

## Fisher Scientific\* Model 120 Sonic Dismembrator



FB120110

Programmable system for effective cell lysis and sample preparation delivering consistent and reproducible results

This model is ideal for small sample sizes and offers both manual and programmable operation. A variety of accessories are available including probes for individual samples, eight tip horn for increased sample throughput and a Cup Horn for indirect sonication. Lightweight converter for handheld operation.

**Includes:** Generator, converter, 1/8 in. probe, cables, wrench set

### Description

- Processes 0.2 to 100mL
- Programmable from 1 second to 10 hours
- Overload protection
- Pulse mode (1 second to 59 seconds)

**Applications:** Cell disruption, protein extraction, DNA shearing/ChIP assay

**Warranty:** Two years

### Specifications

Dimensions	8W x 13.5L x 6 in.H
Power Requirements	120W
Operating Frequency	20kHz

Description	Cat. No.	Quantity
Dismembrator, Sonic; Fisher Scientific; Model 120; Both manual and Programmable operation for consistent and reproducible results; Voltage: 230V, 50/60Hz	<a href="#">FB-120-220</a>	1

Accessories	Catalog Number
Fisher Scientific* Model 120 Sonic Dismembrator, 3/16" MICROTIP	FB4405
Fisher Scientific* Model 120 Sonic Dismembrator, Probe; 5/64 in.; Processing volume: 0.2 to 5mL	FB-442-3
Fisher Scientific* Model 120 Sonic Dismembrator, Probe; 1/4 in.; Processing volume: 5 to 50mL	FB-443-5
Fisher Scientific* Model 120 Sonic Dismembrator, 8 Tip horn	FB-460-2
Fisher Scientific* Model 120 Sonic Dismembrator, Sound Enclosure with Clamp; 20 x 10 x 10 in.	FB-432-A
Fisher Scientific* Model 120 Sonic Dismembrator, Stand with Clamp	FB-460
Fisher Scientific* Model 120 Sonic Dismembrator, REPLACEMENT TIPS FOR 8 TIP HRN	FB4599
Replacement Parts	Catalog Number
Fisher Scientific* Model 120 Sonic Dismembrator, REPLACEMENT POWER CABLE 220V	FB81600061
Description	Catalog Number
Probe; 1/8 in.; Processing volume: 0.5 to 15mL	FB-442-2
Probe; 5/64 in.; Processing volume: 0.2 to 5mL	FB-442-3
Probe; 1/4 in.; Processing volume: 5 to 50mL	FB-443-5
8 Tip horn	FB-460-2
Jack Stand; 6 x 6 in.	FB-357
Footswitch	FB-400-4
Stand with Clamp	FB-460
Sound Enclosure with Clamp; 20 x 10 x 10 in.	FB-432-A

## Fisher Scientific\* Model 505 Sonic Dismembrator



FB505110

High power, programmable system ideal for nanotechnology, cell disruption and homogenization applications

Model 505 offers the same programmable features as Model 120 but delivers substantially more power. This model can process both small and large sample volumes. A variety of accessories are available including probes for individual samples and a Cup Horn for indirect sonication.

**Includes:** Generator, converter, 1/2 in. probe, cables, wrench set

- Processes 0.5 to 500mL
- 500 watts
- Programmable from 1 second to 10 hours
- Pulse mode (1 second to 59 seconds)
- Energy display (watts and Joules)

### Description

- Processes 0.5 to 500mL
- 500 watts
- Programmable from 1 second to 10 hours
- Pulse mode (1 second to 59 seconds)
- Energy display (watts and Joules)

**Applications:** Nanoparticle dispersion, mixing and homogenization

**Warranty:** Two years

Specifications	
Dimensions	8W x 15L x 7 in.H
Power Requirements	500W
Operating Frequency	20kHz

Cat No	Description	Long Description	Std Unit
FB505220	500WATT SONIC DSMMBRTR 220V	Dismembrator, Sonic; Fisher Scientific; Model 505; High power, programmable system; For both small and large sample; Voltage: 230V, 50/60Hz	EA
FB505A220	500 WATT SONIC DISMEMBRATOR	Dismembrator, Sonic; Fisher Scientific; Model 505; High power, programmable system; For both small and large sample; 230V, 50/60Hz; No Probe	EA
<b>Accessories to be chosen as per application</b>			
FB4207	3/4IN PROBE W/REPLCBL TIP	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; Probe: 0.75 in.; Processing volume: 25 to 500mL; With replaceable tip	EA
FB4208	3/4IN SOLID PROBE	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; Probe: 0.75 in. solid probe; Processing volume: 25 to 500mL; For low surface tension liquids (i.e. organic solvents)	EA
FB4209	1IN SOLID PROBE	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; Probe: 1 in. solid probe; Processing volume: 50 to 1,000mL; For low surface tension liquids (i.e. organic solvents)	EA
FB4219	1/2IN SOLID PROBE	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; Probe: 0.5 in. solid probe; Processing volume: 10 to 250mL; For low surface tension liquids (i.e. organic solvents)	EA
FB4220	1/2INPROBE W/REPLCEABLE TIP	Probe; for Fisher Scientific Sonic Dismembrators FB505, FB705; Tip dia: 1/2 in.; Processing volume: 10-250mL; Replaceable tip	EA
FB431B1	3 INCH CUP HORN	3 INCH CUP HORN	EA
FB432B	SOUND ENCLOSURE	Enclosure, Sound; Fisher Scientific; Accessory for Model 500 Sonic Dismembrator; For sound reduction; Dimension: 23 x 14.5 x 12 in.; Can also be used with model 705	EA
FB4405	3/16IN MICROTIP	3/16IN MICROTIP	EA
FB4406	1/2IN REPLACEMENT TIP	Tip, Replacement; Fisher Scientific; For Model 505 Sonic Dismembrator; 0.5 in. probe	EA
FB4407	3/4IN REPLACEMENT TIP	Replacement tip; for Fisher Scientific Sonic Dismembrators; Tip dia: 3/4 in.; for FB505, FB705	EA
FB4418	1/8IN MICROTIP	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; 0.125 in. probe; Processing volume: 0.5 to 15mL	EA

Cat No	Description	Long Description	Std Unit
FB4420	1/4IN MICROTIP	Probe; Fisher Scientific; For Model 505 Sonic Dismembrator; Probe: 0.25 in. microtip; Processing volume: 5 to 50mL	EA
FB4559	4 TIP HORN	Horn, Tip; Fisher Scientific; For Model 505 Sonic Dismembrator; Process 4 samples at one time	EA
FB459	STAND W/CLAMP- MDL 505 OR 705	Stand; Fisher Scientific; Accessory for Model 500 Sonic Dismembrator; With clamp	EA
FB4599	REPLACEMENT TIPS FOR 8 TIP HRN	Replacement tips for 96 tip horn (FB4611); for Fisher Scientific Models 505 and 705 Sonic Dismembrators	EA
FB4611	96 TIP HORN	Horn, Tip; Fisher Scientific; For Model 505 Sonic Dismembrator; Process 96 samples at one time	EA

## Fisher Scientific\* Model 705 Sonic Dismembrator



Ultrahigh power with advanced programming for DNA shearing/ChIP and all liquid processing applications

Model 705 is a full-featured, programmable ultrasonic processor with an easy to use touchscreen control and overload protection. The additional power and full range of accessories accommodate the widest range of sample volumes and applications. 96 tip horn and Cup Horn accessories offer time saving, high throughput solutions to repetitive, individual sample processing.

FB705110

**Includes:** Generator, converter, 1/2 in. probe, cables, wrench set

### Description

- Processes 0.2 to 1000mL
- 700 watts
- Programmable from 1 sec. to 99 hr.
- Save up to 10 different programs
- Pulse mode (1 second to 24 hours)
- Temperature monitoring (requires optional temperature probe)

**Applications:** Cell disruption, homogenization, ChIP/DNA shearing, nanoparticle dispersion, protein extraction, sonochemistry, soil extraction, mixing

**Warranty:** Two years

### Specifications

Dimensions	8W x 17L x 7 in.H
Power Requirements	700W
Operating Frequency	20kHz

Description	Cat. No.	Std Unit
700 WATT SONIC DSMMBRTR, 220V  Dismembrator, Sonic; Fisher Scientific; Model 705; Ultra high power with advanced programming; DNA shearing/ChIP and all liquid processing applications; Voltage: 230V, 50/60Hz; Includes 1/2 in.	FB-705-220	EACH

Accessories	Catalog Number	Std Unit
Fisher Scientific* Model 705 Sonic Dismembrator, 3/4" REPLACEMENT TIP	FB4407	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 3 INCH CUP HORN	<a href="#">FB431B1</a>	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, REPLACEMENT TIPS FOR 8 TIP HRN	FB4599	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, REPLCMNT CNVRTR-MDL 505 OR 705	FBCL334	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, Jack Stand; 6 x 6 in.	FB-357	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 0.75 in. solid probe; Processing volume: 25 to 500mL	FB-420-8	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 1 in. solid probe; Processing volume: 50 to 1,000mL	FB-420-9	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 1 in. probe w/replaceable tip; Processing: 50 to 1,000mL	FB-421-0	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 0.5 in. solid probe; Processing volume: 10 to 250mL	FB-421-9	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 0.5 in. replacement tip	FB-440-6	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, Probe; 0.16 in. microtip; Processing volume: 0.2 to 5mL	FB-441-7	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, Probe; 0.125 in. microtip; Processing volume: 0.5 to 15mL	FB-441-8	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, Probe: 0.25 in. microtip; Processing volume: 5 to 50mL	FB-442-0	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, Stand with Clamp	FB-459	EACH
Fisher Scientific* Model 705 Sonic Dismembrator, 1" REPLACEMENT TIP	FB4408	EACH

## Fisher Scientific™ Model 50 Sonic Dismembrator

Economical, small volume cell disruptor

Compact, portable and extremely simple to operate. Weighing less than 4 lb., this model is the smallest unit on the market and is highly effective for cell disruption, sample preparation and many other small volume applications.

**Includes:** Generator, converter, cables, wrench set



### Description

- Processes 0.2 to 50mL
- 50 watts
- Continuous or Remote operation (footswitch optional)
- Lightweight converter for handheld operation

**Applications:** Basic cell disruption

**Warranty:** Two years

### Specifications

Dimensions (generator)	8 x 8 x 5 in.
Power rating	50W
Operating Frequency	20kHz

### Description

### Cat. No.

Sonic Dismembrator System with 1/8 in. Probe

Dismembrator, Sonic; Fisher Scientific; Model 50; Small volume cell disruptor; Voltage: 230V, 50/60Hz; 50 watts; Includes: Generator (8 in. W x 7 in. L x 5 in. H), converter, 1/8 in. probe, cables, wrench set, manual, 2-year warranty

[FB50220](#)

Sonic Dismembrator System without Probe

Dismembrator, Sonic; Fisher Scientific; Model 50; Small volume cell disruptor; Voltage: 230V, 50/60Hz; 50 watts; Includes: Generator (8 in. W x 7 in. L x 5 in. H), converter, cables, wrench set, manual; No Probe

[FB50A220](#)