



RECIPROCAL SHAKER

RECIPROCAL SHAKER BFL1G1 BFL1G2

MULTIFUNCTIONAL LINEAR DECOLORIZING SHAKER



Ensure uniform mixing to enhance experiment reliability and accuracy.
Provide different load capacities suitable for experiments of varying scales and sample processing, meeting diverse experimental needs.
Independent display screen, simultaneously showing speed and time, user-friendly operation for easy control of the experiment process.
Offer a wide range of speed settings that can be adjusted according to specific experimental requirements to ensure optimal results.
Maintenance-free brushless DC motor for extended lifespan.
Equipped with safety speed protection features.
Provide various platform options to accommodate a variety of container types and sizes, increasing flexibility and versatility.

SPECIFICATIONS

Model	BFL1G1	BFL1G2
Old Model		BSRP-106
Amplitude	4mm	20mm
Max. load capacity (with platform)	2.5kg	2kg
Motor type	Brushless DC motor	
Speed range	100-350rpm	40-200rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min~99h59min	
Voltage, Frequency	100-240V, 50/60Hz	
Power	30W	20W
Motor input power	28W	16W
Motor output power	15W	10W
Weight	8.1kg	3.4kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	
Dimension[WxDxH]	300x340x100mm	294x348x130mm
Protection class	IP21	IP20
Data connector	RS232	-
Alt Name	Multifunctional Linear Decolorizing Shaker	



BFL1G1



BFL1G2

ACCESSORIES FOR PURCHASE BFL1G1

No	Name	Description
1	Dish attachment	SK180.4, Dish attachment with non-slip mat Dimension (WxD): 24x21.5 cm
2	Transparent Cover	SK180.5 Transparent Cover for Syphilis Serum Test, 32x32x8.3 cm

3	Silicone mattress	for 10 x 5~10 mL tubes
4	Silicone mattress	for 4 x 50 mL tubes
5	Universal attachment with 3 bars	SK180.1, Size: 25x24.5 cm Capacity for flask: 25 mLx10 pcs, 50 mLx8 pcs, 100 mLx6 pcs, 250 mLx4 pcs, 500 mLx2 pcs
6	Lengthways roller attachment	SK180.3,, mainly used for separation funnel oscillation extraction applications 500 mLx2 pcs, 250 mLx3 pcs, 100/125 mLx3 pcs, 50 mLx4 pcs
7	Bar	Bar for SK180.1 universal attachment
8	sticks	Connect sticks for double dishes shaker
9	Fixing clip	SK180.2, Fixing clip attachment Size: 25 x 24 cm
10	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
13	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
14	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



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APPLICATIONS

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications.
It can be used in environmental chambers and CO2 incubators.

RECIPROCAL SHAKER BFL11 BFL112

3D SHAKER



Reciprocal Shaker BFL11

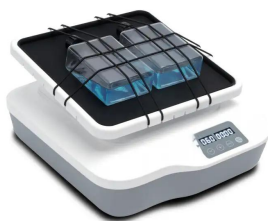
Provide a gentle three-dimensional motion shaker at a fixed tilt angle
Anti-slip silicone disc surface, better anti-slip effect, and better sample processing effect
Adjustable rotational mixing speed
Independent LCD/LED display of time and speed
Incubator compatible
Various platform accessories

SPECIFICATIONS

Model	BFL1I1	BFL1I2
Tilt angle	9°	10°
Max. load capacity (with platform)	5kg	2kg
Motor type	DC motor	
Motor input power	40W	16W
Motor output power	24W	10W
Speed range	10-70rpm	10-80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min~99h59min	1min-99h59min
Voltage, Frequency	100-240V, 50/60Hz	
Power	50W	20W
Weight	9kg	3.7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	
Dimension[WxDxH]	360x430x106mm	294 x 348 x 170mm
Protection class	IP21	
Alt Name	Large Multifunctional 3D Shaker	Intelligent 3D Shaker



BFL1I1



BFL1I2

ACCESSORIES FOR PURCHASE BFL1I1

No	Name	Description
1	Dish platform	SK330.5 Dish platform with non-slip mat and fixed string (8pcs) Dimension [WxD]: 30 x 28.5 cm
2	Silicone mattress	For 16 x 5~15 mL tubes, use with SK330.5
3	Silicone mattress	For 6 x 50 mL tubes, use with SK330.5
4	Universal attachment with 4 bars	SK330.1, Size: 32 x 32 cm Capacity for flask: 25mL x 21 pcs, 50mL x 15 pcs, 100mL x 12 pcs, 250mL x 6 pcs, 500mL x 4 pcs
5	Lengthways roller attachment	SK330.3,, mainly used for separation funnel oscillation extraction applications 500mL x 3 pcs, 250mL x 4 pcs, 100/125mL x 4 pcs, 50mL x 5 pcs
6	Bar	Bar for SK330.1 universal attachment
7	sticks	Connect sticks for double dishes shaker
8	Fixing clip attachment	SK330.2, Size: 32 x 32 cm
9	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
10	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
13	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



FEATURES BFL11I

Provide a gentle three-dimensional motion shaker at a fixed tilt angle
 Anti-slip silicone disc surface, better anti-slip effect, and better sample processing effect
 Adjustable rotational mixing speed
 Independent LCD/LED display of time and speed
 Incubator compatible
 Various platform accessories

FEATURES BFL1I2

Provide a gentle three-dimensional motion shaker at a fixed tilt angle
 Anti-slip silicone disc surface, better anti-slip effect, and better sample processing effect
 Adjustable rotational mixing speed
 Independent LCD/LED display of time and speed
 Incubator compatible

APPLICATIONS

3D shaker used for uniform shaking/mixing in flasks, culture flasks, petri dishes and tubes. Ideal for culturing a variety of cell cultures, DNA extractions, distributing of cells and gel staining & destaining of cells.

RECIPROCAL SHAKER BFL1H1

INTELLIGENT DECOLORIZING SHAKER



Double-screen display for time and speed respectively
 Compact footprint
 Provides smooth and uniform shaking
 Two options:
 9.8 kg (O330-M) and speed range 70-400 rpm
 3.1 kg (O180-S) and speed range 40-200 rpm
 Continuous or timer operation mode
 Maintenance-free brushless DC motor
 Over speed detection and protection

SPECIFICATIONS

Model	BFL1H1
Old Model	BSRP-105
Orbital diameter	20mm
Max. load capacity (with platform)	2kg
Motor type	Brushless DC motor
Motor input power	20W
Motor output power	16W
Speed range	40-200rpm
Speed display	LED
Timer display	LED
Time settings range	1min~99h59min
Voltage, Frequency	100-240V, 50/60Hz
Power	20W
Weight	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Dimension[WxDxH]	294x348x123mm
Protection class	IP21
Work plate Dimension [WxD]	268x268mm
Alt Name	Intelligent Decolorizing Shaker

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Dish attachment	SK180.4, Dish attachment with non-slip mat Dimension (WxD): 24x21.5 cm
2	Silicone mattress	for 10 x 5~10 mL tubes
3	Silicone mattress	for 4 x 50 mL tubes
4	Universal attachment with 3 bars	SK180.1, Size: 25x24.5 cm Capacity for flask: 25 mLx10 pcs, 50 mLx8 pcs, 100 mLx6 pcs, 250 mLx4 pcs, 500 mLx2 pcs
5	Lengthways roller attachment	SK180.3,, mainly used for separation funnel oscillation extraction applications 500 mLx2 pcs, 250 mLx3 pcs, 100/125 mLx3 pcs, 50 mLx4 pcs
6	Bar	Bar for SK180.1 universal attachment
7	sticks	Connect sticks for double dishes shaker
8	Fixing clip	SK180.2, Fixing clip attachment Size: 25 x 24 cm
9	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
10	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
13	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



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APPLICATIONS

Orbital Shaker is ideal for applications like bacterial suspension, solubility studies, growth of bacteria and yeast, extraction procedures, washing procedures, diagnostics tests, hybridization, general mixing, staining & destaining, mixing, and extracting. It is suitable for almost any vessel from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

RECIPROCAL SHAKER BFL1J1 BFL1J2

SHAKER



Reciprocal Shaker BFL1J1
 Rocking motion angle 9°
 10 kg and speed range 10-70 rpm
 Double LCDs/LEDs for independent display of time and speed
 Continuous or timer operation mode
 Electronic time switching clock: 1 min - 99 h 59 min
 Wide range of platforms for use with a variety of vessels
 Simple appearance, save operating space

SPECIFICATIONS

Model	BFL1J1	BFL1J2
Old Model		BSRP-108
Tilt angle	9°	7°
Max. load capacity (with platform)	10kg	2kg
Motor type	DC motor	
Motor input power	40W	20W
Motor output power	24W	16W
Speed range	10-70rpm	10-80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min~99h59min	1min-99h59min
Voltage, Frequency	100-240V, 50/60Hz	
Power	50W	20W
Weight	9kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	
Dimension[WxDxH]	360x410x200mm	294 x 348 x 123mm

Protection class	IP21	
Alt Name	Large Multifunctional Transference Rocking Shaker	Intelligent TransferenceDecolorizing Shaker



BFL1J1



BFL1J2

ACCESSORIES FOR PURCHASE BFL1J1

No	Name	Description
1	Dish platform	SK330.5 Dish platform with non-slip mat and fixed string (8pcs) Dimension [WxD]: 30 x 28.5 cm
2	Silicone mattress	For 16 x 5~15 mL tubes, use with SK330.5
3	Silicone mattress	For 6 x 50 mL tubes, use with SK330.5
4	Universal attachment with 4 bars	SK330.1, Size: 32 x 32 cm Capacity for flask: 25mL x 21 pcs, 50mL x 15 pcs, 100mL x 12 pcs, 250mL x 6 pcs, 500mL x 4 pcs
5	Lengthways roller attachment	SK330.3,, mainly used for separation funnel oscillation extraction applications 500mL x 3 pcs, 250mL x 4 pcs, 100/125mL x 4 pcs, 50mL x 5 pcs
6	Bar	Bar for SK330.1 universal attachment
7	sticks	Connect sticks for double dishes shaker
8	Fixing clip attachment	SK330.2, Size: 32 x 32 cm
9	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
10	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
13	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



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ACCESSORIES FOR PURCHASE BFL1J2

No	Name	Description
1	Dish attachment	SK180.4, Dish attachment with non-slip mat Dimension (WxD): 24x21.5 cm
2	Silicone mattress	for 10 x 5~10 mL tubes
3	Silicone mattress	for 4 x 50 mL tubes
4	Universal attachment with 3 bars	SK180.1, Size: 25x24.5 cm Capacity for flask: 25 mLx10 pcs, 50 mLx8 pcs, 100 mLx6 pcs, 250 mLx4 pcs, 500 mLx2 pcs
5	Lengthways roller attachment	SK180.3,, mainly used for separation funnel oscillation extraction applications 500 mLx2 pcs, 250 mLx3 pcs, 100/125 mLx3 pcs, 50 mLx4 pcs
6	Bar	Bar for SK180.1 universal attachment
7	sticks	Connect sticks for double dishes shaker
8	Fixing clip	SK180.2, Fixing clip attachment Size: 25 x 24 cm
9	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
10	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
13	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



FEATURES BFL1J1

Rocking motion angle 9°
 10 kg and speed range 10-70 rpm
 Double LCDs/LEDs for independent display of time and speed
 Continuous or timer operation mode
 Electronic time switching clock: 1 min - 99 h 59 min
 Wide range of platforms for use with a variety of vessels
 Simple appearance, save operating space

FEATURES BFL1J2

Rocking motion angle 7°.
 2kg (R1807-S) and speed range 10-80 rpm.
 Double LCDs/LEDs for independent display of time and speed
 Continuous or timer operation mode.
 Electronic time switching clock: 1min-99h59min.

Fixed work plate
Simple appearance, save operating space.

APPLICATIONS

Designed for time-dependent and low rpm sensitive shaking applications such as ELISA washes, enzyme immunoassays, protein synthesis, hybridization, staining/destaining gels, immune precipitation and Western blots, cell culture, pharmaceutical profiling, etc.

RECIPROCAL SHAKER BFS1F1

DECOLORISING SHAKER

This Decolorising Shaker which swings up and down with little swing amplitude. Frequency adjustable. It's used for fixing running gel spectral bands, rocking of Coomassie blue and decolorization and fixing of silver nitrate staining, etc. It's used for development and fixation of X-ray film, further treatment of cellulose membranes after electrophoretic migration, molecular hybridization, cell culture and blood mixing.



Rocking angle adjustable
Speed adjustable
Time setting
Large LCD show all the parameters

SPECIFICATIONS

Model	BFS1F1
Old Model	BSRP-113
Rocking speed	0-25 rpm
Rocking angle	±25°
Working plate size	250 x 200 mm
External dimension	420 x 200 x 200 mm
Voltage	AC 80-230 V (50/60 Hz)
Net weight (N.W.)	2.5 kg
MOQ-10PCS	
Alt Name	Decolorising Shaker

FEATURES

Rocking angle adjustable
Speed adjustable
Time setting



Large LCD show all the parameters

RECIPROCAL SHAKER BFA1BC1 BFA1BC2

ROCKING SHAKER

The rocking shaker is a desktop oscillator that can be used directly in the greenhouse or in the incubator. It is widely used in the fixation of various electrophoresis gels, Coomassie blue staining, oscillating shaking during decolorization, silver nitrate staining Fix, dye, develop, etc.



The platform is made of stainless steel and natural rubber, which is acid & alkali resistant, non-deformation, easy-clean and spill-prevention.
Real-time display of speed and diminishing time.
The bearing is articulated, rotating, secure and no wear, suitable for long time use.
Compact designed, save space.
Simple and beautiful appearance, humanization design.
Adopt stepper motor, low noise.

SPECIFICATIONS

Model	BFA1BC1	BFA1BC2
Old Model	BSRP-114	BSRP-115
Speed Range	5~80rpm	
Swing Cycloid	25mm (up and down) / 10°	
Time Range	1min~99h59min	
Max. Load	5.0kgs (single-deck platform)	5.0kgs (double-deck platform)
Platform Dimension	L.280 x W.228mm	
Voltage	AC 100~230V, 50/60 Hz	
Power	50W	
Fuse	250V, 1A, Φ5x20	
Dimension	W.284 x D.264 x H.134mm	W.284 x D.264 x H.248mm
Net Weight	5.2kgs	6.0kgs
Alt Name	Rocking Shaker	



BFA1BC1



BFA1BC2

ACCESSORIES FOR PURCHASE BFA1BC1

No	Name	Description
1	Flat platform	With non-slip rubber mat



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ACCESSORIES FOR PURCHASE BFA1BC2

No	Name	Description
1	Double deck flat platform	with non-slip rubber mat



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RECIPROCAL SHAKER BGI1Z7 BGI1Z8

ORBITAL SHAKER



- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.

SPECIFICATIONS

Model	BGI1Z7	BGI1Z8
Electrical Requirement	220V 50Hz	
Type of Movement	Reciprocating	
Shaking Speed Range	40~250 rpm	
Amplitude	20mm	
Temperature Range	-	
Display Resolution	-	
Power Consumption	60W	
Platform Size (mm)	350x350	450x450
Default Platform	Spring wire racks	
Alt Name	Reciprocal Shaker	



APPLICATIONS

Microprocessor controller (with timing function)

Widely applicable for researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction.

RECIPROCAL SHAKER BFL1F1

MULTIFUNCTIONAL LINEAR DECOLORIZING SHAKER



Efficient Mixing: Employing a linear reciprocating shaking action ensures thorough and even mixing of samples within containers, enhancing experimental reliability and precision.

Versatile Capacity: Offering two choices with different load capacities, suitable for experiments of various scales and sample handling needs, catering to diverse experimental requirements.

User-Friendly Operation: The device is equipped with an independent LCD display, simultaneously presenting speed and time, facilitating an intuitive operation, allowing you to effortlessly oversee the experimental process.

Broad Speed Range: It encompasses a wide speed range, enabling speed adjustment based on specific experimental demands, ensuring optimal outcomes.

Reliability: Utilizing a maintenance-free brushless DC motor reduces equipment m

SPECIFICATIONS

Model	BFL1F1
Amplitude	10mm
Max. load capacity (with platform)	7.5kg
Motor type	Brushless DC motor
Motor input power	28W
Motor output power	15W
Speed range	100-350rpm
Speed display	LCD
Timer display	LCD
Time settings range	1min~99h59min
Voltage, Frequency	100-240V, 50/60Hz
Power	30W
Weight	13.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Dimension[WxDxH]	370x420x100mm
Protection class	IP21
Data connector	RS232
Alt Name	Multifunctional Linear Decolorizing Shaker



ACCESSORIES FOR PURCHASE

No	Name	Description
1	Dish platform	SK330.5 Dish platform with non-slip mat and fixed string (8pcs) Dimension [WxD]: 30 x 28.5 cm
2	Silicone mattress	For 16 x 5~15 mL tubes, use with SK330.5

3	Silicone mattress	For 6 x 50 mL tubes, use with SK330.5
4	Transparent shield	SK330.6 Transparent shield, serologic test for syphilis, 41 x 39.5 x 10 cm
5	Universal attachment with 4 bars	SK330.1, Size: 32 x 32 cm Capacity for flask: 25mL x 21 pcs, 50mL x 15 pcs, 100mL x 12 pcs, 250mL x 6 pcs, 500mL x 4 pcs
6	Lengthways roller attachment	SK330.3,, mainly used for separation funnel oscillation extraction applications 500mL x 3 pcs, 250mL x 4 pcs, 100/125mL x 4 pcs, 50mL x 5 pcs
7	Bar	Bar for SK330.1 universal attachment
8	sticks	Connect sticks for double dishes shaker
9	Fixing clip attachment	SK330.2, Size: 32 x 32 cm
10	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
13	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
14	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



FEATURES

Efficient Mixing: Employing a linear reciprocating shaking action ensures thorough and even mixing of samples within containers, enhancing experimental reliability and precision.

Versatile Capacity: Offering two choices with different load capacities, suitable for experiments of various scales and sample handling needs, catering to diverse experimental requirements.

User-Friendly Operation: The device is equipped with an independent LCD display, simultaneously presenting speed and time, facilitating an intuitive operation, allowing you to effortlessly oversee the experimental process.

Broad Speed Range: It encompasses a wide speed range, enabling speed adjustment based on specific experimental demands, ensuring optimal outcomes.

Reliability: Utilizing a maintenance-free brushless DC motor reduces equipment maintenance needs and extends its operational lifespan.

Safety Measures: Featuring over-speed detection and protection functions, guaranteeing the equipment operates safely within prescribed parameters, mitigating potential issues.

Diverse Selection: Providing multiple platform options, accommodating various container types and sizes, augmenting flexibility and diversity.

APPLICATIONS

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications.

It can be used in environmental chambers and CO2 incubators.



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