

# **SOUND ATTENUATING CUBICLE (SAC) WITH ELECTRONIC SHIELDING**

ENV-017M-EMS / ENV-018MD-EMS / ENV-022MD-EMS

PRODUCT MANUAL

**DOC-277**

**Rev 1.0**

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Med Associates Inc.  
P.O. Box 319  
St. Albans, Vermont 05478

Phone: 802.527.2343  
Fax: 802.527.5095  
[www.med-associates.com](http://www.med-associates.com)

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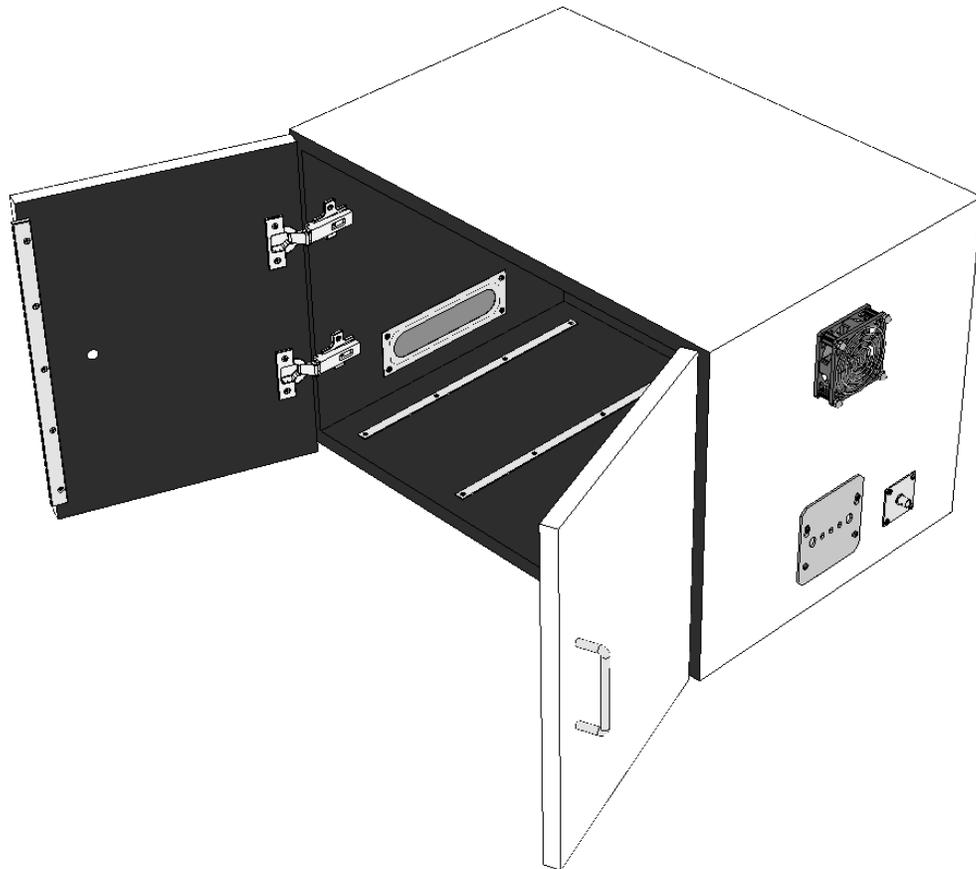
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## CHAPTER 1 | INTRODUCTION

The Sound Attenuating Cubicle (SAC) with Electronic Shielding is ideal for experiments combining electrophysiology with behavioral techniques. The SAC with electronic shielding is coated with conductive carbon paint on all interior surfaces and has a BNC connection port on the exterior of the cubicle that connects the entire SAC to an available earth ground in your laboratory, effectively turning the sound attenuation cubicle into a Faraday cage. (See **SG-220** Earth Ground Junction Box manual for means of grounding the cubicle.)

*Figure 1.1 - Sound Attenuating Cubicle (SAC) with Electronic Shielding*

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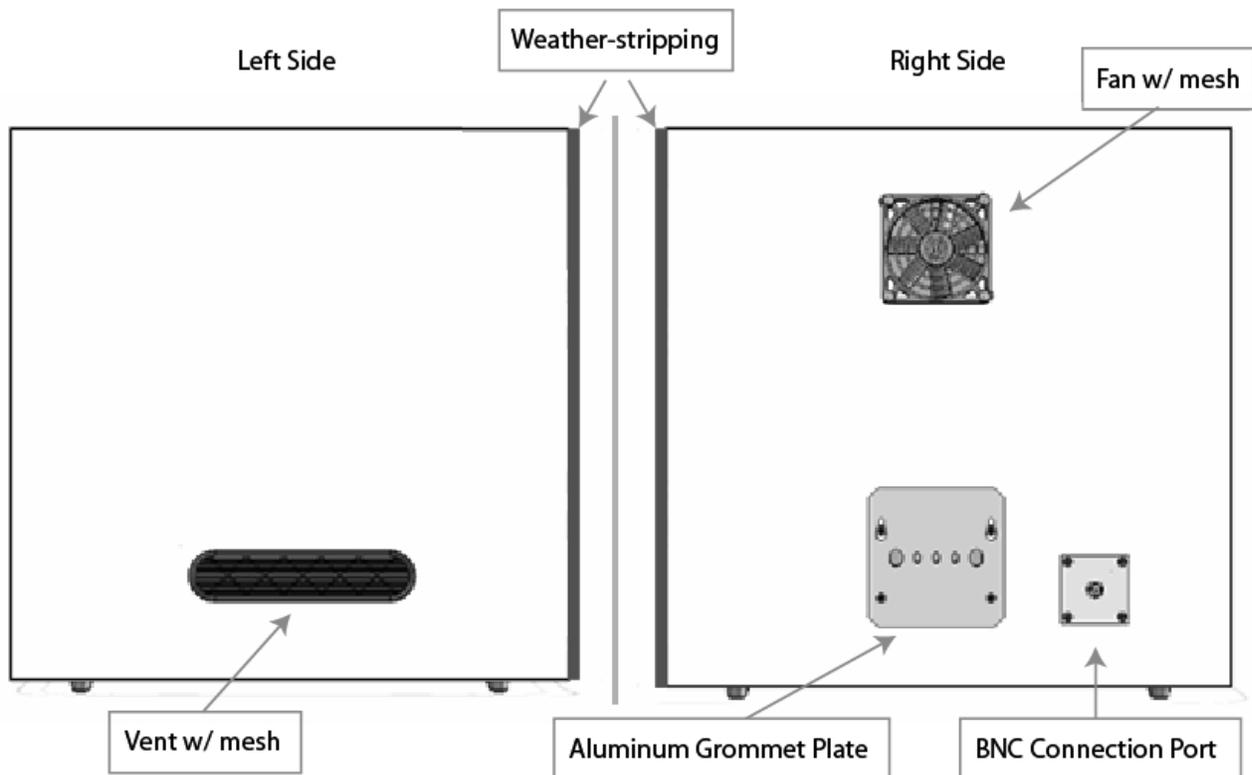


## CHAPTER 2 | HARDWARE

The Sound Attenuating Cubicle (SAC) with Electronic Shielding includes:

1. Conductive carbon paint applied to all interior surfaces of the SAC.
2. Conductive weather-stripping.
3. Aluminum grommet plate.
4. EMI omitting mesh vent.
5. Outside mounted 28V DC fan (ENV-025F) with EMI omitting mesh cover.
6. BNC connection grounding port. (Connect to SG-220 Earth Ground Junction Box)

*Figure 2.1 – Sides of SAC with Electronic Shielding*



## Appendix A | **CONTACT INFORMATION**

Please contact MED Associates, Inc. for information regarding any of our products.

Visit our website at [www.med-associates.com](http://www.med-associates.com) for contact information.

For technical questions, email [support@med-associates.com](mailto:support@med-associates.com).