

FLOOR STANDING CABINETS

EMC CABINET

The Electromagnetically Compatible (EMC) cabinet family from APW President is based on an extremely rugged steel 19" enclosure system. These cabinets provide a high level of RFI shielding so as to protect sensitive electronic equipment housed inside them against interference from external electromagnetic radiation. They also prevent radiation from internal equipment affecting other nearby delicate instrumentation.

These EMC cabinets have been carefully engineered to provide between 30 - 55 db of signal attenuation in the frequency range of 1 MHz - 1000 MHz. The RFI gaskets used are combination elastomer gaskets which provide not just radiation sealing, but environmental sealing as well. If enhanced shielding performance is required, Be-Cu gaskets can also be provided on request.

This family of EMC cabinets can handle upto 900 kgs of equipment load and have passed Zone3 Seismic testing. They can also meet Zone4 Seismic requirements with the addition of a simple Zone 4 Kit.



EMC cabinet shown fixed on a base



Inside of the cabinet showing internal surfaces plated for good electrical conductivity

Features

- Conform to DIN 41494
- Front and rear door made of 1.5mm thick sheet steel
- All doors and panels are electro zinc plated (with yellow chromate passivation) on the inside so as to provide high conductivity
- Doors are provided with strong hinges and a 3-pt locking system to ensure proper sealing against radiation
- Load rating upto 900 kgs

Sizes

Heights : 30U, 36U and 42U
Width : 600mm
Depths : 600, 800 and 1000mm

Material and Finish

Frame members are made of 2.0mm thick formed sheet steel, welded together and zinc plated, with yellow passivation.

- Doors, panels and covers are made from 1.5mm thick sheet steel. All external covers are powder coated RAL 7035 (Light Grey) or RAL 7032 Siemens Grey) on the outside, while the internal surfaces are zinc plated, with yellow chromate passivation, so as to ensure good electrical conductivity.



View of lower section of EMC

Scope of Supply

- Welded steel frame. Top/Bottom covers, two side panels, and front and rear doors, with optional louvering
- Bottom panel with gland plate for cable entry
- Two pairs of 19" equipment mounting angles, recessible



Louvres for airflow are backed by perforated grill



3-pt door locking mechanism with EMC gasket running alongside

Optional Accessories

- Rotary keyboard tray
- Castors with foot operated brakes
- Captive mounting hardware
- Stationary and sliding shelves
- Cantilever shelves
- Cooling fans, fan trays and FHU's
- Cable management accessories
- Cable control accessories
- AC mains channel
- AC distribution box
- Earth Continuity kit
- Base Frame



Hinge side of door showing earthing