

# Sonifier Cell Disruptor



## Microtips

### OVERVIEW

Microtips are designed to process samples contained in small diameter vessels at extremely high intensity (refer to chart for recommended volumes).

Tapered microtips screw into standard 1/2" step horns with tapped ends.

The double stepped microtip consists of a coupler and a stepped tip and screws directly into the converter. It has lower amplitude than the tapered tip, but is capable of reaching into small diameter vessels of greater depth and can process solutions down to 0.1 mL.

### WARNING:

Because of their high amplitude, microtips are highly stressed and can break if operated in air or at an amplitude setting greater than 70% on all Sonifier models.

### TYPICAL APPLICATIONS

- **Micro-tapered** is recommended for processing spores, fungi, yeast, muscle, and connective tissue.
- **Double Stepped Microtip** – is recommended for red and white blood cells, tissue culture cells, HELA cells, and cells which have a low to medium resistance to breakage. **Attaches to converter only.**

# Sonifier Cell Disruptor

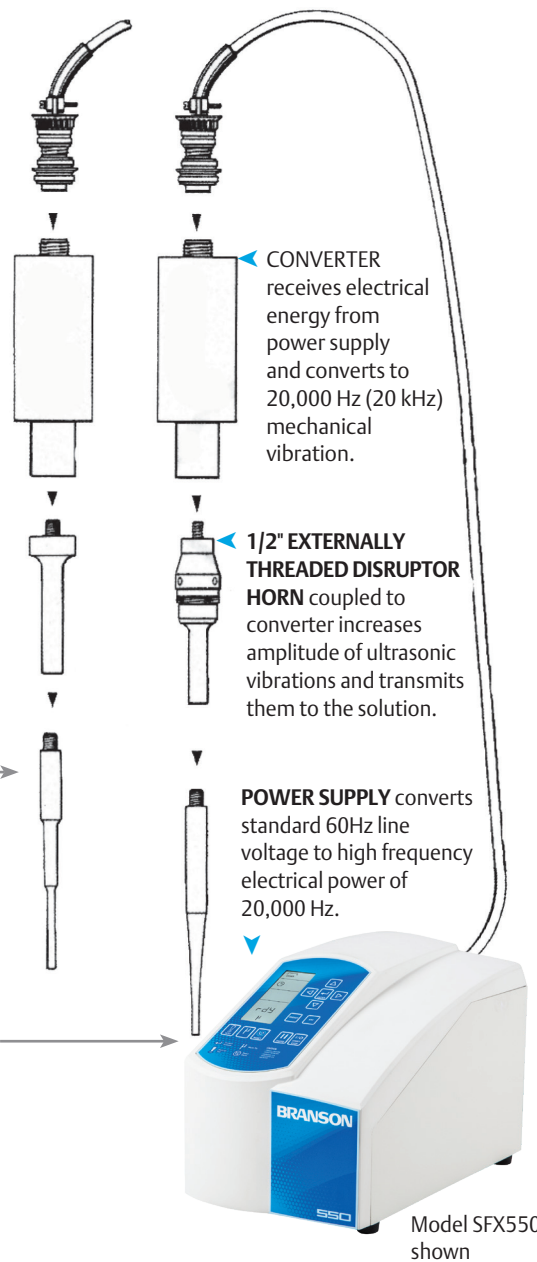
**Only attach Microtip to Disruptor horn; attach 2-piece Double-step Microtip to converter only.**

### DOUBLE STEPPED MICROTIP

Tip Diameter	1/8" (3 mm)
Intensity	Very high
Ampl. Range*	64-247
Volume (Liquid)	0.1 - 5 mL
Part Number	33996-243

### TAPERED MICROTIP

Tip Diameter	1/8" (3 mm)	3/16" (5 mm)	1/4" (6.5 mm)
Intensity	Ultra high	Very high	High
Ampl. Range*	116-494	59.5-302	59.5-247
Volume (Liquid)	5 - 10 mL	10 - 20 mL	20 - 50 mL
Part Number	101-148-062	101-148-069	101-148-070



Microtips compatible with SFX250 and SFX550, Digital 250 and 450, Analog 250 and 450.

#### Americas

Branson Ultrasonics Corp.  
41 Eagle Road  
Danbury, CT 06813-1961  
T: 203-796-0400  
F: 203-796-9838  
www.Emerson.com/Branson

#### Europe

Branson Ultraschall  
Niederlassung der Emerson  
Technologies GmbH & Co. OHG  
Waldstrasse 53-55  
63128 Dietzenbach, Germany  
T: +49-6074-497-0  
F: +49-6074-497-199  
www.Emerson.com/Branson

#### Asia

Branson Ultrasonics (Shanghai) Co., Ltd.  
758 Rong Le Dong Road  
Song Jiang, Shanghai, PRC, 201613  
T: 86-21-3781-0588  
F: 86-21-5774-5100  
www.Emerson.com/Branson

Microtips © Branson Ultrasonics Corporation 2020  
The Emerson logo is a trademark and service mark of Emerson Electric Co. Revised and printed in the U.S.A. 3/20