

Gold Standard « Promise »

- Use only copper, proven to be most conductive and reliable RF medium
- Use only highest quality lumber and raw materials, filters and waveguides
- Use cement-based floor system for load bearing requirements and to minimize moisture issues
- Use 3mm di-electric to reduce grounding issues
- Continuously soldered floor
- Use full-time IMEDCO employees, not independent contractors
- Utilize 100% self-supported design wherever possible
- Respond promptly to Bid Invitations
- Offer the best Free-standing RF Shielding and component warranties in the industry
- Understand customer needs, site conditions and provide the optimal shielding solution
- Incorporate Magnetic Shield solutions that are 100% compatible with our COPPERSHIELD system
- Quickly reply to all service calls involving IMEDCO products and those of our competitors



Free-Standing **DESIGNS** Self-Supporting « Seismic »



Engineered Shield Designs

IMEDCO has developed a structurally engineered shield design that has been approved and successfully installed at sites for all Seismic Design Criteria (SDC) classes (A-F) throughout the US (including CA OSHPD) and Canada. The design is 100% free-standing and requires no structural support for the RF portion of the MRI shield. The design provides structural support surfaces for items suspended inside the RF enclosure (Magnet vendor cable trays, sprinklers, lighting, ACT ceiling) so they can be attached using normal seismic protocol. The end result is that our turn-key system is fully SDC compliant with minimal or no 3rd party structural engineering design support and will offer project savings by minimizing multi-discipline coordination and expenses yet still achieve the desired compliance.



- Minimizes design time and complexity
- Reduce structural support cost
- Eliminates logistical issues for MEP sub-contractors
- Reduces installation time in the field

Customer Benefits

- A fully self-supported and isolated room within a room provides a remarkably effective acoustic shield that will reduce noise transmission to surrounding spaces

Pneumatic Seal **DOOR**

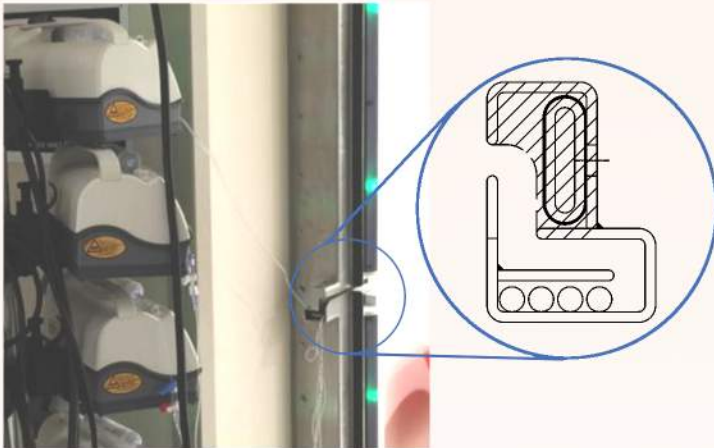
RF secured Entry « Soundproof »

- Secured access
- Release & Re-set time < 1 second
- Zero-frictional forces needed to manually open/close
- Fail Safe Release plus Emergency Override
- Flat Threshold
- Adjustable hinge for long-term alignment
- Acoustically rated
- Compressor Included
- Auto Open/Close Compatible
- Automatically seals when placed in closed position



IV Waveguide

Door frame « Integrated »



Integrated IV Waveguide

There are occasions when certain hospital and research MRI sites have patients or subjects that must remain on critical meds or anesthesia during scanning. This Pass-Thru waveguide design will accommodate up to 4 IV lines. The lines can be set in IMEDCO's maze concept without risk of damage. Since the bladder seal retracts every time the door is unlocked, this will permit convenient access to the waveguide any time the door is open. This design can be uniquely incorporated into our Pneumatic Seal RF door design.

Choose Access Control



Keypad

Enter code to release the RF Lock-seal enable door to be opened. Several programming techniques available, including multiple user codes and lockout codes.



Push-Button

Push button will release the RF Lock-seal and unlock the door.

Optional keyed lockout will enable or disable push button. Once switch is in on position the push button will release the RF Lock-seal and unlock the door.



3rd Party Card Reader

3rd Party Card Reader will provide 24V power to seal and release the RF Lock-seal and unlock the door.

Emergency Button

The Exterior / Interior Emergency Open button will remove power from the door and release RF Lock-seal until reset. Audible alarm will sound when cover is lifted to alert staff that the lock system is being bypassed.

Back-up and Emergency Power

Standard

If power fails, RF Lock-seal will release and door can be opened.

Battery Back-up Option

If power fails, Battery will keep RF Lock-seal functional to complete scan and operate for 24-48 hours. Access controls will remain operational as long as air remains in compressor.

Door system on Emergency Power

If power fails, RF Lock-seal will remain functional and access controls will remain operational as long as air remains in compressor.

Compressor and Door system on Emergency Power

RF Lock-seal will remain functional and all access controls will remain operational.



Innovative Solution

Back in 2003, IMEDCO was the first shield vendor to develop a method to allow multiple IV lines to be run through the Entry door without risk to the lines and compromise to the RF seal integrity.

That first prototype has now evolved into one of the most simple and effective designs that is available today. It is especially valuable for Neonatal and ICU patients.