



SkySas EV

The elegant solution for enhanced security



Manual Attack Resistance



Ballistic Resistance



Access Flow



Emergency exit



Recyclable product



Eco-design

Models: SkySas EV7S, SkySas EV7M, SkySas EV7L, SkySas EV9S, SkySas EV9M, SkySas EV9L



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With a surface area that is 80% glass, the transparency of the SkySas EV security airlock removes any feeling of claustrophobia, ensures ease and comfort of use and is especially suited to premises that are open to the general public

The sleek, streamlined design of the SkySas EV harmoniously integrates into its existing surroundings, fitting in discreetly whether installed inside or on the facade of the building.

Fitted with two sliding doors, it features the most accurate metal detection system on the market, compliant with NILJEC international standards.

SkySas EV guarantees security perimeter continuity and meets the highest standards for ballistic resistance. In its swing door version, it is the only security airlock to be totally certified for ballistic resistance of up to level FB4 (EN 1522).

A broad range of detection systems can be installed, meeting the requirements of most client security issues.

Some versions of the SkySas EV are compliant with the “emergency exit” regulations.

Benefits

1. Metal detection.
2. FB4 ballistic protection certification for the side hung door airlock model.
3. Purity of design and transparency.

Design

Construction

- Gunnebo® patented aluminium section doors and walls.
- Laminated glass security panel.
- Melamine ceiling.

Opening system

- Automatic sliding door.
- Manual electrical locking side hung door.

| Locking system | | Fail-safe | Fail-secure |
|----------------|--|-----------|-------------|
| Sliding door | | ● | – |
| Side hung door | Electro piston lock | ○ | ○ |
| | Surface-mounted motorised lock | – | – |
| | SeRitz 3000 electrically-operated bolt | ○ | ○ |

Finish

Powder coated paint.

| COLOUR | STRUCTURE |
|------------------------|-----------|
| Light Grey RAL 7035 | ● |
| Dusty Grey RAL 7037 | ● |
| Aluminium RAL 9006 | ● |
| White RAL 9010 | ● |
| Other RAL colours | ○ |

Resistance level

| | | |
|---|------------------|---|
| Vandalism resistance (EN 356) | P5A | ● |
| Manual attack resistance (EN 356) | P6B to P8B | ○ |
| Manual attack resistance (EN 1627) ¹⁻² | Up to equiv. RC4 | ○ |
| Ballistic resistance (EN 1063) | BR3-S to BR5-S | ○ |
| Ballistic resistance (EN 1522) ² | FB2 to FB4 | ○ |

1. Door mounted into either the facade or the brickwork.
2. Side hung door.

Operation

- In standby mode, both doors are closed and locked. During usage, a door can only open if the other door is closed and locked.

Entry

- Automatic mode: each door opens as soon as it receives an opening request.
- Controlled mode: a control console controls the opening of the inner door or of both doors.
- Closed mode: entry is not possible.

Exit

- It is possible to exit the airlock in all operating modes. Exit is not controlled.

Control and Detection

- Opening requests can be issued by commands from call button, detection (radar) and/or access control equipment (card reader, biometrics...).
- Use of the airlock is rendered secure by presence detection equipment which can be used in conjunction with single person detection equipment.
- A metal detection capability integrated into the outer door enhances the quality of entry screening.

| OPENING REQUEST | |
|---------------------------------|---|
| “Touch” sensitive call button | ● |
| Presence detection | ○ |
| Card reader (not supplied) | ○ |
| Biometric reader inside airlock | ○ |
| First entry key (for staff) | ○ |

| DETECTION SYSTEM | | | |
|----------------------------------|----------|---------------|-------|
| | Presence | Single person | Metal |
| Contact mat | ○ | ○ | – |
| Active IR radar | ● | – | – |
| IR beam array (UniRitz II) | – | ○ | – |
| Standard metal detection | – | – | ○ |
| High-sensitivity metal detection | – | – | ○ |

● Standard ○ Optional – Not available

User Safety

- The SkySas EV 900mm passageway models fitted with sliding doors or SeRitz 3000 SP locks enable regulatory requirements for emergency exits to be met.

In the event of an emergency,

- If the locks are fail-safe type, the doors can be electrically unlocked and the airlock evacuated either by an external command (fire alarm signal) or a break-glass unit. When located in a secure zone, the break glass unit can be used to unlock both doors. When located within the airlock, it can be used to unlock the door that leads to the outside.
- If the locks are fail-secure type, a cylinder (maybe a knurled button – optional) is used to mechanically open the door.
- People using automatic doors are protected by infrared sensors and by the force of the motor being checked.

In the event of a power failure, the airlock can be operated by battery backup for up to 2 hours (depending on how often it is used).



Optional Equipment

| |
|-----------------------------------|
| Control console |
| Secondary console |
| Intercom |
| Voice synthesizer |
| 24 hour battery backup |
| Additional door contact for alarm |
| Break glass unit |
| Mechanical lock |
| High-security cylinder |
| Pre-cabling for access control |

Technical data

| | |
|------------------------------|----------------------------|
| Structural opening | H+10mm, W+10mm |
| Floor | Finished |
| Floor level | +/-5mm |
| External Facade installation | Yes ¹ |
| Airlock delivery | Dismantled |
| Glazing delivery | Dismantled |
| Maintenance accessibility | 100mm clear above |
| Power supply ² | 110/230Vac, 50/60Hz |
| Operating voltage | 230Vac ³ /24Vdc |
| Consumption ⁴ | 500W |
| Ambient temperature | 0°C/+40°C |
| Relative humidity | <90% with no condensation |
| Cable routing | From top on lock side |
| Control unit located | Remote (10m or 20m) |

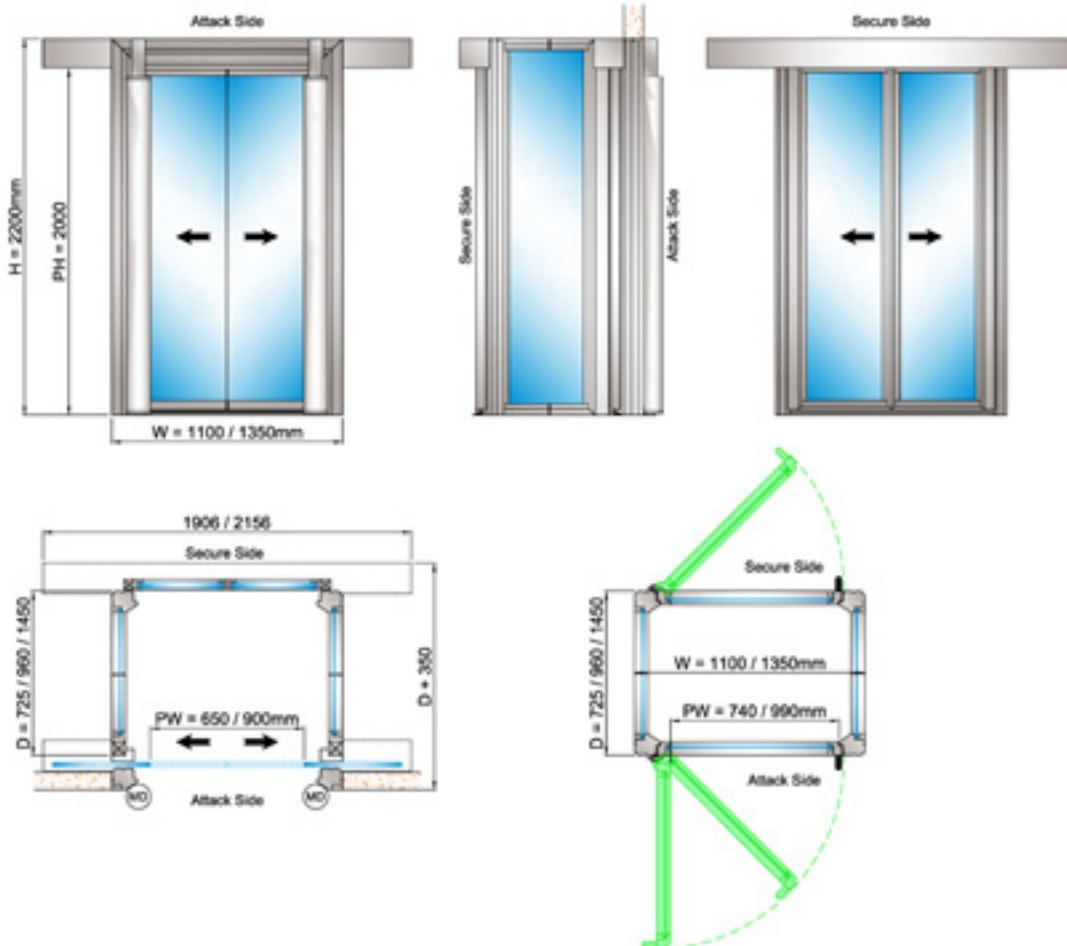
1. If metal detection option is chosen this is installed inside the airlock.
2. Power supply provided by the client with protection system in compliance with regulations (10A/30mA).
3. Only for sliding door airlock.
4. Single airlock with sliding doors.

Functional Data and Dimensions

| | | | |
|---------------------|-------------------|-------------------|--------------------|
| Side hung door flow | Sliding door flow | Disability access | Emergency exit |
| 5 people/minute | 4 people/minute | No | EV9S - EV9M - EV9L |

| DIMENSIONS (MM) | | | | | | |
|-----------------|--------------------|--|---------------------|----------------------|------------|--|
| | W Overall Width | PW Passage Width | H Overall Height | PH Passage Height | D Depth | Weight (Kg) |
| SkySas EV7S | 1100 | 740 ¹ 650 ²⁻³⁻⁴ | 2200 | 2000 | 725 | 301 ¹ – 383 ² 593 ³ – 622 ⁴ |
| SkySas EV7M | | | | | 960 | 331 ¹ – 413 ² 623 ³ – 652 ⁴ |
| SkySas EV7L | | | | | 1450 | 393 ¹ – 476 ² 686 ³ – 714 ⁴ |
| SkySas EV9S | 1350 | 990 ¹ 900 ²⁻³⁻⁴ | | | 725 | 325 ¹ – 397 ² 622 ³ – 639 ⁴ |
| SkySas EV9M | | | | | 960 | 356 ¹ – 428 ² 653 ³ – 670 ⁴ |
| SkySas EV9L | | | | | 1450 | 421 ¹ – 492 ² 718 ³ – 735 ⁴ |

1. Side hung doors, no metal detection.
2. Side hung doors, with metal detection.
3. Sliding doors, no metal detection.
4. Sliding doors, with metal detection.





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