Descriptive

The inflatable seal door is designed for maximum air tightness capabilities and makes it suitable for critical airlock situations.

This door ensures a perfect tightness and maintains barrier integrity in high containment applications where air leakage is not accepted, such as research laboratories, bio-safety level for BSL 3 to BSL 4, and pharmaceutical or medical cleanroom.

Single leaf thicknesses 60mm flush both sides. Airproof assembly type doors leaf with welded corners. Integral door frame 4 sides solution with no need for a floor threshold.

Finish in steel sheet lacquered or stainless steel.

Available in a range of sizes or to suit specific requirements.

Soundproofing and heat insulator - rock wool core M0 (density 100 kg/m³)

Invisible flexible connection between the doorframe and leaf. Inflation of the seal around the circumference of the door leaf.

Air tightness with inflatable seal 2.5 bars (medical air) - range EPDM

Reinforced stainless steel hinges with bearing

Control system: Red - green status light / button

Closing system by flush electromagnetic magnet (300 DaN)

Stainless steel pull handle.

Leakage flow rate measurements: 0 m³/hour under 30 Pascal

Double flush view panel 450 mm x 600 mm

Available in 304 L or 316 L stainless steel 220 grain polish

Command box including compressor and air tank to run the inflatable seal system and control the air tightness.

Options:

Badge reader, Door frame’s adaptations for walls panels, concrete or existing masonry, Door closer, Flush fumigation socket, Inductive detector on door, alarm detector, Automatic door operator, Access control unit, Alarm buzzer, Reserve of compressed air, Interlocking doors with programmable logic controller (one or several doors), Interlocking doors interfaced with sterilization / disinfection system

Other options on request

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