



OMNI SONIC RUPTOR ULTRASONIC HOMOGENIZERS

OMNI SONIC RUPTOR 4000 ULTRASONIC HOMOGENIZER

400 Watt Max Power (20kHz System)
Processing Range: 500 μ L-1L

The **Omni Sonic Ruptor 4000 Ultrasonic Homogenizer** has an integrated Sound Control Chamber to contain much of the cavitation sound emitted during processing. It offers precision engineering with all the features necessary to create a total system for ultrasonic disruption. The Omni Sonic Ruptor can disintegrate most cells, bacteria, spore or tissue. It can also prepare an emulsion down to 1/100 of a micron, homogenize "immiscible" liquids, accelerate enzymatic and chemical reactions, stimulate bacterial activity, disperse solids in liquids and degas liquids.

Product Features:

- Integrated Sound Abating Chamber with Clear Plexiglas Door
- Maximum power ultrasonic homogenizer
- Auto-tuning for optimal processing efficiency
- Power-emitted display for accuracy and repeatability
- 0-15 minute timer
- Tips compatible with most 20kHz systems
- Pulse mode for sensitive samples
- Two year control unit warranty

Includes 400 watt control unit and integrated Sound Control Chamber with variable power output, 2 year warranty, tool kit and instruction manual.
*Tips sold separately.**



Omni Sonic Ruptor 4000 Ultrasonic Homogenizer

<u>PRODUCT DESCRIPTION</u>	<u>ORDER #</u>
115 volt Omni Sonic Ruptor 4000 Homogenizer	OR4000-115
220 volt Omni Sonic Ruptor 4000 Homogenizer	OR4000-220

*See Page 28 for Omni Sonic Ruptor Accessories



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OMNI SONIC RUPTOR ULTRASONIC ACCESSORIES

Solid Titanium Tips

All Solid Tips are of a single-piece design. These tips are required when processing samples with high surface tension. Includes a package of Five Interface Washers.



ORDER #	PRODUCT DESCRIPTION	INTENSITY	TIP SIZE	VOLUME RANGE
OR-T-156	Stepped Micro Processing Tip	Very High Intensity	Diameter: 5/32" (3.8mm) Length: 10.1" (25.6cm)	250µL-10mL
OR-T-375	Intermediate Processing Tip	High Intensity	Diameter: 3/8" (9.5mm) Length: 8.6" (21.8cm)	10mL-250mL
OR-T-500	1/2" Processing Tip	Medium-High Intensity	Diameter: 1/2" (12.7mm) Length: 5.38" (13.65cm)	10mL-300mL
OR-T-750	Standard Processing Tip	Medium Intensity	Diameter: 3/4" (19mm) Length: 4.1" (10.5cm)	25mL-500mL
OR-T-1000	Full Size Processing Tip	Low Intensity	Diameter: 1" (25.4mm) Length: 4.85" (12.3cm)	50mL-1L



250mL Cup Tip

The 250mL cup tip consists of a solid titanium rod of 2" diameter with a 250mL cavity machined into one end. The cup tip acts as a small-batch, closed system. High intensity processing. *The Microtube Tray is required for use with the cup tip.* Holds up to 8 micro tubes.

PRODUCT DESCRIPTION	ORDER #
250mL Cup Tip	OR-C-250
Microtube Tray for OR-C-250	OR-C-250-T



Continuous Flow Chamber

The Continuous Flow Chamber is designed for continuous processing of liquids and for emulsifying and homogenizing applications. The chamber may be sealed in a closed system so that infectious material can be safely processed. The water flow-through jacket maintains sample temperature at a desired level. *Requires OR-T-750 tip.*

PRODUCT DESCRIPTION	ORDER #
Continuous Flow Chamber	OR-F-01



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