



SkySas BA

The all-in-one airlock



Manual Attack
Resistance



Ballistic
Resistance



Access Flow



Recyclable
product



Energy
savings



Eco-design

Models: SkySas BA9S, SkySas BA9L

GUNNEBO[®]
For a safer world



The SkySas BA has been designed to extend security perimeter and so ensure that vulnerable premises remain protected, combining control and easy transition

Its rectangular shape and the small footprint mean that the SkySas BA can fit easily into all spaces.

The slim design simply integrates into any type of environment, whether installed inside or on a building's facade.

The SkySas BA is resistant to vandalism and can optionally feature manual attack or ballistic resistance. It can be used in free access mode or can be integrated with access control – also single-person detection and/or identification – and therefore can meet most of your requirements.

The SkySas BA is delivered assembled and ready to install on a finished floor, minimising installation and commissioning.

Benefits

1. Rectangular single-unit airlock, transparent and sleekly designed.
2. Effective filtering of people flow and resistance to attacks.
3. Economic solution with minimal installation and commissioning.

Design

Construction

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

Opening system

Manual electrical locking side hung door using fail-safe electropiston.

Finish

Powder coated paint.

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

Resistance level

Vandalism resistance (EN 356)	P2A	●
Manual attack resistance (EN 356)	P6B	○
Manual attack resistance (EN 1627) ¹	RC3	○
Ballistic resistance (EN 1063)	BR3-S and BR4-NS	○

1. Door mounted into either the facade or the brickwork.

Operation

- In standby mode, both doors are closed and the outer door is unlocked (locked if access by external card reader).

Entry

- The user opens the outer door and enters into the airlock. The door closes once the user has entered.
- The detection system checks that someone is present in the airlock (using the 1-zone contact mat) or that only one person is currently using it (using the 2-zone contact mat).
- Once these checks have been carried out and as soon as the opening request has been received, the outer door locks and then the inner door unlocks.
- The user then opens the door and exits the airlock. The door closes and locks once the user has exited.

Exit

- Once the opening request has been received, the outer door locks and the inner door unlocks.
- The user opens the door and enters into the airlock.
- Once the door is closed and checks have been carried out, the inner door locks and the outer door unlocks.
- The user then opens the door and exits the airlock. The door closes and remains unlocked.

Control and Detection

- User checks are carried out by a combination of tried and tested access and detection systems built around simple technologies.

REQUEST AND DETECTION SYSTEMS			
	Free access airlock	Controlled access airlock	Identified access airlock
Request by push-button	●	–	–
Request by card reader ² (not supplied)	–	●	–
Identification by biometric reader inside airlock	–	–	●
Presence detection by 1-zone contact mat	–	●	–
Single person detection by 2-zone contact mat	–	○	●

2. Compatibility with most access control systems by using dry contacts.

● Standard	○ Optional	– Not available
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User Safety

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 (via the central unit) 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.

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

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

LED lighting

Technical data

Structural opening	H+10mm, W+10mm
Floor	Finished floor
Floor level	+/-5mm
External facade installation	Yes
Airlock delivery	Assembled ¹
Panel delivery	Assembled ¹
Maintenance accessibility	500mm clear above
Power supply ²	110/230Vac, 50/60Hz
Operating voltage	24Vdc
Consumption	100W
Ambient temperature	0°C/+40°C
Relative humidity	<90% with no condensation
Cable routing	From top on the lock side
Control unit located	On the ceiling

1. Can optionally be delivered dismantled.

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

Functional Data and Dimensions

Flow	Disability access	Emergency exit
4 people/minute	No	No

DIMENSIONS (MM)						
	W Overall Width	PW Passage Width	H Overall Height	PH Passage Height	D Depth	Weight (Kg)
SkySas BA9S	1170	877 ¹	2270	2045	725	250
SkySas BA9L		930 ²			1125	280

- 1. Opening to 90°
- 2. Opening to 180°



