



Mini-Meg 150



PCT Systems Mini-Meg is a fully functional megasonic system with the portability to allow it to be used in a fume hood or mounted on a small wet bench. Just as with fully featured megasonic systems, virtually any megasonic action can be done with Mini-Meg. Process action include Particle to Resist Removal, Sonochemical Reactor, Acoustic Chemical Enhancements, 2D Graphene Particles, and many more.

MEGASONIC FREQUENCIES

**700kHz 950kHz Available*

SELF-CONTAINED READY TO USE

**Tank, Transducer Plate, Generator*

COMPACT SIZE BIG CAPACITY

**25 Wafer 6"/150mm Wafer Carrier*

Features and Benefits

- ✓ Choice of Frequencies 700kHz and 950kHz
- ✓ Stainless Steel or PVDF Tank for a Variety of Chemicals
- ✓ Production Capacity with 6.15 Inch x 6.25 Inch Acoustic Area
- ✓ Programmable Recipes
- ✓ Inhouse Manufacturing to Guarantee Quality and Delivery
- ✓ Options Include Heater Control and Heater for Stainless Steel Tank, Tank Liners in Quartz or PVDF

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Fully Functional Megasonics System



Mini-Meg 100

Mini-Meg 150 Tank

Operating temperature 70°C

PVDF Tank Mechanical Specifications

Outside Dimensions

Inside Dimensions Width Length Height

11.00" x 12.50" x 13.25"

9.00" x 9.00" x 8.88"

Material of Construction PVDF Plastic

Drain Port ½" MNPT

Stainless Steel Tank Mechanical Specifications

Outside Dimensions

Inside Dimensions Width Length Height

12.50" x 12.50" x 10.50"

9.50" x 9.50" x 8.88"

Material of Construction Electro Polished Stainless Steel

Drain Port ½" MNPT

Model 6000 Mini-Meg Generator

Mechanical Specifications

Size Width 14.0", Length 14.0", Height 5.0"

Material of Construction Anodized Aluminum

Mounting Horizontal or Vertical

Electrical Specifications

Voltage Rating 208-240 VAC, 50/60 Hz

Current Rating Max 10 amps

Environmental Operating Range 0° to 27°C

Storage Temperature Range -25° to 50°C

Megasonic Amplifier Operation Specifications

Independent Power & Frequency Control for each RF Output

Number of Channels 2

Maximum RF Output per Channel 350 watts

Programmable RF Output Range 0 to 350 watts per Channel

Programmable Recipes / Channel 7

RF Output Power Tolerance +/- 10%

Output Designations Array 1, Array 2

Frequency Bands (Choice of 1) 750kHz, 950kHz

Frequency Resolution 100 Hz

Frequency Accuracy +/- 100 Hz

Programmable Sweep Functionality 1-10 KHz

RF Output Connectors DB15 Female connectors for each channel with internal safety loopback

Displays/User Interface

Power On/Off Switch

4 Line 40 Character LCD with keypad or PDA/LCD Touch Screen

Monitoring for Frequency vs. Time, Power vs. Time, and more

Facilities Requirements

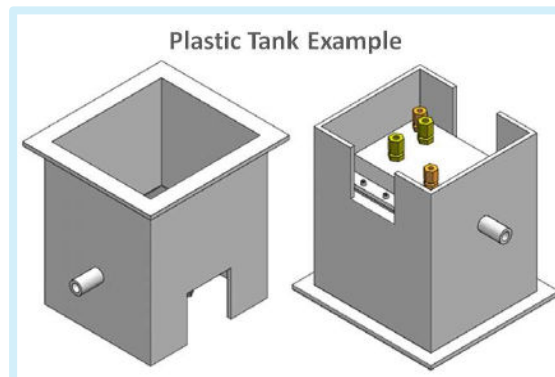
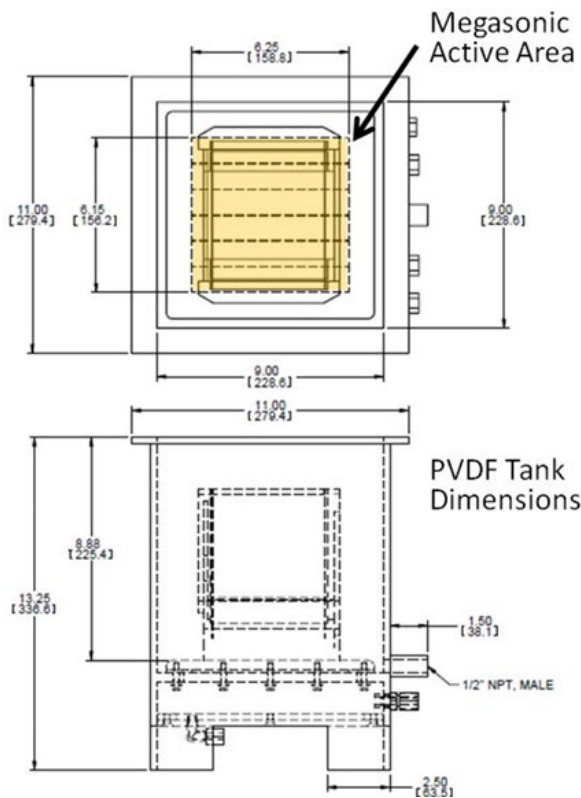
N2 or CDA supply 1-2 psi @ 1/4 scfm

PCT Certifications ETL File No. 567511 per UL 3101-1 and CSA 1010.1

CE EN 61010-1 European Safety Approval CE EN 55011 European EMI

Approval CE EN 50082-2 European ESD, RF, and Transient Susceptibility

Approval



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