



FLOOR STANDING SHAKING INCUBATOR

FLOOR STANDING SHAKING INCUBATOR

Integrated microprocessor system provides a constructive environment for growth of micro organisms. Its unique balance weighting system supports load flexibility. It is also equipped with independent alarms, wide observation window and safety door switch for smooth operation.

Used in Cell Cultures, Cell Aeration, Microbiology, Increasing Solubility Rates, Metabolism Studies, Bacterial Cultures, Bacteriology.

100 FLOOR STANDING SHAKING INCUBATOR



Encryption lock for operation parameters

The micro processing chip frequency control

With the timing function of 1 min to 99.9 hrs, the remaining time is displayed on LCD

Audible alarm

Motor overheating protection device

The unique three-dimensional eccentric wheel driving mechanism

With operating parameter memory function

Microprocessor PID controller

The AC induction motor drive, wide speed, constant torque, constant speed, no carbon brush, long life, maintenance free heating parts

Automatically cut off the heating power when overheating

SPECIFICATIONS

Model	BSFLS-101	BSFLS-103
Speed Range	20-300 rpm	
Standard Capacity	250 mlx24	500 mlx28 / 250 mlx46
Temperature	RT+5-60°C	
Temperature Accuracy	±0.1°C	
Temperature Uniformity	±1°C	
Timing Range	Optional	-
Motion	Orbital	
Amplitude	26 mm	36 mm
Tray	2	
Platform Dimension	500x350 mm	960x560 mm
Overall Dimension	700x665x1350 mm	1200x850x1440 mm
Display	LCD	
Weight	150 kg	360 kg
Power	720 W	1170 W
Power Supply	220 V, 50/60 Hz	

BSFLS-102 FLOOR STANDING SHAKING INCUBATOR



Microprocessor controller
Stainless steel interior and Electrostatic sprayed exterior
Flexible and convenient, wide variety of detachable accessories

SPECIFICATIONS

Model	BSFLS-102
Speed Range	20-300 rpm
Standard Capacity	500 mlx36
Temperature	RT+5-60°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±1°C
Timing Range	Optional
Motion	Orbital
Amplitude	26 mm
Tray	2
Platform Dimension	730x460 mm
Overall Dimension	980x820x1335 mm
Display	LCD
Weight	220 kg
Power	960 W
Power Supply	220 V, 50/60 Hz

BSFLS-107 FLOOR STANDING SHAKING INCUBATOR



- Integrate incubator and shaker
- Save lab space
- Compact designed, good temperature uniformity, low noise
- Micro-processor controls temperature and shaking speed
- Built-in time function
- Friendly designed touch screen and operation panel
- Cover can be widely angle opened, convenient to watch and pick sample
- Equipped with cover switch
- When the cover is open, air circulation, heating and shaking automatically stop
- No temperature overshoot problem
- Unique speed control circuit to ensure shaker smoothly starting to avoid liquid spilling
- Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilizing
- Independent temperature alarm system
- Heating is cut off when temperature is over the limited value
- Alarm after program finished
- Brushless DC motor, long life and free maintenance

SPECIFICATIONS

Model	BSFLS-107
Speed Range	200-1200 rpm
Temperature	RT+5-60°C
Temperature Accuracy	0.1°C
Temperature Setting Range	5~60°C
Temperature Stability@37°C	±0.3°C
Shaking Orbit	3 mm (horizontal)
Timing Range	1 min~99 h 59 min
Power	400 W
Fuse	250 V, 3 A/5 A, ϕ 5x20
Dimension (WxDxH)	W.360 x D.435 x H.320mm
Net Weight	18.7 kgs
Voltage	AC 220 V/AC 110 V, 50/60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Platform Size
2001222006	Platform 1500	4 standard plates	280x214x13 mm

BSTH-111 MICROPLATE SHAKER



Variable speed from 200 rpm to 1,500 rpm
DC brushless motor for gentle and powerful vibration
Continuous or timing operation
Orbital of 3mm for efficient mixing in small sample vessels
Simple spring holders for easy and quick plate installation

SPECIFICATIONS

Model	BSTH-111
Speed Range	200~1500 rpm Standard & 200~1000 rpm Deep well
Speed Setting Resolution	10 rpm increment
Shaking Orbit	3 mm
Timing Range	1 min~99 h 59 min
Overall Dimension	290x270x120 mm
Weight	6.5 kg
Power Supply	AC220V/AC120V, 2A

100 THERMO SHAKER INCUBATOR



Optimized 2D mixing designed for simultaneous mixing and vortexing applications
Pre-programmed soft keys and reliable universal holder
Automatic imbalance detection and anti-spill technology
Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, vortexing numerous tube formats
Custom blocks available for different experiment needs

SPECIFICATIONS

Model	BSTH-104	BSTH-105
Speed Range	200~1200 rpm	
Shaking Orbit	3 mm (horizontal)	2 mm (horizontal)
Temp. Control Range	R.T.+5°C ~70°C	
Temp. Setting Range	5°C~70°C	
Temp. Stability@37°C	±0.2°C	

Platform Temp. Uniformity	$\pm 0.5^{\circ}\text{C}$	
Temp. Display Accuracy	0.1°C	
Heating Speed Range	<25 min (20°C to 70°C)	
Timing Range	1 min~99 h 59 min or short mix	
Sample Capacity	2 Pieces of Plates (Height<35mm)	4 Pieces of Plates(Height<40mm)
Voltage	AC 220V/AC 110V, 50/60 Hz	
Power	150 W	250 W
Fuse	250 V, 1 A/2 A, $\phi 5 \times 20$	250 V, 3 A/5 A, $\phi 5 \times 20$
Overall Dimension	W.284 x D.264 x H.157mm	W.345 x D.310 x H.178mm
Net Weight	6.7 kgs	10.5 kgs



BSTH-104



BSTH-105

100 FLOOR STANDING SHAKING INCUBATOR



Large LCD screen

R134a refrigerant, imported compressor and fan motor

Big observation windows

304 Stainless steel chamber and platform, easy to clean

There is a 25mm instruction connection hole on the left side of the chamber for easy testing

operation and temperature measurement

The parameters can be automatically stored in case of power failure, and it will continue run as presetting program after turn on

Microprocessor PID controller for temperature and shaking speed with timing function

Safety door switch, auto pause operation when door is opened

Smooth start and stop system prevents liquid spillage

Auto-controller of fan speed to prevent damage to the samples

Self-diagnosis function, it will display error when failure

Optional: Temperature-limiting alarm system, auto switch off when over-temperature, RS485 connector or USB interface can connect computer record and inspect the parameters and the variations of temperature, Intelligent programmable temperature controller

SPECIFICATIONS

Model	BSFT-101	BSFT-102	BSFT-103
Speed Range	40-300 rpm		
Maximum Configuration	29x50 ml, 18x100 ml, 11x250 ml, 7x500 ml, 4x1000 ml		
Temperature	RT+5-65°C		
Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$		
Temperature Uniformity	0.1°C		

Temperature Fluctuation	±0.5°C	
Temperature Resolution	0.1°C	
Permissible Ambient Temperature	5-40°C	
Shaking Speed Accuracy	±1 rpm	
Speed Increment	20 rpm	
Shaking Orbit	20 mm	
Timing Range	0~5999 min	
Motion	Orbital	
Platform Dimension	400x340 mm	500x350 mm
Inner Dimension	590X660X900 mm	670X660X1000 mm
Overall Dimension	635X714X1055 mm	725X720X1150 mm
Weight	121/138 kg	132/177 kg
Power	750 W	1100 W
Power Supply	220V 50Hz	

Model	BSFT-104	BSFT-105	BSFT-106
Speed Range	40-300 rpm		
Maximum Configuration	37x50 ml, 22x100 ml, 14x250 ml, 10x500 ml, 6x1000 ml		29x50 ml, 18x100 ml, 11x250 ml, 7x500 ml, 4x1000 ml, 3x2000 ml
Temperature	4-65℃		
Temperature Accuracy	±0.1℃		
Temperature Uniformity	0.1℃		
Temperature Fluctuation	±0.5℃		
Temperature Resolution	0.1℃		
Permissible Ambient Temperature	5-40℃		
Shaking Speed Accuracy	±1 rpm		
Speed Increment	20 rpm		
Shaking Orbit	20 mm		
Timing Range	0~5999 min		
Motion	Orbital		
Platform Dimension	400x300 mm	400x340 mm	500x350 mm
Inner Dimension	630X610X880 mm	590X660X900 mm	670X660X1000 mm
Overall Dimension	830X710X1030 mm	635X714X1055 mm	725X720X1150 mm
Weight	115/155 kg	121/138 kg	140/185 kg
Power	1150 W		1500 W
Power Supply	220V 50Hz		



BSFT-101



BSFT-102



BSFT-103



BSFT-104



BSFT-105



BSFT-106

1800 FLOOR STANDING SHAKING INCUBATOR



Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily

Temp., rotation speed and time etc parameters fast setting

Combine incubator, shaker functions together with small space, huge capacity

Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate

Fluorine free design

PID microcomputer control temp. and shake frequency with timer

Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants.

Brushless DC motor, large start torque, wide speed adjustment, free maintenance

The ultraviolet lamp can sterilize the chamber regularly

CO2 concentration monitor and control

Lighting control(Stimulate the nature growth environment)

Humidity monitor and control

SPECIFICATIONS

Model	BSFT-1801	BSFT-1802	BSFT-1803	BSFT-1804
Speed Range	40-300 rpm			
Power Supply	AC 220 V 50 HZ			
Amplitude	20 mm			
Temp. Control Range	RT+5 - 65°C	4 - 65°C	RT+5 - 65°C	4 - 65°C
Temperature Resolution	0.1°C			
Uniformity(at 37°C)	±0.5°C			
Timing Range	0 - 99h59 min			
Platform Dimension	400x340 mm		500x420 mm	
Overall Dimension	635Wx714Dx1055H mm	635Wx714Dx1150H mm	725Wx720Dx1055H mm	
Power	750 W	950 W	1100 W	1300 W



1900 FLOOR STANDING SHAKING INCUBATOR



Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily

Temp, rotation speed and time etc parameters fast setting

Combine incubator, shaker functions together with small space, huge capacity.

Colorful touch screen controller, menu operation interface, multi data display at one screen, easily to observe and operate

Silent running

Fluorine-free design, environmental friendly

Big transparent big view windows, platform and chamber are made of stainless steel, anti-corrosion and easy to clean

Brushless DC motor, large start torque, wide speed adjustment, free maintenance

Sterilization system: The ultraviolet lamp can sterilize the chamber regularly

Protection on instruments: Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident

Protection on key components: Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions

CO2 concentration monitor and control

Lighting control

Humidity monitor and control

SPECIFICATIONS

Model	BSFT-1901	BSFT-1902	BSFT-1903	BSFT-1904
Speed Range	40-300 rpm			
Power Supply	AC 220 V 50 HZ			
Amplitude	26 mm			
Temp. Control Range	RT+5 - 80°C		4 - 80°C	
Temperature Resolution	0.1°C			
Timing Range	1 - 99h59 min			
Platform Dimension	750x460 mm	920x500 mm	750x460 mm	920x500 mm
Overall Dimension	1060Wx680Dx910H mm	1200Wx730Dx930H mm	1060Wx680Dx910H mm	1200Wx730Dx930H mm
Power	1050 W		1300 W	
Standard configuration	250mlx28	250mlx45	250mlx28	250mlx45



BSFT-1901



BSFT-1902



BSFT-1903



BSFT-1904

2000 FLOOR STANDING SHAKING INCUBATOR



Adopt 4.3 inches touch screen, intelligent touch screen control, parameters real time display, operation easily

Temp., rotation speed and time etc parameters fast setting

Combine incubator, shaker functions together with small space, huge capacity

Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate

Fluorine free design

User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on

PID microcomputer control temp. and shake frequency with timer

Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Brushless DC motor, large start torque, wide speed adjustment, free maintenance

Sterilization system: The ultraviolet lamp can sterilize the chamber regularly

Protection on instruments: Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident

Protection on key components: Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions

Protection on samples: Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms

Protection on operator: Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt

SPECIFICATIONS

Model	BSFT-2001	BSFT-2002	BSFT-2003	BSFT-2004
Speed Range	40-300 rpm			
Frequency accuracy	±1 rpm			
Amplitude	26 mm			
Temp. Control Range	RT+5 - 65°C	4 - 65°C	RT+5 - 65°C	4 - 65°C
Temperature Resolution	±0.1°C			
Temperature Uniformity	at 37°C±0.8°C			
Timing Range	0 - 99h59 min			
Shelves size	750x460 mm (double shelves)		920x500 mm (double shelves)	
Overall Dimension	1030Wx875Dx1370H mm		1200Wx875Dx1370H mm	
Power	1900 W	2250 W	1900 W	2250 W
Standard configuration	250mlx56pcs		250mlx90pcs	



BSFT-2001



BSFT-2002



BSFT-2003



BSFT-2004

2300 FLOOR STANDING SHAKING INCUBATOR



Large LCD screen to display more data at same time

R134a refrigerant, imported compressor and fan motor

Big observation windows

304 Stainless steel chamber and platform, easy to clean.

There is a 25mm instruction connection hole on the left side of the chamber for easy testing operation and temperature measurement

The parameters can be automatically stored in case of power failure, and it will continue run as presetting program after turn on

Microprocessor PID controller for temperature and shaking speed with timing function

SPECIFICATIONS

Model	BSFT-2301	BSFT-2302	BSFT-2303	BSFT-2304
Speed Range	40-300 rpm			
Electrical Requirement	220 V 50 H			
Amplitude	26 mm			
Temperature Range	RT+5 - 65℃		4 - 65℃	
Display Resolution	0.1℃			
Timing Range	0~5999 min			
Power Consumption	1900 W		2250 W	
Platform Dimension	750x460 mm	920x500 mm	750x460 mm	920x500 mm
Platform quantity	2 pcs			



BSFT-2301



BSFT-2302



BSFT-2303



BSFT-2304



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