



QuietShield



Features:

- ◆ Full turnkey solutions
- ◆ Complete line of options
- ◆ Versatile design capabilities
- ◆ High performance option
- ◆ Complies with industry standards

Versatile Design Capabilities

Our modular system can be easily modified to meet virtually any size requirement. Smaller enclosures are designed to be free standing structures while larger enclosures are tied into the parent room.

Our highly experienced team works directly with clients to ensure optimum room layout and conformity to both client and industry specifications.

Wide Range of Applications

Our system is suitable for practically any size enclosure; ranging from a shielded workstation to aircraft hangers.

Warranty

All Raymond EMC QuietShield systems come with a two year limited warranty against defective materials, craftsmanship and to retain the specified RF shielding effectiveness.



Customized options are available. Please contact us to see how we can satisfy your requirements.

QuietShield

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RF Shielding Performance Levels

- Magnetic Fields: 20 dB at 1 kHz rising to 55 dB at 10 kHz and 95dB at 200 kHz
- Electric Fields: 100 dB from 200 kHz to 50 MHz
- Plane Waves: 100 dB from 50 MHz to 1 GHz
- Microwaves: 100 dB at 10 GHz



Complete Line of Options:

- ◆ RF vestibules
- ◆ RF power line filters
- ◆ Internal electrical distribution
- ◆ RF signal filters
- ◆ Honeycomb waveguide air vents
- ◆ Bulkhead connector panels
- ◆ Copper screen panels
- ◆ Waveguide pipe penetrations
- ◆ Absorber and ferrite tile lining
- ◆ Architectural finishes
- ◆ Functional finishes

Applicable Industry Standards:

- IEEE STD 299 Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures. 1997
- ITSG-02 Criteria for the Design, Fabrication, Supply, and Installation and Acceptance Testing of Walk-in, Radio-Frequency-Shielded Enclosures. 1999
- UL 1283 Standard for Safety—Electromagnetic Interference Filters
- MIL-STD-220A Method of Insertion Loss Measurement for Radio Frequency Filters

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