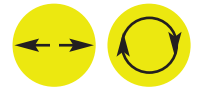




Orbital and linear motion shaker "Rotaterm"

WITH HEATED PLATFORM TOP PLATE.
ELECTRONIC DIGITAL SPEED AND TEMPERATURE DISPLAY.
INCLUDES A SAFETY OVER TEMPERATURE DEVICE.
TEMPERATURE STABILITY ± 1 °C.



2 in 1 System suitable for orbital or linear motion

FEATURES

Adjustable temperature range from ambient +5 °C. to 250 °C.
Electronic 3 digit temperature display, monitored by a Pt 100 temperature probe.
Resolution: 1 digit.
Electronic digital speed control from 20 to 230 oscillations per minute and timer from 1 to 999 minutes or continuous operation.
Adjustable oscillation amplitude: 15 or 20 mm.
Choice of: orbital or linear motion.
Epoxy covered external casing.
Aluminium top plate platform with evenly distributed heater elements.
The upper platform is made of AISI 304 stainless steel with adjustable tensile spring clips that allow all kinds of glassware, flasks, Erlenmeyer flasks, racks, etc. to be held in position.
Digital calibration temperature circuit.



Part No 3000435 with platform and tensile spring clips.

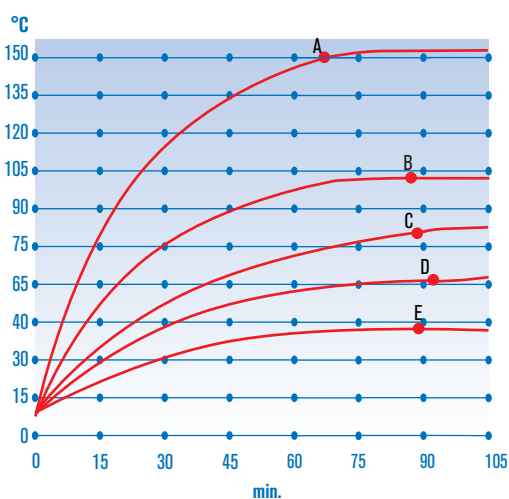
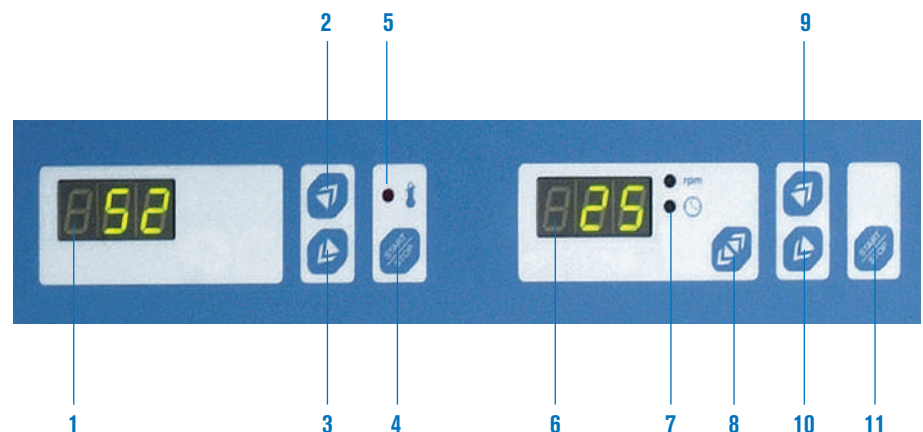
CONTROL PANEL

Temperature control.

1. Digital temperature display.
2. Push button increase temperature.
3. Push button reduce temperature.
4. Push button start-stop heater.
5. Over temperature alarm.

Temperature and speed control.

6. Digital display of oscillation per minute and time (in minutes).
7. Displayed parameter.
8. Push button select displayed parameter, speed or time function.
9. Push button increase parameter value.
10. Push button decrease parameter value.
11. Push button start-stop shaker.



MODEL

Part No.	Platform	Width /Depth (platform) cm	Height / Width /Depth (exterior) cm	Power W	Weight Kg
3000435	Spring clip	41 31	30 46 38	2300	32

Diagram of Temperature Vs Time.
For 500ml Erlenmeyer flasks.
A. Plate to 250 °C: Silicon 150 °C.
B. Plate to 200 °C: H₂O 97 °C.
C. Plate to 150 °C: H₂O 82 °C.
D. Plate to 100 °C: H₂O 61 °C.
E. Plate to 50 °C: H₂O 37 °C.



Orbital and horizontal shaker "Rotabit"

ELECTRONIC DIGITAL CONTROL OF SPEED AND RUN TIME.



2 in 1 system, versatile orbital and horizontal shaker

FEATURES

Speed control from 20 to 230 oscillations per minute with timer from 1 to 999 minutes or continuous operation.
 Shaking amplitude of: 15 and 20 mm.
 Choice of orbital movement or a horizontal "To and Fro" motion.
 Load capacity: till 30 Kg
 Easy to interchange platforms, see accessories for platform selection.
 Epoxy covered outer casing.

CONTROL PANEL

1. Digital display showing oscillations and time.
2. Displayed parameter.
3. Push button, select parameter function, speed or time.
4. Push button increase parameter value.
5. Push button reduce parameter value.
6. Push button Start- Stop.



MODEL

Part No.	Control oscillations p.m.	Height / Width / Depth (exterior) cm	Power W	Load capacity Kg	Weight Kg
3000974	20 - 230	20 42 43	80	30	13.5

This shaker can be coupled to the "Boxcult" incubation chamber with platform Part No. 3000975 (see page 38).

NOTE: This shaker has multiple options and accessories, a flow chart for easy selection of the accessories can be found at the end of this section.

ACCESSORIES

Universal platforms with non-slip surface with four adjustable silicon covered retaining bars suitable for all types of glassware, Erlenmeyer flasks, etc. to be held in position.

Part No.	Height / Width/ Depth (exterior) cm	Weight Kg
3000975	9 42 35	5
3000976	9 70 35	7



Platform Part No. 3000975



Platform Part No. 3000976

Base for Erlenmeyer flask clips.

Made from AISI 304 stainless steel with multi-adapter location holes to support Erlenmeyer flask clips. Capacities 50, 100, 250, 500 and 1000 ml.

Part No.	For platform number Part No.	Width /Depth (platform) cm	Capacity, No. of positions					Weight Kg
			50 ml	100 ml	250 ml	500 ml	1000 ml	
3000977	3000975	40 34	36	25	16	9	5	1.5
3001010	3000976	69 34	66	45	21	18	10	2,2

Erlenmeyer flasks spring clips.

Made with tempered stainless steel.

Part No.

- 1001003** Adapter for 50 ml.
- 1000978** Adapter for 100 ml.

- 1000979** Adapter for 250 ml.
- 1000980** Adapter for 500 ml.
- 1000981** Adapter for 1000 ml.



ACCESSORIES



Orbital To & Fro shaker "Rotabit" complete with accessory. "Boxcult" incubation chamber.

Incubation chamber "Boxcult"

The "Boxcult" can be fitted onto the "Rotabit", Part No. 3000974, with the universal platform, (SMALL) Part No. 3000975. Forced air fan circulation. Adjustable temperature, ambient +5 °C to 57 °C. Homogeneity ±2.5% Stability ±0.5% Built of transparent Perspex, access is through a wide hinged front door which provides easy access for loading and unloading. Samples can be viewed without opening the incubator maintaining a constant homogeneous temperature.

Part No.	Height / Width / Depth (interior) cm			Height / Width / Depth (exterior) cm			Power W	Weight Kg
3000957	50	47	47	61	51	51	220	11

See incubator section for more details (page 129).

Set of 5 reduction rings adapters for separating flasks of 50 to 100 ml. Part No. **6000620**

Separating funnel device.

Two positions, for mixing Horizontal to Vertical for easy decanting. Capacity: 5 separating funnels of 250 to 500 ml or 2 funnels of 1000 ml. Part No. **6000619**

This accessory can only be fitted to the platform Part No. 3000976. The "Rotabit" Part No. 3000974 and platform need to be ordered separately.

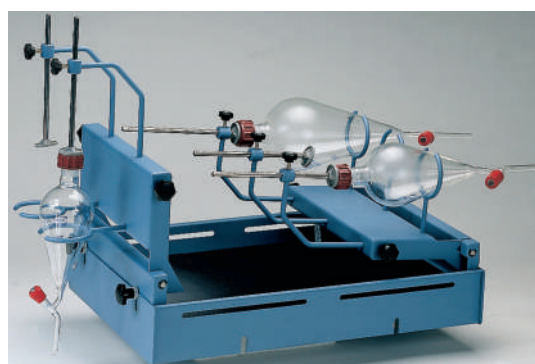


Double platform part no 3001011, with shaker Part No. 3000974

Double platform.

Two levels. Fits onto the "Rotabit" Part No. 3000974. Complete with anti slide mats and four support bars that support the upper level. Each platform has four silicon clamping bars.

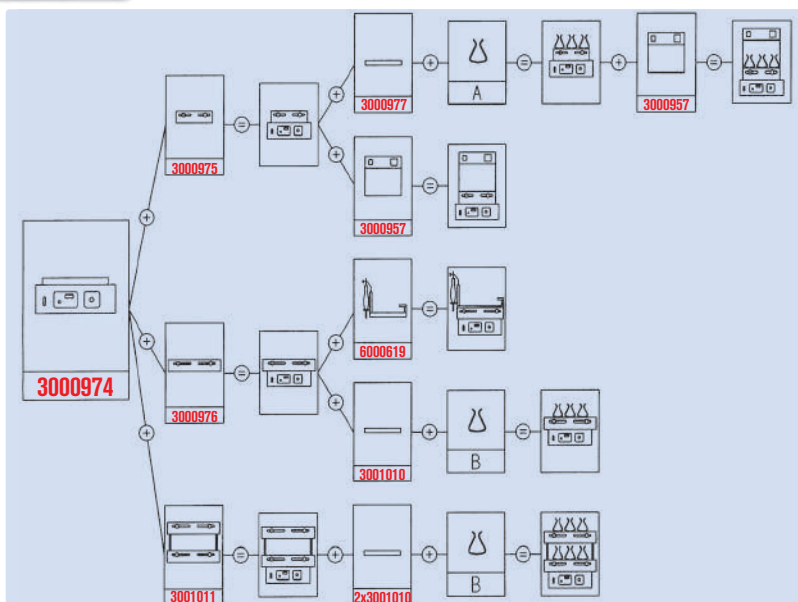
Part No.	Width / Depth (platform) cm		Total combined height cm
3001011	55	35	40



Separating funnel decanting accessory Part No. 6000619 Fits onto platform Part No. 3000976.



Flow diagram of the selection of accessories for the "Rotabit" To & Fro Orbital Shaker



SUITABLE FOR Erlenmeyer			
Capacity	Part No.	A	B
50 ml	1001003	36	48
100 ml	1000978	25	30
250 ml	1000979	16	20
500 ml	1000980	9	12
1000 ml	1000981	5	8