



ULTRASONIC HOMOGENIZER

ULTRASONIC HOMOGENIZER BFR1C1 BFR1C2

PORTABLE ULTRASONIC PROCESSOR

The portable Ultrasonic Processor is used to emulsify, disperse, homogenization, extraction, anti-foaming, cleaning, preparation of nano-materials, dispersion, and speed up chemical reactions.



SPECIFICATIONS

Model	BFR1C1	BFR1C2
Old Model	BLIH-401	BLIH-402
Operating frequency range	20-25 KHz, frequency automatic tracking	
The end of the horn diameter	Φ 3 or 5	
Ultrasonic Power	150 W, can be adjusted, fine-tune in steps of 5 W	250 W, can be adjusted, fine-tune in steps of 5 W
Parameters sample handling capacity	0.1-100 ml (need to select the appropriate probe)	
Generator output power	150 W (max)	250 W (max)
Operating voltage	220 V ±5%	
Alt Name	Portable Ultrasonic Processor	

ULTRASONIC HOMOGENIZER BFR1B1 TO BFR1B11

ULTRASONIC HOMOGENIZER

Ultrasonic homogenizer series is designed for applying a cavitation effect in a liquid by means of ultrasonic waves. It can be used to disintegrate cells of various of animals and plants, viruses, bacteria, tissues as well as to reshape inorganic substances. It can also be used in emulsification, separation, distribution, collection cleaning and nano-material preparation, dispersion acceleration of chemical reactions, etc.



7 inch large screen LCD touch screen display.
 Microcomputer control, which can store 20 sets of work data.
 Ultrasonic time, ultrasonic power can be set.
 Automatic detection of ultrasonic power to prevent the change of ultrasonic power as the
 The temperature of the sample is changed.
 Integrated temperature control to prevent sample overheating.
 Automatic frequency tracking, automatic fault alarm.
 Single ultrasound time: 0.1-99.9S
 Single interval time: 0.1-99.9S
 Total working time: 1S-99H59M59S(touch type to 99hours)
 Mode of work: clearance or continuity

SPECIFICATIONS

Model	BFR1B1	BFR1B2	BFR1B3	BFR1B4
Old Model	BLIH-301	BLIH-302	BLIH-303	BLIH-304
Ultrasonic Frequency (kHz)	20-25			
Maximum Power	0-150 W	0-250 W	0-500 W	0-650 W
Optional Probe (Φ mm)	2, 3, 6	2, 3, 6, 8	2, 3, 6, 8, 10	2, 3, 6, 10, 12
Crusher Capacity	0.1-150 ml	0.1-250 ml	0.1-400 ml	0.1-500 ml
Sample Temperature Monitor	Yes			
Alt Name	Ultrasonic Homogenizer			

Model	BFR1B5	BFR1B6	BFR1B7	BFR1B8
Old Model	BLIH-305	BLIH-306	BLIH-307	BLIH-308
Ultrasonic Frequency (kHz)	20-25		19.5-20.5	
Maximum Power	0-900 W	0-950 W	0-1200 W	0-1500 W
Optional Probe (Φ mm)	2, 3, 6, 8, 10, 12	2, 3, 6, 10, 12, 15	3, 6, 10, 15, 20, 22	10, 15, 20, 22, 25
Crusher Capacity	0.1-600 ml	0.1-700 ml	5-1000 ml	20-1200 ml
Sample Temperature Monitor	Yes			
Alt Name	Ultrasonic Homogenizer			

Model	BFR1B9	BFR1B10	BFR1B11
Old Model	BLIH-309	BLIH-310	BLIH-311
Ultrasonic Frequency (kHz)	19.5-20.5		
Maximum Power	0-1800 W	0-2000 W	0~2200 W
Optional Probe (Φ mm)	15, 20, 22, 25		
Crusher Capacity	50-1500 ml	50-1800 ml	50-2000 ml
Sample Temperature Monitor	Yes		
Alt Name	Ultrasonic Homogenizer		

FEATURES

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 Ultrasonic time, ultrasonic power can be set.
 Automatic detection of ultrasonic power to prevent the change of ultrasonic power as the
 The temperature of the sample is changed.
 Integrated temperature control to prevent sample overheating.
 Automatic frequency tracking, automatic fault alarm.
 Single ultrasound time: 0.1-99.9S
 Single interval time: 0.1-99.9S
 Total working time: 1S-99H59M59S(touch type to 99hours)
 Mode of work: clearance or continuity
 frequency: 19.5-20.5KHz
 Can select computer online function

APPLICATIONS

It has wide application in teaching, researching, and manufacturing in many fields such as biology, microbiology, physics, zoology, agriculture and pharmacology and has been used by some labs.

ULTRASONIC HOMOGENIZER BFA1K1

ULTRASONIC CELL DISRUPTOR

Ultrasonic cell disruptor a multi-functional and multi-purpose instrument that uses ultrasonic waves to produce cavitation effects in liquids. The instrument is widely used in teaching, scientific research and production in the fields of biology, microbiology, physics, zoology, agronomy, and pharmacy.



Adopts 5.0-inch TFT color touch screen to display various parameter indexes, and parameter setting is convenient and quick.

Adopt unique design of fully automatic lifting of the Ultrasonic horn, which is compatible with more container heights and liquid level heights.

Soundproof box is designed with sound-absorbing cotton and magnetic rubber to ensure sealing, which minimizes noise leakage.

9 groups of commonly used parameter settings are set in the program. One-key calling, convenient and quick.

Using ARM microcomputer technology, the ultrasonic power is finely adjustable, the step is 1%, the time parameters are precisely adjustable, and the time control accuracy is 0.1s.

Novel and unique appearance, the design conforms to the man-machine operation

SPECIFICATIONS

Model	BFA1K1
Old Model	BLIH-801
Frequency	20-25KHz
Display method	5 inch TFT Touch screen display
Random horn	Ø6
Optional horn	Ø2, Ø3, Ø6, Ø10, Ø12
Crushing capacity	0.5-500ml
Adjustable protection temp.	Sample temp. to 80°C
Max. lifting distance of horn	120mm
Alarm	Time, overload, over temp.
Input power	220V/50Hz
Power	650W (1%-99%)
External temp. sensor	PT100
Ultrasound time setting	0.1s-9.9s (Suggest 1s-4s)
Whole time setting	0.1min ~999.9min
Interval time setting	0.1s-9.9s (Suggest 2s-8s)
Fuse	250V, 5A, Φ5x20
Power supply chassis size	W.250xD.420xH.438.5mm
Soundproof box size	W.501xD.380xH.577mm
Net weight	14kgs
Alt Name	Ultrasonic cell disruptor



ACCESSORIES FOR PURCHASE

No	Name	Size(mm)	Broken amount(ml)	Power ratio(1-99%)
1	Horn	Ø2	0.5-5	1-25%
2	Horn	Ø3	3-10	5-35%
3	Horn	Ø6	10-100	35-70%
4	Horn	Ø10	100-200	50-95%
5	Horn	Ø12	200-500	55-99%



FEATURES

Adopts 5.0-inch TFT color touch screen to display various parameter indexes, and parameter setting is convenient and quick.
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Soundproof box is designed with sound-absorbing cotton and magnetic rubber to ensure sealing, which minimizes noise leakage.
9 groups of commonly used parameter settings are set in the program. One-key calling, convenient and quick.

Using ARM microcomputer technology, the ultrasonic power is finely adjustable, the step is 1%, the time parameters are precisely adjustable, and the time control accuracy is 0.1s.

Novel and unique appearance, the design conforms to the man-machine operation size, the operation is simple and convenient.
A UV lamp inside the soundproof box, which can sterilize and illuminate.

The door lock handle of the box body is integrated, safe and convenient.

A. Structural features



Reduce noise

The soundproof box is designed with sound-absorbing cotton, magnetic rubber, etc. to minimize noise leakage.



UV lamp

There are UV lamps in the soundproof box, which can sterilize and illuminate.



Integrated design

Cabinet door/door lock/handle integrated design, safe and convenient.

B. Safety design



Alarm prompt

Buzzer alarm prompt function, will stop and alarm at the end of operation or failure occurs.



Emergency button

The emergency stop button can stop the ultrasound and the horn returns to the top position to ensure the safety of man and machine.



Real-time detection

The sample protection temp. can be set, and the sample temp. can be detected in real time to ensure the safety of the sample.

C. Structure display





Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com