

# Sonic Ruptor 4000

## ULTRASONIC HOMOGENIZER



*High power with  
automatic tuning*



**OMNI**  
International  
The Homogenizer Company®

# Sonic Ruptor 4000

The **Omni Sonic Ruptor 4000 Ultrasonic Homogenizer** offers precision engineering with all the features necessary to create a total system for ultrasonic disruption. It can disintegrate most cells, bacteria, spore or tissue. It can 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. The **Omni Sonic Ruptor 4000** includes an integrated **Sound Abatement Chamber** to reduce cavitation sound emitted during processing.



ORDER NO.  
OR4000-115

## Specifications

**Variable Power:** 0 - 400 watts

**Timer:** 0 - 15 minutes

**Automatic Tuning:** Allows easy interchange of probe tips

**Pulse Mode Power:** Allows sample to be processed at full power while limiting temperature rise. Essential for heat sensitive samples.

**Constant Power Mode:** Selectable for non-heat critical sample applications.

**Dimensions:** Control Unit: 9 5/8" (l) x 11 1/8" (w) x 6" (h) [24.45 cm (l) x 28.26 cm (w) x 15.24 cm (h)]

Transducer: 3" (w) x 5 5/8" (h) [7.62 cm (w) x 14.29 cm (h)]

**Temperature/Humidity Range:** 0-40°C / 28% - 80%

**Power Consumption:** 400 watts



PRODUCT	INTENSITY	TIP SIZE	VOLUME RANGE	ORDER NO.
Stepped Micro Processing Tip	Very High	Diameter: 5/32" (3.8 mm) Length: 10.1" (25.6 cm)	250 µL - 10 mL	OR-T-156
Intermediate Processing Tip	High	Diameter: 3/8" (9.5 mm) Length: 8.6" (21.8 cm)	10 mL - 250 mL	OR-T-375
1/2" Processing Tip	Medium-High	Diameter: 1/2" (12.7 mm) Length: 5.38" (13.65 cm)	10 mL - 300 mL	OR-T-500
Standard Processing Tip	Medium	Diameter: 3/4" (19 mm) Length: 4.1" (10.5 cm)	25 mL - 500 mL	OR-T-750
Full Size Processing Tip	Low	Diameter: 1" (25.4 mm) Length: 4.85" (12.3 cm)	50 mL - 1 L	OR-T-1000



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