

# Sonic Ruptor 400

## ULTRASONIC HOMOGENIZER



*High power with  
automatic tuning*



**OMNI**  
International  
The Homogenizer Company®

# Sonic Ruptor 400

The **Omni Sonic Ruptor 400 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. The Sonic Ruptor 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.

## 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



ORDER NO. 18-000-115



ORDER NO. OR-A-01

## Sound Abatement Chamber

The optional Sound Abatement Chamber reduces cavitation sound emitted during processing when used in conjunction with the Omni Sonic Ruptor Ultrasonic Homogenizer. Harmonics are produced by the vessel walls and fluid surface and can be disturbing with extended operation. The clear Plexiglas door permits viewing of the sample while protecting the operator against accidental splashing. An access port for tubing is also provided for use with the accessory cooling jacket or continuous flow chamber.



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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