

## Portable Ultrasonicator



UP400S portable ultrasonic cell pulverizer is a multifunctional and multipurpose instrument that utilizes strong supersonic to produce cavitation effect and deals with material with ultrasonic, which can be used in crash material brokenness of many kinds of animal and plant cells, virus cell, at the same time, can use emulsification, separates, melts, draws, subdues steeping, washes and accelerates the chemical reaction etc. evenly. Widely used in such fields as biochemistry, microbiology, medicine chemistry, surface chemistry, physics, zoology, etc. Instrument this kind of apply to sample it needs to be more to deal with quantity but being little, quantity is it produce the lab scale of the experimental result fast to need.

Main technical parameters:

Operating frequency range: 19- 25KHZ, automatic frequency.

Output power of the generator: 100W (max)

Regulating range of power: 5% --95% (pulse width adjustment)

The diameter of a variable breadth end:  $\Phi$  3 or  $\Phi$  10

Working voltage: 220VAC $\pm$  5%, 50HZ

Working environment : 0 --32

Overall dimension: generator: 19 $\times$ 19 $\times$ 7.3mm (disregard variable breadth pole)

# Scientz-II Ultrasonicator



ULTRASONIC CELL CRUSHER Patent No: ZL 94 2 44314.4

A new product on the market produced by Scientz Bio-technology Co., Ltd., enjoys complete functions, novel appearance and reliable performance. It has large-screen display and concentrated control by the central computer. The ultrasonic time and power can be set accordingly. Besides, such functions as sample temperature display, actual frequency display, computerized tracking and automatic trouble warning can all be displayed in the large LCD screen, and easier for laboratory operators to record visually.

## Main technical parameters:

Model	frequency KHZ	Power W	Accompany $\Phi$	Selective grading pole $\Phi$	Crushing capacity ml	Duty ratio	Power
Scientz-IIID	22	950	6or8	2、3、12、 15、18	0.5-600	0.1-99.9%	220/110 $\pm$ 5%
JY92-IIID	22	900	6or8	2、3、10、 12、15	0.5-600	0.1-99.9%	220/110
JY92-II	22	650	6or8	2、3、10、 12、15	0.5-500	1-99%	220/110
JY99-IIIB	four frequency	3500	60 $\times$ 2	50、65	10-25L/H		220/110
JY99-III	15	2800	60 $\times$ 2	50、65	5-20L/H		220/110
JY99-IIID	20	1800	20	25、28	550-1200	0.1-99.9%	220/110
JY98-IIID	20	1200	20	12、15、25	50-1000	0.1-99.9%	220/110
JY98-III	20	1200	20	12、15、25	50-1000	1-99%	220/110
JY88-II	24	250	6	2、3、8	10-100	1-99%	220/110
JY96-II	24	150	6	2、3、8	10-100	1-99%	220/110

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# JY88-IIN & JY96-IIN Ultrasonicator



Model JY96-IIN, JY88-IIN ultrasonic cell pulverizers are multi-function and multipurpose instruments that utilize strong supersonic produce empty effect of taking among liquid, the instruments of multi-function, multiuse of dealing with the supersonic to the material, can be used in the brokenness of many kinds of animal and plant cells , virus cell, at the same time , can use emulsification , separates , melts , draws , subdues steeping , washes and accelerates the chemical reaction etc. evenly. Widely used in such fields as biochemistry, microbiology, medicine chemistry, surface chemistry, physics, zoology, etc.

The two types of machines are standard types, adopted by most labs.

Main technical parameters for model JY96-IIN:

Operating frequency: 20-24 KHz, autotracked frequency

Ultrasonic power: 150W adjustable

Variable breadth pole at random:  $\Phi 6$

Chosen variable breadth pole:  $\Phi 2$ 、 $\Phi 3$  ,  $\Phi 8$

Broken capacity: 10-100ml

Empty occupation ratio: 1-99%

Power: 220/110 $\pm$ 5%

Main technical parameters for model JY88-IIN:

Operating frequency: 20-24KHz, autotracked frequency

Ultrasonic power: 250W adjustable

Variable breadth pole at random:  $\Phi 6$

Chosen variable breadth pole:  $\Phi 2$ 、 $\Phi 3$  ,  $\Phi 8$

Broken capacity: 20-200ml

Empty occupation ratio: 1-99%

Power: 220/110 $\pm$ 5%

# JY92-IIN & JY98-IIIN Ultrasonicator



JY92-IIN



JY92-II

Model JY92-IIN, JY98-IIIN ultrasonic cell pulverizers are multi-function and multi-purpose instruments that utilize strong supersonic produce empty effect of taking among liquid, the instruments of multi-function, multiuse of dealing with the supersonic to the material, can be used in the brokenness of many kinds of animal and plant cells , virus cell, at the same time , can use emulsification , separates , melts , draws , subdues steeping , washes and accelerates the chemical reaction etc. evenly. Widely used in such fields as biochemistry, microbiology, medicine chemistry, surface chemistry, physics, zoology, etc.

The two types of machines are standard types, adopted by most labs.

Main technical parameters for model JY92-IIN:

Operating frequency: 20-24 KHz, autotracked frequency

Ultrasonic power: 650W adjustable

Variable breadth pole at random:  $\Phi 6$ 或 $\Phi 8$

Chosen variable breadth pole:  $\Phi 2$ 、 $\Phi 3$  ,  $\Phi 10$  ,  $\Phi 12$ , $\Phi 15$  ,

Broken capacity: 0.5-500ml

Empty occupation ratio: 1-99%

Power: 220/110 $\pm$ 5%

Main technical parameters for model JY98-IIIN:

Operating frequency: 20KHz, autotracked frequency

Ultrasonic power: 1200W adjustable

Variable breadth pole at random:  $\Phi 20$

Chosen variable breadth pole:  $\Phi 15$ 、 $\Phi 25$

# JY92-II DN & JY92-II D Ultrasonicator



JY92-IIDN



JY92-IID

Model JY98-IIIDN 、 JY99-IIDN 、 JY92-IIDN Ultrasonic cell pulverizers are multi-function and multipurpose instruments that utilize strong supersonic produce empty effect of taking among liquid, the instruments of multi-function, multiuse of dealing with the supersonic to the material, can be used in the brokenness of many kinds of animal and plant cells , virus cell, at the same time , can use emulsification , separates , melts , draws , subdues steeping , washes and accelerates the chemical reaction etc. evenly. Widely used in such fields as biochemistry, microbiology, medicine chemistry, surface chemistry, physics, zoology, etc.

The three types of machines are with temperature control functions

Main technical parameters for model JY92-IIDN:

Operating frequency: 20-24 KHz, autotracked frequency

Ultrasonic power: 20-900W adjustable

Variable breadth pole at random:  $\Phi 6$

Chosen variable breadth pole:  $\Phi 2$ 、  $\Phi 3$  ,  $\Phi 8$

Broken capacity: 10-100ml

Temperature protection: sample temperature to 50 $^{\circ}$ C

Empty occupation ratio: 1-99%

Power: 220/110 $\pm$ 5%

Main technical parameters for model JY98-IIIDN:

Operating frequency: 20KHz

Ultrasonic power: 400-1200W adjustable

Variable breadth pole at random:  $\Phi 20$

Chosen variable breadth pole:  $\Phi 15$ 、  $\Phi 25$

Broken capacity: 20-1000ml

Temperature protection: sample temperature to 50 $^{\circ}$ C

Empty occupation ratio: 1-99%

Power: 220/110 $\pm$ 5%

Main technical parameters for model JY99-IIDN:

Operating frequency: 20KHz

Ultrasonic power: 400-1800W adjustable

Variable breadth pole at random:  $\Phi 20$

Chosen variable breadth pole:  $\Phi 25$ 、  $\Phi 28$

Broken capacity: 550-1200ml

Temperature protection: sample temperature to 50 $^{\circ}$ C

Empty occupation ratio: 0.1-99.9%

Power: 220/110 $\pm$ 5%

# 99-IIIB Ultrasonic Continuous Current Cell Crusher



1. Four frequencies : 15KH Z 、 28KH Z 、 40KH Z 、 60KH Z 2.
  2. Working hours setup : 1-99minutes or continuous digital display randomly set timing
  3. Ultrasonic type : continuous(double heads 50% working)
  4. Sample type: special filtering pump to take and send
  5. 0-30 O C Working environment
- Accepting the business of broken wall of the glossy ganoderma spore, broken wall rate is 99%, can make to order the powder ultrafine crusher , handling capacity can reach 10kg / hour (deal with 0.1kg once at least)
  - Can choose low temperature cooling liquid circulation machine
  - Use the ultrasonic cell's pulverizer of new sesame to have a lot of articles to issue at home and abroad.