

Ultrasonic Cell Disruptor

Application:

Widely used in the field such as biology, chemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science, pharmacy for teaching, scientific research and production.

Features:

- * LCD touch screen display.
- * Storage capacity: 20 groups of program data.
- * Temp. monitor: over-temperature protection.
- * Other functions: automatic tracking the frequency, fault alarm.



Technical Parameters:

Model	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1200	UCD -1500	UCD -1800	UCD -2000
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Crushing Capacity(ml)	0.1~150	0.1~300	0.1~400	0.1~500	0.1~700	1~1000	1~1500	1~1200	50~2000
Standard Amplitude-change Pole Ø (mm)	6				20		22	22	25
Optional Amplitude-change Pole Ø(mm)	2, 3, 6, 8, 10	2, 3, 6, 8, 10	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12, 15	10, 15, 20, 22, 25	10, 15, 20, 22, 25	10, 15, 20, 22, 25	10, 15, 20, 25
Consumption (W)	1.5~150	2.5~250	5~500	6.5~650	10~1000	12~1200	15~1500	18~1800	0~2000
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)								
Package Size (W*D*H)	350*350*550mm(acoustic chamber); 470*305*430mm(main body)								
Gross Weight	26kg					29kg			

Technical Parameter for Amplitude Pole:

Size	Crushing Capacity(ml)	Recommended power ratio	Frequency (KHz)	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1000	UCD -1200	UCD -1500	UCD -1800	UCD -2000
φ2mm	0.1-5ml	1~35%	20~25	√	√	√	√	√	√	×	×	×	×
φ3mm	3-10ml	1~45%	20~25	√	√	√	√	√	√	√	√	√	×
φ5mm	5-100ml	1~60%	20~25	×	×	×	×	×	×	×	×	×	×
φ6mm	10-100ml	1~70%	20~25	√	√	√	√	√	√	√	√	√	√
φ8mm	20-200ml	1~85%	20~25	√	√	√	√	√	√	√	√	√	√
φ10mm	30-300ml	1~90%	20~25	√	√	√	√	√	√	×	×	×	×
φ10mm	30-300ml	1~60%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ12mm	50-600ml	10~90%	20~25	×	×	×	×	√	√	×	×	×	×
φ15mm	200-750ml	10~95%	20~25	×	×	×	×	√	√	×	×	×	×
φ15mm	50-500ml	5~80%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ20mm	100-1000ml	10~90%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ22mm	200-1200ml	20~95%	19.5~20.5	×	×	×	×	×	×	√	√	√	√
φ25mm	300-1500ml	30~95%	19.5~20.5	×	×	×	×	×	×	×	√	√	√

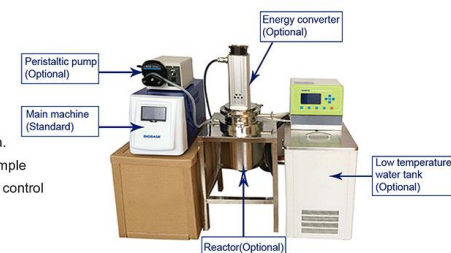
Continuous Flow Ultrasonic Cell Disruptor

Application:

It is suitable for the extraction of Chinese herbal medicine, cells, bacteria and emulsifying chemical nanometer material, suitable for small batch production or to provide accurate technical parameters for the future industrial production.

Features:

- * LCD Display
- * Automatic tracking the frequency
- * Storage capacity: 20 groups of program data.
- * It can test and control temperature of the sample
- * Function of automatic feeding and computer control can be optional equipped



Technical Parameters:

Model	UCD-4000W-II
Frequency	19.5~20.5KHz
Standard Amplitude-change Pole Ø	40mm
Crushing Capacity/Once	500~10000ml
Crushing Capacity/Continuously	100L/Day
Max. Consumption	1000~4000W, Adjustable
Time Set	Optional: Continuous/Pulse
Max. Working Time	99h59min59sec
Safety System	Over temperature; Time; Overload; No load
Standard Accessories	Main machine, energy converter, standard amplitude, sound proof box(or supporting frame)
Optional Accessories	Stainless steel reactor, energy converter, peristaltic pump, low temperature water tank
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	675*305*450mm(main body); 430*415*730mm(soundproof box)
Gross Weight	32kg

Portable Ultrasonic Cell Disruptor

Features:

- * LCD Display
- * Temperature alarm setting range: 0~100°C
- * Ultrasonic time setting for on and off: 0.1-9.9s
- * Audible alarm for: Over temperature, over power, over time



Technical Parameters:

Model	UCD-P01
Frequency(KHz)	20~30, frequency automatic tracking
Crushing Capacity(ml)	0.1~150ml (need to choose the corresponding horn)
Standard Amplitude Pole Ø(mm)	3 or 5
Optional Amplitude Pole φ (mm)	2, 3, 5, 6
Other Optional Accessories	Foot switch, sound proof box, bracket
Consumption(W)	2.5~250W, adjustable
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110V, 60Hz(Optional)
Package Size(W*D*H)	470*305*430mm(main body)
Gross Weight	16kg

Disintegrator

Plant Disintegrator

Features:

- * Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
- * Featured by lightweight, small volume, compact structure, continuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.



Technical Parameters:

Model	MPD-102
Mesh Size (mm)	0.5/1/1.5
Working Time	Continuous
Grinding (Mesh)	60~120
Speed (rpm)	1400rpm
Consumption	250W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	300*185*280
Package Size(W*D*H) mm	350*240*290
Net Weight(kg)	15±0.5
Gross Weight(kg)	19.5

Technical Parameters:

Model	HSD-80	HSD-100	HSD-200	HSD-400A
Speed (rpm)	10000	26000	26000	26000
Size of Grinding Room (mm)	Ø80*40	Ø100*40	Ø125*56	Ø150*80
Grinding (mesh)	40~200			
Input Quantity (≤G/time)	50	100	200	400
Consumption	200W	800W	800W	1000W
Power Supply	AC220V, 50Hz			
External Size(W*D*H) mm	Ø110*210H	Ø160*320H	Ø160*360H	230W*190D*420H
Package Size(W*D*H)mm	255*185*190	220*220*400	220*220*420	285*235*466
Net Weight(kg)	1.5	3.1	3.4	9.5
Gross Weight(kg)	1.8	3.5	4	10.1

Middle-Size Disintegrator

Features:

- * Excellent air-tightness, stable performance, continuous working time, time and cost saving.
- * Casting steel grinding system, which is durable and efficient.
- * Convenient to clean, easy to operate, and reliable.



Technical Parameters:

Model	MD220
Speed (rpm)	5000
Diameter of Screen Mesh (mm)	Ø0.5, Ø1.0, Ø1.5
Grinding (mesh)	40~120
Output (Kg/H)	8~20
Consumption	3000W
Power Supply	380V, 50Hz
External Size(W*D*H) mm	700*380*700
Net Weight(kg)	99
Gross Weight(kg)	120

High-speed Universal Disintegrator



HSD-80



HSD-100/200



HSD-400A

Pharmacy Instrument

Disintegration Tester

Disintegration tester is used for detecting disintegration of solids under prescriptive conditions.



Features:

- * Auto-diagnose, auto-alarm.
- * Stainless steel basket and paddle.
- * Micro processor and LCD Display.
- * Each beaker can work alone.
- * Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-BJ1	BK-BJ2	BK-BJ3
Basket	1pc	2 pcs	3 pcs
Beaker Capacity	1000ml		
No. of Stroke	30~31 stroke/ minute		
Stroke Height	55±1mm		
Minimum Spacing	25±2mm		
Mesh Size	Standard 2mm		
Temp. Range	RT~50℃		
Temp. Precision	±0.3℃		
Timing Range	1~900min		
Time Precision	±0.5min		
Working Time	>24h		
Power Consumption	600W		
Power Supply	AC220V/110V±10%, 50/60HZ		
External Size (W*D*H) mm	260*300*440	400*320*440	540*320*440
Package Size (W*D*H) mm	390*360*520	490*410*520	660*410*530
Gross Weight (kg)	12	18.5	23

Dissolution Tester

Dissolution tester is used for detecting pharomic dissolution from tablet, capsule etc. in prescriptive menstruum.



Features:

- * Auto-diagnose, auto-alarm.
- * Stainless steel basket and paddle.
- * Micro processor and LCD Display.
- * The head part of the instrument can be turned over smoothly and flexibly(Rise and fall for BK-RC8).
- * Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-RC1	BK-RC3	BK-RC6	BK-RC8
Basket	1 pc	3 pcs	6 pcs	8 pcs
Speed Range	20~200rpm			
Speed Precision	±2rpm			
Temp. Range	RT +45.0℃			
Temp. Precision	±0.3℃			
Timing Range	5~900min	5~900min	1~999min	1~999min
Time Precision	±0.5min			
Working Time	>24h			
Paddle Swing Amplitude	±0.5mm			
Basket Swing Amplitude	±1.0mm			
Power Consumption	600W	600W	1200W	1200W
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	260*300*480	510*300*480	960*320*480	680*540*480
Package Size (W*D*H)mm	560*410*590	780*420*560	1230*510*590	1010*680*580
Gross Weight(kg)	18.5	28.5	47	91

Ball Mill

Optional:

Selection of pot's material: Pot's material has no pollution to the grinding materials and no effect to the appearance of powder.

Technical Parameters:

Category & Request of Grinding Material	Reference for Mill Pots' Material Option
Soil and other Materials which impurities are not allowed to be brought.	Agate Pot
Metal and non-metal materials which impurities are not allowed to be brought.	Zirconia Pot
High hardness materials like diamond, hard alloy.	Hard Alloy Pot
Strong acid and strong alkali substances, and materials under high temperature.	PTFE Mill Pot
Iron and steel minerals, impurities are not highly sensitive materials.	304 Stainless Steel Mill Pot
Pigment material, and materials which can be processed at high temperature.	Nylon Mill Pot
Containing aluminum material like ceramic glaze.	Corundum Pot
Electronic material like lithium battery.	Polyurethane Mill Pot
Easily oxidized materials which need to be protected by special gas.	Vacuum Mill Pot



Nylon Mill Pot



PTFE Mill Pot



Zirconia Pot



Hard Alloy Pot



Polyurethane Mill Pot



Stainless Steel Mill Pot

Matching Ways for Mill Pots and Balls:

	Agate Grinding Ball	Zirconia Grinding Balls	Tungsten Carbide Balls	Stainless Steel Balls	Alumina Balls	Polyurethane core ball	Steel Ball
Agate Mill Pot	▲						
Zirconia Mill Pot		▲					
Hard Alloy Mill Pot			▲				
PTFE Mill Pot	▲						
Stainless Steel Mill Pot				▲			
Nylon Mill Pot		▲					
Corundum Mill Pot					▲		
Polyurethane Mill Pot						▲	

Remarks: ▲ Best Match

Best Match Ratio: Large-sized Ball: 20%; Medium-sized Ball: 50%; Small-sized Ball: 30%.



Stainless steel mill pot can be matched with stainless steel ball



Zirconia mill pot can be matched with zirconia balls



Corundum mill pot can be matched with alumina balls



Hard Alloy mill pot can be matched with zirconia balls



Nylon mill pot can be matched with zirconia balls



PTFE mill pot can be matched with agate balls



Polyurethane mill pot can be matched with Agate balls



Tempered nylon mill pot can be matched with agate balls



Agate mill pot can be matched with agate balls

Vertical Planetary Ball Mill(Semi-circle Type)

Application:

Planetary Ball Mill has four ball grinding tanks installed on one turntable. When the turntable rotates, the tank axis makes planetary movements, the balls and samples inside the tanks are impacted strongly in high speed movement, and samples are eventually ground into powder. Various kinds of different materials can be ground by the mill with dry or wet method. Minimum granularity of ground powder can be as small as 0.1 μ m.



Features:

- * 3D curve shape design.
- * Special gear with low noise.



Visual Window



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan

Technical Parameters:

Model	BKBM-V0.4	BKBM-V2
Capacity	0.4L	2L
Volume of Each Capacity	50~100ml	50~500ml
Pot Quantity	4 pcs	
Running Time Range	1~9999min	
Reciprocal Running Time	1~999min	
Adjustable Speed Revolution	45~435rpm	35~335rpm
Rotation	90~870rpm	70~670rpm
Noise	≤58dB	≤60dB
Speed Control Mode	Frequency Control	
Transmission Mode	Gear Drive	
Working Mode	2 or 4 pots can be used each time	
Max Volume of Each Pot	2/3	
Feed Size	Soft and Crispy material<10mm, Other materials<3mm	
Out-put Granularity	Minimum Granularity can be reached to 0.1 μ m	
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation	
Consumption	0.25KW	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	530*300*340	730*430*550
Package Size(W*D*H)mm	595*360*485	820*530*720
Net Weight(kg)	26	74
Gross Weight(kg)	30	80

Vertical Planetary Ball Mill(Square Type)



Features:

- * 3D curve shape design.
- * Special gear with low noise.



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan



Pneumatic Rod

Technical Parameters:

Model	BKBM-V2S
Capacity	2L
Volume of Each Capacity	50~500ml
Pot Quantity	4pcs
Running Time Range	1~9999min
Reciprocal Running Time	1~999min
Adjustable Speed Revolution	35~335rpm
Rotation	70~670rpm
Noise	≤60dB
Speed Control Mode	Frequency Control
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1 μ m
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	770*470*570
Package Size(W*D*H)mm	820*540*680
Net Weight(kg)	93
Gross Weight(kg)	98

Light Horizontal Planetary Ball Mill



Features:

- * Horizontal structure of grinding pots.
- * Special gear with low noise.



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan



Pneumatic Rod

Technical Parameters:

Model	BKBM-H2L
Capacity	2L
Volume of Each Capacity	50~500ml
Pot Quantity	4 pcs
Running Time Range	1~9999min
Reciprocal Running Time	1~999min
Adjustable Speed Revolution	35~335rpm
Rotation	70~670rpm
Noise	≤60dB
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1µm
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Speed Control Mode	Frequency Control
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	700*570*520
Package Size(W*D*H)mm	800*610*670
Net Weight(kg)	105
Gross Weight(kg)	123