



SkySas CU

A solution to fit your needs



Manual Attack Resistance



Ballistic Resistance



Blast Resistance



Access Flow



Disabled access



Emergency exit



Recyclable product



Energy savings



Eco-design



Smart Intrusion Solutions

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The aluminium SkySas CU airlock is modular and can be adapted to suit most architectural constraints while remaining in compliance with disability regulations

Made-to-measure at our factories, SkySas CU can be configured in a wide range of alternatives in terms of shapes, finishes and numbers of accesses.

Depending on your specific security requirements, you can mix different resistance levels – manual attack, ballistic and blast resistance – and incorporate various detection devices (presence, single-person detection, biometric recognition, metal detection).

The high levels of security it provides – together with its contemporary design – combine together harmoniously for either internal or external installations. It is appropriate for use by

the general public (head offices, the watch and jewellery industry...), as well as for more technical uses (banks, industry...).

Depending on version and dimensions, the SkySas CU can function as an emergency exit.

Benefits

1. Can be custom designed in relation to dimensions and shape.
2. Flexible operation.
3. Can combine different resistance levels.

Design

Construction

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

Opening system

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

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

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}	RC3 to RC5	○
Ballistic resistance (EN 1063)	BR3-S to BR6-NS	○
Ballistic resistance (EN 1522) ²	FB2 to FB6	○
Blast resistance ^{2,3} (EN 13123/4-1)	EPR1 to EPR3	○

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

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 command 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 buttons, detection equipment (radar) and/or access control equipment (card readers, biometrics...).
- Use of the airlock is rendered secure by presence detection equipment which can be used in conjunction with single-person detection equipment.

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 detection
Contact mat	○	○
Active IR radar	●	–
IR beam array (UniRitz II)	–	○

● Standard ○ Optional – Not available

User Safety

- The wide range of sizes in which the SkySas CU is available, together with the different types of locks available, means that it can meet the requirements of disability and emergency exit regulations.

In the event of an emergency,

- If the locks are fail-safe type, the doors can be electrically unlocked and the airlock evacuated 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
Airlock delivery	Dismantled
Panel delivery	Dismantled
Maintenance accessibility	100mm clear above
Power supply ¹	110/230Vac, 50/60Hz
Operating voltage ²	24Vdc
Consumption ³	150W
Ambient temperature	0°C/+40°C
Relative humidity	<90% with no condensation
Cable routing	From top on the lock side
Control unit located	Remote (10m or 20m)

1. Power supply provided by the client with protection system in compliance with regulations (10A/30mA).

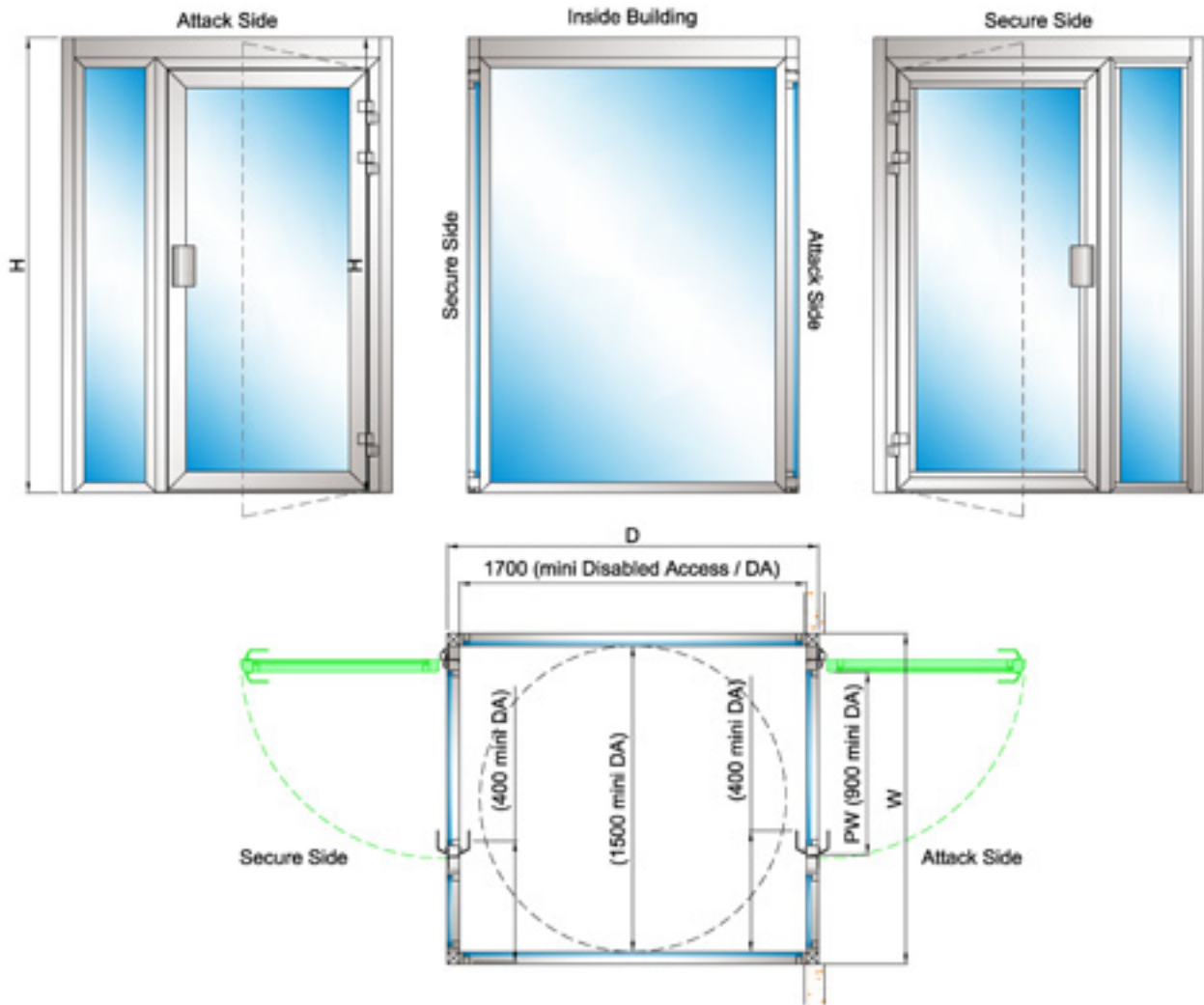
2. Only for sliding door airlock.

3. Single airlock with motorized SeRitz 3000.

Functional Data and Dimensions

Side hung door flow	Sliding door flow	Disability access	Emergency exit
5 people/minute	4 people/minute	Depending on dimensions	Depending on configurations

DIMENSIONS (MM)						
	W Overall Width	PW Passage Width	H Overall Height	PH Passage Height	D Depth	Weight (Kg)
SkySas CU	Free	Free	Free	Free	Free	Depending on dimensions





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