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Copper RF shielded enclosures
Specially designed for high field MRI systems

CopperSHIELD





Copper RF shielded enclosures for high field MRI systems

HAMACO copper shielded RF enclosures are specially designed for high field MRI systems. HAMACO RF shielded enclosures provide high sound damping properties by means of a self supporting, modular concept design with integrated inner and outer wall panelling.

HAMACO RF shielded enclosures are available in four different delivery lines with constantly long term, very high attenuation shielding. Adjusted to the MRI system all delivery lines can be individual equipped from a wide variety of equipment.

All HAMACO copper RF shielded enclosures fulfil the specification for medical RF shielded enclosures as well as the regulations for medically used rooms including fire protection. The modern, system modular design allows the installation of very heavy magnets as well as magnet transfer by simply removal of the wall panels.

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Short description

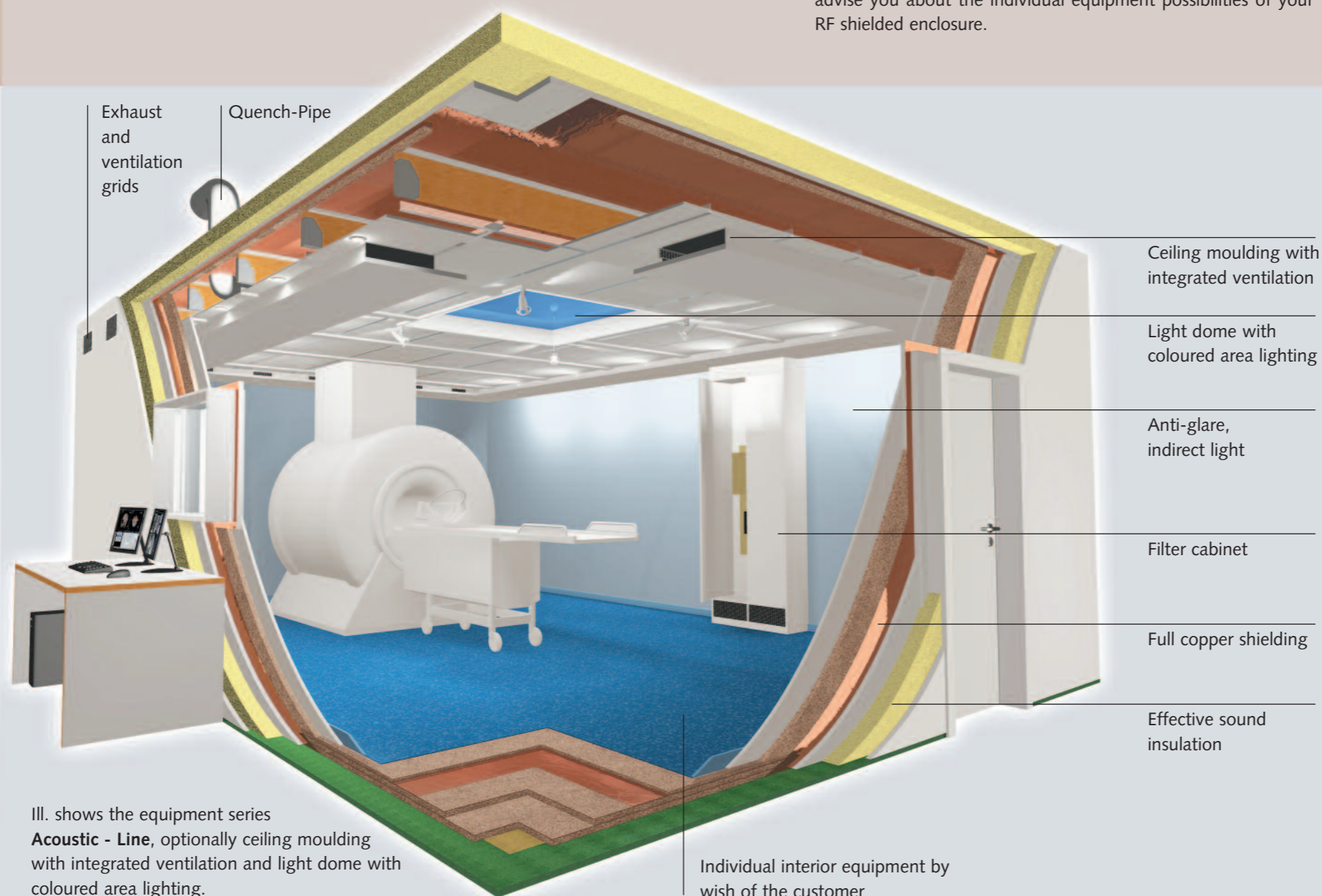
- For closed high field magnets
- Optimised sound protection
- Reliable attenuation of shielding
- Four equipment series
- Individual equipment possible

Technology

- Unsupported and modular construction
- Integrated outer wall panelling
- Full interior
- Interference-free viewing window

HAMACO-Service

- Individual consulting and planning
- Pre-fabricated ex factory
- Short assembly times including magnet transfer „just-in-time“
- Basically clean assembly
- Ready to use handover
- Immediate operation possible



III. shows the equipment series **Acoustic - Line**, optionally ceiling moulding with integrated ventilation and light dome with coloured area lighting.

Pre-fabrication, assembly, construction

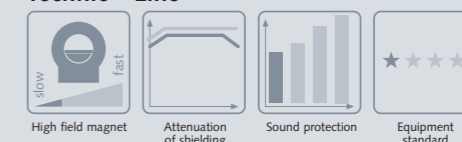
All components of the RF shielded enclosures are fully pre-fabricated. The delivery and assembly of the components is quick and basically clean. The installation of the RF shielded enclosure is performed in only five days. This includes all ready the full interior finishing, the magnet transfer and all necessary system components.

Equipment and accessories

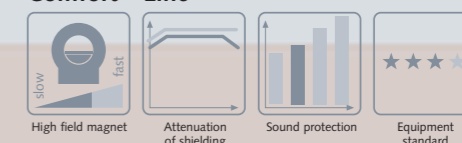
Among other things, the standard equipment includes a smooth-running access door, an interference-free viewing window, and all necessary system components. Please see the brochure Equipment and Accessories for further information. We gladly advise you about the individual equipment possibilities of your RF shielded enclosure.

Equipment series

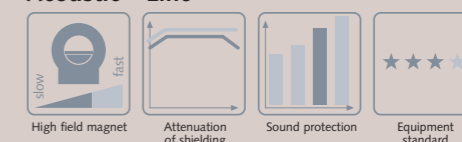
Technic - Line



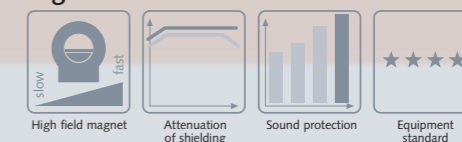
Comfort - Line



Acoustic - Line



High - Performance - Line



Floor, wall and ceiling construction

Cross-sectional view shows construction of the equipment series **High - Performance - Line**



Magnet foot bearing in the system floor integrated on special attenuation elements