

Gas Tight Doors



European EMC Products manufacture high performance steel, knife edge, Gas Tight Doors and frame sets using closed cell neoprene gasket as the sealing agent. These doors are designed for high specification commercial and military applications which also require robust design, wash down capability and easy change of seals.

- The knife edge contacts are on the door leaf.
- Door leaves are galvanised steel with a paint finish. Colour to be advised.
- Door frame is designed for bolting into the shielded room frame. Sealing gasket is included.
- 3 no. plated steel door hinges ensure a smooth operating action.
- Manual 2-point latching system.
- All types of locks and monitoring equipment can be integrated if required.
- NBC (Nuclear Biological Chemical) capabilities.



Manufacture and Installation

All doors are fabricated in our modern factory in Saffron Walden, United Kingdom. EEP have their own installation personnel and supervisors to ensure installation is carried out quickly and effectively. In addition, we also offer a maintenance and spares support service worldwide.

Typical Performance

| Pressure Difference (Pa) | Leakage Rate ltr/m/hr |
|--------------------------|-----------------------|
| 50 | 5 |
| 100 | 15 |
| 200 | 35 |
| 500 | 115 |



Leakage rate defined as litres of air per linear metre of door seal per hour, i.e. a 2mH x 1mW door has 6 linear metres of seal.

References

Jurong Island Gas Terminal
Bahrain Defence Forces
United Kingdom Ministry of Defence, various sites
United States Navy, RAF St Mawgan
United States Air Forces, RAF Mildenhall
Astra Zeneca, Research Centre Cambridge United Kingdom
Water Authorities, various Water Treatment Plants



Pressure Test Chamber

About Us

Established in 1996, European EMC Products (EEP) are an established British company whose experience and understanding of the science of shielding makes it an ideal partner in whom you can place your trust with confidence. The purpose of installing EEP shielding systems is to protect people and equipment against the threats posed by electromagnetic and radio frequency (RF) interference, radiation, magnetic fields and electromagnetic pulses. Our diverse range of turnkey products and services, including design, project management, testing and consultancy are delivered across multiple sectors to an international client base.

Quality

European EMC Products Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, assembly, installation, servicing and testing of RF Shielded Structures and equipment including EMI Shielding, Blast Doors, Gas Tight Doors and specialised mobile Electromagnetic Pulse Protection (EMPP) containers.
Radio Frequency, Magnetic Shielding and Quench systems for MRI (Magnetic Resonance Imaging) scanners.
The design, assembly and installation of Ionising Radiation Protection facilities.
The design, manufacture and installation of LED lighting systems for medical applications.
EEP Filters Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, manufacture, management of installation and testing of high performance EMC and EMP Power and Data Line Filters.

Disclaimer

NB: All the information provided within this datasheet is for reference only. Product specifications are subject to change without notice.