

ROCKERS | ROTATORS | SHAKERS



Replicators pg. 2



Tap Dancer pg. 2



Microjive pg. 3



Jitterbug pg. 3



Flask Dancer pg. 4



Groovin' Tubes pg. 5



Mini Orbitron pg. 6



Rocker II pg. 6



Orbitron I pg. 7



Orbitron II pg. 7



Orbitron III pg. 8

Boekel Microplate Replicators

FEATURES

- Pins are made of stainless steel for durability, autoclaving and flame sterilization
- Economical substitute for expensive robotics systems
- Models 140500 and 140501 include an alcohol reservoir and cleaning pads for debris removal



SPECIFICATIONS

Catalog No.	Product Dimensions W x D x H	Net Weight	Shipping Weight	Pin Length	Pin Size	Pin Design
96 Pin Replicator Model 140500	11 cm x 7.6 cm x 11 cm (4.5" x 3" x 4.5")	0.6 kg (1.25 lbs)	1.5 kg (1.75 lbs)	2.54 cm (1")	1.55 mm x 1.55 mm (0.0625" x 0.0625")	Flat, square
48 Pin Replicator Model 140501	11 cm x 7.6 cm x 11 cm (4.5" x 3" x 4.5")	0.45 kg (1 lbs)	0.7 kg (1.75 lbs)	2.54 cm (1")	1.55 mm x 1.55 mm (0.0625" x 0.0625")	Flat, square
384 Pin Replicator Model 140384	12.8 cm x 8.5 cm x 12.3 cm (5" x 3.75" x 4.75")	0.6 kg (1.25 lbs)	0.9 kg (2 lbs)	2.2 cm (1")	0.019 cm dia. (0.05")	Flat, square
Template Model 140384T1	15.1 cm x 11 cm x 6.6 cm (6" x 4.25" x 2.5")	0.6kg (1.25 lbs)	0.9 kg (2 lbs)	NA	NA	NA

Boekel Tap Dancer Mini Tube Vortex Mixer

FEATURES

- Compact, with low profile and small footprint
- Pressure sensitive cup
- Continuous or touch operation
- Rubber suction pads prevent walking, absorb vibration
- Low voltage supply for safe cold room use
- 2 year warranty
- Power pac is UL, CSA and CE approved



SPECIFICATIONS

Catalog No. 270100	Tap Dancer - Vortex Mixer
Speed	300 to 6000 rpm/ continuous or burst
Orbit	2 mm
Tube diameter (maximum)	20 mm
Ambient Operating Temperature Range	+4°C to +45°C
Product Dimensions W x D x H	105 mm x 150 mm x 85 mm (4.13" x 5.9" x 3.35)
Power	12 V dc, 0.5 A via 115/ 230 V AC adapter

Boekel Microjive Microplate Shakers

FEATURES

- Compact with low profile and small footprint
- Reliable, regulated shaking for two or four microplates
- Simple screw attachments allow quick and easy fitting of any standard depth 96- or 384-well plates, holding the plates securely in place
- 2 year warranty
- Power pac is UL, CSA and CE approved

ACCESSORIES

Catalog No.	Interchangeable Platforms
270390	Platform for four microplates

SPECIFICATIONS

	Microjive-2 - 2 Plate Capacity	Microjive-4 - 4 Plate Capacity
Catalog No.	270300	270340
Speed	150 to 1500 rpm	150 to 1500 rpm
Orbit	2 mm	2 mm
Timer (with auto shut off)	1 min to 4 hrs	1 min to 4 hrs
Time setting resolution	10 sec	10 sec
Product Dimensions W x D x H	175 mm x 185 mm x 90 mm (7" x 7.25" x 3.5")	175 mm x 185 mm x 90 mm (7" x 7.25" x 3.5")
Power	12 V dc, 0.5 A via 115/ 230 V AC adapter	12 V dc, 0.5 A via 115/ 230 V AC adapter

Boekel Jitterbug-2/Jitterbug-4 Microplate Thermoshaker

FEATURES

- Accommodates two standard microplates or strip trays
- Independently set temperature, shaking speed and mixing duration
- Chamber in a chamber design for excellent stability
- Smooth, quiet operation
- Heated lid to help eliminate condensation and improve uniformity
- 2 year warranty
- Accommodates Std. 96, 384, and 536 Plates
- Power pac is UL, CSA and CE approved

SPECIFICATIONS

	Jitterbug-2 - 2 Plate Capacity	Jitterbug-4 - 4 Plate Capacity
Catalog No.	270400	270440
Speed	250 to 1200 rpm	250 to 1200 rpm
Orbit	2 mm	2 mm
Stability	±0.1°C	±0.1°C
Uniformity	±0.2°C	±0.2°C
Timer (with Auto-Switch off)	1 min to 96 hrs	1 min to 96 hrs
Time setting resolution	1 min	1 min
Temperature range	Ambient +5 to 60°C	Ambient +5 to 60°C
Product Dimensions W x D x H	265 mm x 270 mm x 145 mm (10.5" x 10.6" x 6")	385 mm x 270 mm x 140 mm (15.5" x 15.5" x 6")
Power	12 V dc, 4.5 A via 115/ 230 V AC adapter	12 V dc, 4.5 A via 115/ 230 V AC adapter

Boekel Flask Dancing Reciprocating Orbital Shaker

FEATURES

- Compact with low profile and small footprint
- Smooth horizontal orbital motion for mixing in bottles, flasks, and beakers
- Soft start and noise-free operation
- Platform not included. See interchangeable platforms listed below.
- 2 year warranty
- Power pac is UL, CSA and CE approved

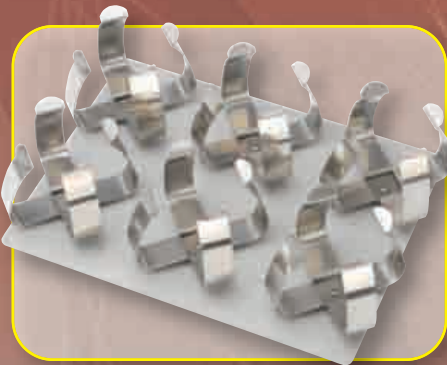


SPECIFICATIONS

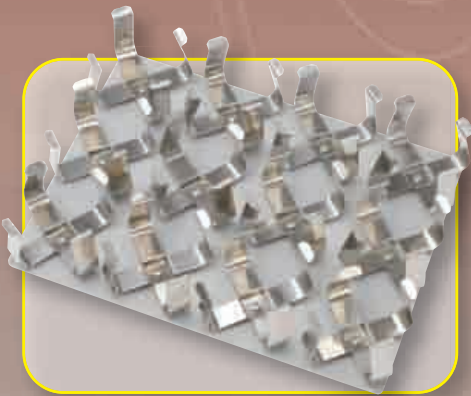
Catalog No. 270200	Flask Dancer	
Speed	50 to 300 rpm	
Orbit	18 mm	
Timer (with auto shut off)	User defined up to 99 hours	
Time setting resolution	1 min	
Product Dimensions W x D x H	267 mm x 280 mm x 100 mm (10.5" x 11" x 4")	
Power	12 V dc, 0.5 A via 115/ 230 V AC adapter	

FLASK DANCER PLATFORMS

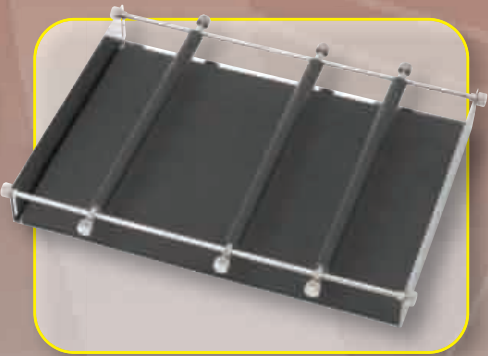
Catalog No.	Interchangeable Platforms
270290	6 x 250 mL flasks/400 mL beakers
270291	12 x 100 mL flasks/150 mL beakers
270292	Universal platform with adjustable bars
270293	Flat platform with rubber mat



270290



270291



270292



270293

Boekel Groovin' Tubes Compact Benchtop Shaker/Incubator

THREE INSTRUMENTS IN ONE

- Microtube thermoshaker
- Compact benchtop incubator, without shaking
- Microtube shaker without temperature control, also suitable for cold room operation

FEATURES

- Rapid heat up
- Continuous or timed operation
- Programmable timer
- 2 year warranty
- Power pac is UL, CSA and CE approved



SPECIFICATIONS

Catalog No. 270500	Groovin' Tubes - Shaker Incubator
Speed	250 to 1400 rpm
Orbit	2mm
Uniformity	±0.2°C
Uniformity	±0.1°C
Timer (with auto shut off)	1 min to 96 hrs
Time setting resolution	1 min
Temperature range	Ambient +5 to 100°C
Product Dimensions W x D x H	205 mm x 230 mm x 130 mm (8" x 9" x 5")
Power	12 V dc, 0.5 A via 115/ 230 V AC adapter

Block not included.
See interchangeable blocks listed below.

ACCESSORIES

Catalog No.	Interchangeable Platforms
270590	20 x 1.5/2.0mL microtubes
270591	20 x 0.5 mL and 12 x 1.5 mL microtubes



Boekel Rocker II™

FEATURES

- Ambient temperature range 4°C to 40°C
- Low voltage power is supplied by wall mount transformer
- Accepts a wide variety of flasks and plates and tubes
- Adjust tilt angle and speed without the need for tools
- Thin power cord easily passes through incubator door gaskets
- Supplied with flat non-skid mat
- Optional stacking tray and dimpled mat (for test tubes) also available
- 2 year warranty



SPECIFICATIONS

Catalog No. 260350	Rocker II
Tilt Angle	0° to 20°
Adjustable Speed	3 - 25 rpm
Product Dimensions w/platform W x D x H	19.1 cm x 17.8 cm x 12.7 cm (7.5" x 7" x 5")
Product Dimensions w/o platform W x D x H	30.5 cm x 30.5 cm x 17.8 cm (12" x 12" x 7")
Net Weight	3.9 kg (8.5 lbs)
Shipping Weight	5.9 kg (13 lbs)
Stacking Tray Clearance	6.3 cm (2.5")
Stacking Tray Weight	0.7 kg (1.5 lbs)
Power	12 V dc, 0.5 A via 115/ 230 V AC adapter (CE)
Recommended Load Limit	2.7 kg (6 lbs)

ACCESSORIES

Catalog No.	Description
260355	Stacking Tray (Supplied with rubber non-skid mat)
C2202208	Dimpled Mat

Boekel Mini Orbitron™ Platform Rotator

FEATURES

- Provides gentle, continuous mixing of specimens
- Extremely quiet
- Auto reverse
- Low profile and small footprint minimizes bench space
- Accommodates a variety of blood tubes, Centrifuge tubes, glass vials, or plates
- Supplied with two white, non-slip mats, one dimpled and one flat. Rubber mats can be cleaned with soap and water and autoclaved too.
- Power pac is UL, CSA and CE approved



SPECIFICATIONS

	Mini Orbitron (115 VAC)	Mini Orbitron (230 VAC)
Catalog No.	260100	260100-2
Warranty	2 years	2 years
Fixed Speed	24 rpm	24 rpm
Fixed Tilt Angle	20°	20°
Load Capacity	0.8 kg (1.8 lbs)	0.8 kg (1.8 lbs)
Operating Temperature	+4°C to 45°C	+4°C to 45°C
Tray Size W x D	24.3 cm x 13.1 cm (9.75" x 5.25")	24.3 cm x 13.1 cm (9.75" x 5.25")
Net Weight	1 kg (2.21 lbs)	1 kg (2.21 lbs)
Power	115 VAC, 60 Hz, 0.2 amps	230 VAC, 50 Hz, 0.1 amps

Boekel Orbitron I™ Platform Rotator

FEATURES

- Gentle, low foaming agitation
- Small footprint
- Accepts many different sized tubes simultaneously with no need for unwieldy racks or clamps
- Fixed speed and position platform (approximately 20 orbits per minute @ 23° angle)
- Thin power cord easily passes through incubator door gaskets
- Rugged steel platform has notches for bungee cords if necessary
- Can be used in incubator or cold room
- Supplied with 12" x 12" tray and dimpled mat



See page 8 for Orbitron accessories

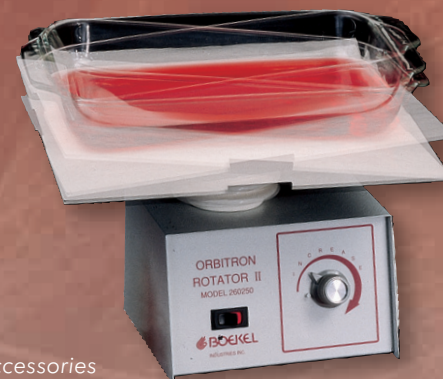
SPECIFICATIONS

	Orbitron I (115 VAC)	Orbitron I (230 VAC)
Catalog No.	260200	260200-2
Warranty	2 years	2 years
Temperature	4°C to 65°C (in a cold room or incubator)	4°C to 65°C (in a cold room or incubator)
Fixed Speed	Approx. 20 orbits/min	Approx. 20 orbits/min
Fixed Tilt Angle	23°	23°
Load Limit	1 kg (2.25 lbs)	1 kg (2.25 lbs)
Product Dimensions w/platform W x D x H	30.5 cm x 30.5 cm x 25.4 cm (12" x 12" x 10")	30.5 cm x 30.5 cm x 25.4 cm (12" x 12" x 10")
Platform Dimensions	30.5 cm x 30.5 cm (12" x 12")	30.5 cm x 30.5 cm (12" x 12")
Shipping Weight	4.4 kg (10 lbs)	4.4 kg (10 lbs)
Power	115 VAC; 50/60Hz, 6 watts, 0.5 amps	230VAC; 50/60Hz, 6 Watts, 0.5 amps (CE)

Boekel Orbitron II™ Platform Rotator

FEATURES

- Gentle, low foaming agitation
- Small footprint
- Can be used in cold room or incubator
- Accepts a wide variety of tubes, plates, dishes, simultaneously with no need for unwieldy racks or clamps
- Thin power cord easily passes through incubator door gaskets
- Rugged steel platform has notches for bungee cords if necessary
- Supplied with two white, non-slip mats, one dimpled and one flat. Rubber mats can be cleaned with soap and water and autoclaved too.



See page 8 for Orbitron accessories

SPECIFICATIONS

	Orbitron II (115 VAC)	Orbitron II (230 VAC)
Catalog No.	260250	260250-2
Warranty	2 years	2 years
Temperature	Can operate at 4°C to 40°C	Can operate at 4°C to 40°C
Variable Speed	6-23 orbits/min	6-23 orbits/min
Variable Tilt Angle	0° - 23°	0° - 23°
Load Limit	1 kg (2.25 lbs)	1 kg (2.25 lbs)
Tray Dimensions W x D	30.5 cm x 30.5 cm (12" x 12")	30.5 cm x 30.5 cm (12" x 12")
Product Dimensions W x D x H	30.5 cm x 30.5 cm x 25.4 cm (12" x 12" x 10")	30.5 cm x 30.5 cm x 25.4 cm (12" x 12" x 10")
Shipping Weight	5.5 kg (12 lbs)	5.5 kg (12 lbs)
Power	115 VAC; 50/60Hz, 6 Watts, 0.5 amps	230VAC; 50/60Hz, 6 Watts, 0.5 amps (CE)

Boekel Orbitron III™ Platform Rotator

FEATURES

- 3D gyrating motion
- 12" square aluminum tray with flat mat (standard)
- 8" square or 12" square double stacking tray (optional)
- Dimpled rubber mat (optional)
- 2 year warranty

ACCESSORIES

Catalog No.	Description
260288	Optional 8 inch Tray (Includes Platform, 1 each, flat and dimpled mat)
C 2202208	Dimpled rubber mat 12"
C 2202162	Flat rubber mat 12"
C 2202774	Dimpled rubber mat 8"
C 2202775	Flat rubber mat 8"



SPECIFICATIONS

	Orbitron III (115 VAC)	Orbitron III (230 VAC)
Catalog No.	260301	260301-2
Warranty	2 years	2 years
Operating Temperature	Can operate at 4°C to 40°C	Can operate at 4°C to 40°C
Variable speed	6-125 orbits/min	6-125 orbits/min
Variable tilt angle	0° - 23°	0° - 23°
Load limit	9 kgs. (20 lbs.)	9 kgs. (20 lbs.)
Timer	Adjustable up to 12 hours	Adjustable up to 12 hours
Product Dimensions W x D x H	30.5 cm x 33.0 cm x 22.9 cm (12" x 13" x 9")	30.5 cm x 33.0 cm x 22.9 cm (12" x 13" x 9")
Shipping Weight	9.6 kgs. (21 lbs.)	9.6 kgs. (21 lbs.)
Power	115 VAC; 50/60Hz, 6 watts, 0.6 amps Unit conforms to UL 61010A-1 and CSA C22.2 No. 1010	230VAC; 50/60Hz, 60 Watts, 0.7 amps (CE)



855 Pennsylvania Boulevard • Feasterville, PA 19053 USA

800-336-6929 • Phone: 215-396-8200 • Fax: 215-396-8264

E-mail: boekel-info@boekelsci.com • Web site: www.boekelsci.com

©Copyright, Boekel Scientific, 2007 Printed in USA