

SilentSHIELD™ soundproofed RF Door for MRI

A critical part of the RF shielding of an MRI room is the door. While having to fulfil its primary task of shielding RF fields, it must be easy for technicians to use, perform its function over a long period and look attractive to reassure patients. Because of its lightweight construction, ergonomically designed handles and safety release on the inside, the IMEDCO® RF door is easy and safe to use.

The power of MRI equipment is increasing continuously to meet the demand for better and faster images and this trend is expected to continue. The more powerful equipment generates more audible noise and is likely to come into conflict with stricter health and safety regulations on workplace sound levels. IMEDCO has therefore introduced the new **SilentSHIELD** RF door with soundproofing.

The sandwich structure of the new door with a core of insulating material and a newly designed acoustic seal around the edge reduce the noise level outside the room by more than 40 dB.



Features

- Excellent **SilentSHIELD** soundproofing characteristics ($R_{f1600} = 44$ dB, $R_w = 40$ dB)
- Acoustic testing by an independent laboratory according to standard ISO 140/717
- Special sliding acoustic seal designed for easy opening and closing
- Standard dimensions 1200 mm x 2100 mm
Other sizes also available
- High RF attenuation
- Optional lock with safety release on the inside
- Flush threshold permits free access for beds, wheelchairs and helium dewars
- Easy and quick replacement of all parts subject to wear such as contact fingers and the soundproof seal
- IMEDCO works quality management certified according to ISO 9001
- U.S. Patent Pending

Medical RF & Magnetic Shielding Specialists – Worldwide

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