

RF DOOR

Special Purpose RF Door

DESCRIPTION

Fully lined door designed to prevent the passage of electromagnetic radiation and RF radiation into and out of rooms.

APPLICATIONS

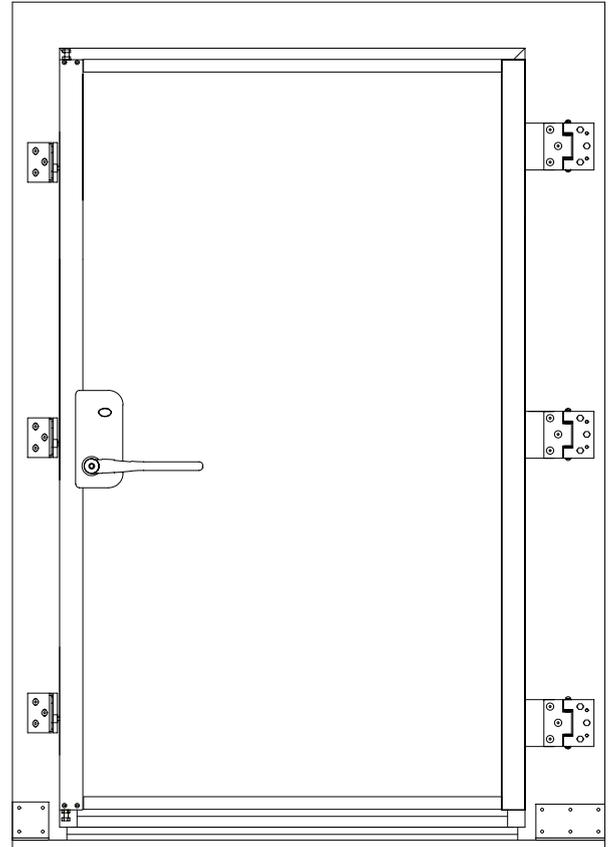
RF Doors are designed specifically for MRI (Magnetic Resonance Imaging) rooms in hospitals. They prevent electromagnetic (EM) and RF radiation from exiting the room, but more importantly prevent EM and RF radiation from entering the room and interfering with the imaging equipment. Designed especially for use with MRI and other RF equipment rooms in hospitals, laboratories, universities, etc.

FEATURES

- The door is also designed to achieve a high acoustic attenuation due to the high sound pressure levels developed by modern RF equipment
- The edges of the door are sealed with special seals which block EM and electrically link the door to the specially designed room, which is grounded
- Doors are available in RHH (right hand hinged) or LHH (left hand hinged), and open inwards, or open outwards
- The standard model has been designed to resist a particular range of electromagnetic radiation, and is not suitable for all applications - custom designs for other applications are available

FEATURES

- Custom designed Stainless Steel lever action handles supplied to both faces
- Heavy Duty adjustable hinges
- 3 point cam-action latching mechanism
- Ply or Stainless steel on outside face
- Incorporates electromagnetic resistant seals to all 4 edges



Elevation of typical RF door assembly



Plan view of typical RF door assembly

HOW TO SPECIFY

"Door to be a Pyropanel RF Door, installed as part of a custom designed RF room".