference	20000-00161	20000-00162	20000-00163
Comment	For baths of 5 l.	For baths of 12 l.	For baths of 20 l or 2 units for baths of 45 l.

Description	TUBES RACKS		
Reference	20000-00164	20000-00165	20000-00166
Comment	For 36 tubes. Ø 13 mm.	For 24 tubes. Ø 16 mm.	For 24 tubes. Ø 20 mm.

BATH SHAKER C

Refrigerated digital bath with horizontal shaking

BSC127E + universal support

Model	BSC127E
Reference	10000-01136

Shaking

Max. vol. (l)	27
T range (°C)	10 - 100
Speed range (°C)	0,1

Shaking

Amplitude (mm)	40
Speed range (rpm)	10 - 100
Resolution (rpm)	5

General data

Tank material	Stainless steel
Inner dimensions (mm)	350 x 260 x 170
Ext. dimensions (mm)	850 x 400 x 400

FEATURES

- Temperature and speed controlled by microprocessor, by means of an integrated Pt100 sensor, with ARA V2fuzzy logic algorithm for temperature control of high precision.
- Mobile inner tank made of stainless steel AISI 304, and metallic housing protected with an Epoxi paint of great resistance to corrosion.
- Digital display LCD backlighted with indication of the selected an real value of temperature and speed.
- Membrane push-button control.

- CFC free compressor of 1/5 HP, noiseless and without vibration.
- Safety thermostat cut out indicator lamp.
- The unit will cut out if there is insufficient liquid or if the temperature exceeds the maximum temperature.
- Automatic restart after unexpected shut down keeping the same parameters as before the incident. Ain incident sign appearson the display.

A C C E S O R I E S

Description	COVER OF S. STEEL
Reference	20000-00110
Comment	For baths of 27 l.

Description	UNIVERSAL SUPPORT
Reference	20000-00142
Comment	With 5 rollers

Description	ERLENMEYER FLASK CLIPS
	20000-00046 50 ml. (max. 16 units)
	20000-00047 100 ml. (max. 12 units)
Reference	20000-00048 250 ml. (max. 11 units)
	20000-00049 500 ml. (max. 5 units)
	20000-00099 1.000 ml. (max. 3 units)

Description	SUPPORT PLATTORM FOR ERLENMEYERS
Reference	20000-00132

Description	FASTENING SPRINGS (set of 2)
Reference	20000-00043
Comment	For fix vessels, flasks, etc.

BALL MIXER MILL EQM-400
Programmable speed

Model	EQM-400
Speed	100 to 2.000 shakes/min
Programs	5 independent programs
Timer range	0 - 100 min
Power supply	AC 230 V - 150 W
Weight	13 Kg
Display	LED
Dimensions (mm)	315 x 240 x 350 mm

	BALLS			
Jars	10 mm Ø	15 mm Ø	20 mm Ø	25 mm Ø
25 ml	2 to 4	2 to 4	1 to 2	-
50 ml	6 to 8	4 to 6	1 to 2	1

FEATURES

- Crush, blend and homogenize.
- Reduce the grain size to 10 µ.
- Up to 15 g of sample.
- Only in 1 to 4 minutes.

- Two samples simultaneously.
- 5 working programs.
- Comfortably digital display.
- Easy and safe assembly.

- Stop working door's switch.
- microprocessor's controlled.
- User friendly.
- Accepts a wide range of samples

ACCESORIES

Description	VIEW OF JARS AND BALLS
Comment	Mill accessories must be ordered separately according to the needs of end grain size and the type of sample.

EQUiTEC

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