Branson™ 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.**

For more information:
www.Emerson.com/Branson

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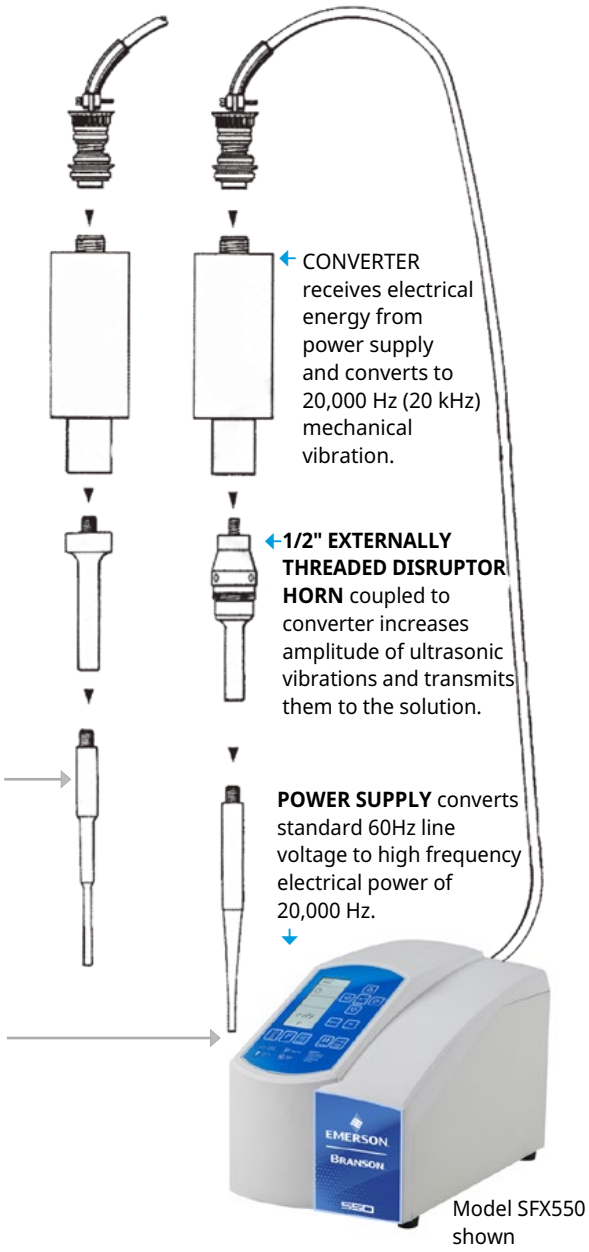
Technical Specifications

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



Model SFX550 shown

Microtips compatible with SFX250 and SFX550

Double Stepped Microtip and Coupler

Tip Diameter	Intensity	Ampl. Range*	Volume (Liquid)	Part Number
1/8" (3 mm)	Very high	64-247	0.1 - 5 mL	101-063-212

Tapered Microtip

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