

Ultrasonic Cell Disruptor

ZCPS SERIES



Distributor

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Ultrasonic Cell Disruptor

ZHICHU ultrasonic cell crusher industry is widely used. It can be used to disintegrate or shear most cells - cell lysing, bacteria, spores, and DNA/Chromatin and accelerate the reaction speed of chemical biology, logistics, and liquid degassing. It can also be used in extraction, disintegration, mutation, gas suspension, homogenization. It can homogenize liquids, accelerate enzymatic and chemical reactions, stimulate bacterial activity, disperse solids in liquids and degas liquids. It is widely used in the life and analytical sciences, microbiology and physics etc.

PRODUCT FEATURES

- 7-inch touch screen, easy and convenient to operate, display amplitude, power, temperature, and time
- Stackable design for control module and sonication chamber, saving space
- Sonication chamber in double-layer soundproof design, easy to clean
- Ultrasonic duration and power can be setup as demand.
- Vessel workbench can be moved vertically by setup on control module
- With over-temperature, overload and time protection functions
- With funtions of UV sterilization and lighting.
- Optional mobile phone APP remote control.



Selective Horns

Technical Data

Model	ZCPS-600	ZCPS-900	ZCPS-1200	ZCPS-1500
Frequency	20~25KHz, automatic tracking and adaptive			
Power range	5~650w	10~1000w	12~1200w	18~1800w
Timing range	1-999mins			
Sample volume capacity	0.1~600ml	0.1~900ml	1~1200ml	1~1500ml
Standard horn	Ø6mm	Ø6mm	Ø20mm	Ø22mm

Selective Horns

No.	Diameter	Volume	Power ratio	ZCPS-600	ZCPS-900	ZCPS-1200	ZCPS-1500
1	Ø2mm	0.2-5ml	1-35%	✓	✓	✓	N/A
2	Ø3mm	3-10ml	1-45%	✓	✓	✓	✓
3	Ø6mm	10-100ml	1-70%	✓	✓	✓	✓
4	Ø8mm	20-200ml	1-85%	✓	✓	✓	✓
5	Ø10mm	30-300ml	1-90%	✓	✓	✓	✓
6	Ø12mm	50-600ml	10-90%	✓	✓	✓	✓
7	Ø15mm	200-750ml	10-90%	N/A	N/A	✓	✓
8	Ø20mm	100-1000ml	10-90%	N/A	N/A	✓	✓
9	Ø22mm	200-1200ml	20-95%	N/A	N/A	✓	✓
10	Ø25mm	300-1500ml	30-95%	N/A	N/A	N/A	✓