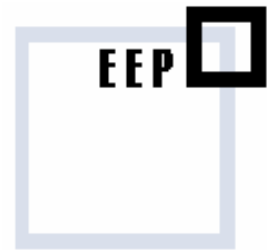


GAS TIGHT DOORS



European EMC Products Ltd

Door Description

EEP Ltd gas tight doors are constructed of double skinned carbon steel. The door frames are of profiled steel with a flange for bolting into the host building structure.

Each door is complete with multi-point manually operated latching mechanism and replaceable neoprene gas seals.

Stainless steel handles on the latching mechanism, and heavy duty door closers on active leaf.

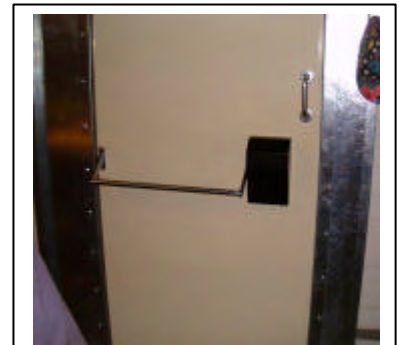
Door leaves and frame are finished in a hard wearing paint.

Door threshold typical height is 32mm

Standard Specification

Pressure Difference (Pa)	Leakage Rate ltr/m/hr
10	1.5
50	5
100	15
200	35
500	115

Higher levels of performance can be achieved with special designs, Contact EEP for information.



Gas-tight door with emergency latch mechanism



Gas tight double leaf door with 2 point latching.



Small single leaf gas tight door with before installation

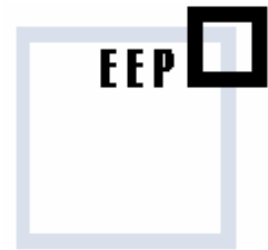
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GAS TIGHT DOORS



European EMC Products Ltd

Test Procedure for Gas-Tight Doors

Tests are carried out in a specially prepared chamber as defined in British Standard (BS) 7268. The door under test is supplied and mounted into the test chamber frame. The frame is sealed as specified in the BS to ensure no leakage around the frame which would cause errors in the results.

The air leakage is measured by a calibrated valve mounted on the test room wall.

The internal room is pressurised using a series of air blowers. The pressure is built up to the initial test pressure over a period of 30 minutes this ensures any obvious leaks due to faulty mounting of the test door are noted early.

Full pressure is held for a period of 1 hour during which time the total volume of air leaking from the door is measured and a visual check made on the door frame and gasket.

If tests are being carried out at several pressures there is an interval of 1 hour between tests and the pressure is equalised between tests.

Maintenance Schedule for Gas-Tight Doors

The performance of the Gas Tight doors can be seriously impaired by apparently unimportant fixings, modifications or damage.

Periodic inspection and cleaning is required with respect to certain features as detailed below.

Maintenance to any part of the doors must be carried out by approved personnel.

Failure to comply with the following information could result in doors degradation to a point where they could be rendered inoperative.

The nature of this type of door is such that it will form a vital part of the building primary shielding and as such requires carefully planned and executed cleaning and maintenance.

This type of door / frame is of sheet steel construction and incorporates a special 'knife-edge' which compresses the neoprene gas seal.

- a) Ensure that the door operates correctly and that the contact edge is in correct alignment with the neoprene gas seal.
- b) Lubricate hinge pins and latch mechanism with a suitable light mineral oil.
- c) Inspect knife edge contact and neoprene gasket for damage.

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