

# AIRTIGHT DOOR

## FOR SURGICAL SUITES AND CONTROLLED ENVIRONMENT ROOMS

HOSPITALS/LABORATORIES



### SWING DOOR

SP250  
SP250 HP  
SP250X  
SP250X HP

## DESIGNED TO MEET HYGIENE AND DECONTAMINATION REQUIREMENTS

- The **SP250** airtight door was developed to **keep sensitive rooms airtight** and **effectively combat the risks of contamination** (bacterial or particulate).
- It is designed for surgical suites, laboratories clean rooms and other controlled environment premises.



### FEATURES & BENEFITS



Very high airtightness performance



Optimum decontamination and hygiene: porthole flush on both sides, smooth, rounded shapes



Materials unaffected by cleaning products.



Test certificates approved by certified laboratories



Large choice of laminate finishes



### HIGH-PERFORMANCE AND VERSATILE

The **SP250** airtight door, available with one or two leaves, comes in the following versions:

- **SP250**, standard version
- **SP250 HP**, **High Performance** version to meet the most stringent standards.
- **SP250X**, **X-ray protection** version with lead-lined leaf, door casing and porthole, developed to protect staff and patients from the X-rays used in medical imaging
- **SP250X HP**, **High Performance X-ray** version with enhanced airtightness

It can also meet other more specific needs:

- **SP250 STILLROOM®**, **soundproofed** version with sound attenuation of up to -35dB
- **SP250** single-leaf **AIR&FIRE STOP®**, **EI30 fire-resistant** version

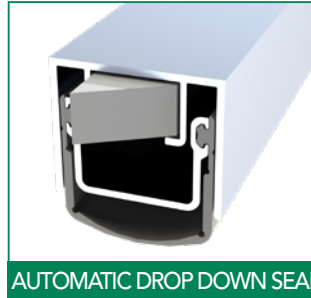
## TECHNICAL CHARACTERISTICS

### DOOR FRAME

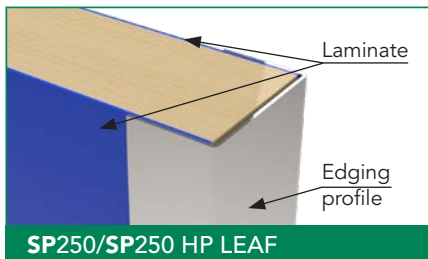
- **SP250:** Aluminium door frame.  
Casing and inner casing made of aluminium profile with rounded edges and a 15µ natural anodised or powder-coated finish,
- **SP250:** Grade 304L or 316L stainless steel door frame, casing and inner casing adapted to the partition,
- **SP250X:** Aluminium door frame with inclusion of lead shielding,
- **SP250X HP:** Grade 304L or 316L stainless steel door frame with inclusion of lead shielding,
- Replaceable silicone perimeter seal.

### DOOR LEAF

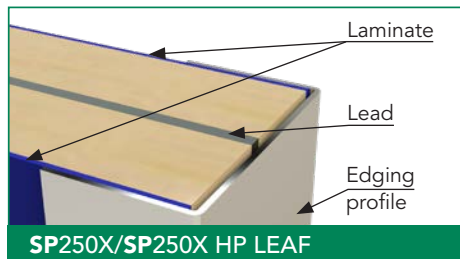
- **Made of antibacterial HPL laminate** with either Acrovyn® surface, a pre-coated steel sheet (25µ or 55µ PET), a powder-coated aluminium sheet or grade 304L or 316L stainless steel,
- Protected by an aluminium or brushed stainless steel round-edged edging profile,
- Grade 304L stainless steel handles and hinges,
- Automatic drop-down seal with silicone gasket ensuring the door is airtight at ground level,
- Insertion of a lead sheet for radiation protection for the **SP250X** and **SP250X HP** airtight X-ray protection versions.



AUTOMATIC DROP DOWN SEAL



SP250/SP250 HP LEAF



SP250X/SP250X HP LEAF

## TECHNICAL PERFORMANCES:

### AIRTIGHTNESS PERFORMANCE

	SP250/SP250X	SP250X/SP250X HP
Leakage rate, single-leaf door:	< 2.21 m <sup>3</sup> /m <sup>2</sup> /h at 20 Pa < 3.78 m <sup>3</sup> /m <sup>2</sup> /h at 50 Pa	< 0.43 m <sup>3</sup> /m <sup>2</sup> /h at 20 Pa < 0.75 m <sup>3</sup> /m <sup>2</sup> /h at 50 Pa
Leakage rate, double-leaf door:	< 1.12 m <sup>3</sup> /m <sup>2</sup> /h at 20 Pa < 1.84 m <sup>3</sup> /m <sup>2</sup> /h at 50 Pa	< 1.50 m <sup>3</sup> /m <sup>2</sup> /h at 20 Pa < 2.77 m <sup>3</sup> /m <sup>2</sup> /h at 50 Pa

Lead shielding 1 to 4 mm thick for the X-ray versions

## OPTIONS

- Laminated glass porthole/vision panel flush on both sides,
- Vision panel with integral Venetian blind,
- Large choice of colours and laminate finishes,
- Acrovyn or brushed stainless steel kick plates,
- Airlock interlocking: interlocking using flush-mounted electro-holding magnets,
- Access control with keypad or biometric system,
- Door closer,
- Crash bar,
- Automatic kit,
- Adjustable air transfer grid,
- Specific door frames or fastening systems to meet your needs, for renovation jobs in particular.



## SWING DOOR

**SP250**  
**SP250 HP**  
**SP250X**  
**SP250X HP**

