

Shielded Enclosures

Our range of QuietShield™ systems and extensive list of options combine to create high-performance RF shielded enclosures (also known as Faraday Cages) for any application.

 **QuietShield™**
by REMC

Features

- Fully Customizable
- 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. Enclosures can be free-standing structures (typical for small sizes) or tied into the structure of the parent room.

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

Typical Closure Options

- Vestibules and RF-Shielded Lockways
- 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
- Custom options are available

Wide Range of Applications

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

RF Shielding Performance Levels

Magnetic Fields	20 dB at 1 kHz, rising to 55dB at 10 kHz and 95 dB 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

Applicable Industry Standards

IEEE STD 299	Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures. 1997
ITSG-O2	Criteria for the Design, Fabrication, Supply, and Installation and Acceptable 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 or Radio Frequency Filters



Two-year 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. Extended warranties are available.

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