



CompacSas EV

Optimum security with maximum flow



Manual Attack
Resistance



Ballistic
Resistance



Fire
Resistance



Access Flow



Recyclable
Product



Eco-design



Emergency
Exit

Models: CompacSas EV10, CompaSas EV12

GUNNEBO[®]
For a safer world



In a single product, the CompacSas EV airlock provides high-performance filtering and genuine ease-of-use

Both of the CompacSas EV's doors can operate simultaneously, thanks to a patented system, which guarantees an unrivalled flow-through rate but prevents unwanted people from "piggybacking" or "tailgating" behind other, authorized people.

With its reduced footprint and its folding door system, it's the ideal solution for installations in corridors or in areas with limited space.

To strengthen the level of control, the system of detection of presence in the airlock can be advantageously completed by a single passage detection system in entry and/or in exit.

Its automatic double side hung outer doors offer site security against manual attacks or fire, as well as ensuring emergency exit (in accordance with the EN 179 norm).

Benefits

1. Smooth flow of up to 8 people per minute.
2. Small footprint.
3. Emergency exit.

Applications

- Government buildings ;
- Administrative buildings ;
- Sensitive areas (Research Centre, Military base, banks, airports...)

Global Experience

- Global leader for security equipment of high-risk sites.
- Over 30-year global experience.
- International and local support infrastructure.
- Total control of engineering and manufacturing process.
- High-productivity and quality levels.

Design

Construction

ELEMENT	STEEL	ALUMINIUM	GLASS	EXISTING
Structure	●	–	–	–
Ceiling	●	–	–	–
Floor	–	–	–	●
External door	○	●	–	○
Internal door	–	●	–	–
Door Infill	–	–	●	–

Opening system

DOOR	OUTSIDE	INSIDE
Automatic side hung door	●	●
Fail-safe locking	–	●
Fail-secure locking	●	–
User safety devices	●	●

Finish

Powder coated paint.

COLOUR	DOOR
Light Grey RAL 7035	●
Dusty Grey RAL 7037	●
Aluminium RAL 9006	●
White RAL 9010	●
Other RAL colours for doors	○
RAL 7035 with granite finish (Wall & Ceiling)	●

Resistance level

PROTECTION	LEVEL	ALUMINIUM OUTER DOOR	STEEL OUTER DOOR	INNER DOOR
Vandalism resistance (EN 356)	P2A	●	–	●
Manual attack resistance (EN 356) ¹	P6B	○	–	–
Manual attack resistance (EN 1627) ²	RC 2	○	–	–
Ballistic resistance (EN 1063) ³	BR4-S	○	–	–
Fire resistance (EN 1634/1) ⁴	EI2 30	–	○	–

1. Manual attack-resistant glazing.

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

3. Bullet-resistant glazing.

4. Under conditions of certificates validity in the country.

● Standard	○ Optional	– Not available
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Operation

The CompacSas EV offers two operating modes:

- Rapid flow mode (opening of the inner door when the outer door is in the locked phase)
- Secure mode (opening a door if the opposite door is closed and locked)

In standby mode, the outer door is closed and locked. The inner door is opened (possibility to have both doors closed and locked)

Entry

- When an opening request has been received and if the airlock is empty, the inner door closes and locks before the automatic opening of the outer door.
- Once a person has been detected inside the airlock, the outer door closes and locks before the automatic opening of the inner door.
- Then the user exits the airlock and the airlock remains in the same state (inner door opened).

Exit

- The user enters the airlock. Once a person has been detected inside the airlock, the inner door closes and locks. The outer door opens and the user can exit the airlock.

Control and Detection

Control

- Opening requests can be issued by commands from call buttons, detection equipment (radar) and/or access control equipment (card readers, keypads, biometrics...).

OPENING REQUEST	ENTRY WAY OUTER DOOR	INSIDE AIRLOCK	EXIT WAY INNER DOOR
Sensitive push button	○	–	○
Presence detection	○	●	○
Access control (not supplied)	●	○	○

- use of the airlock is rendered secure by presence detection equipment which is used in conjunction with single-person detection equipment in entry and/or exit.

DETECTION	
Presence detection	●
Single-person detection in entry	○
Single-person detection in exit	○

Half airlock

- Option for a half airlock connected to an existing single-leaf outer side hung door. This should have specifications that are compatible with the environment into which it is being incorporated.
- It needs to have the equipment (existing or to be supplied) needed for servocontrol:
 - electric lock
 - call button or card reader
 - door contacts
 - emergency unlocking command
 - door-closer

Opening Direction	Overall height (mm)	Overall width (mm)
Airlock exterior	See overall dimensions	

User Safety

For emergency situations, various commands can be used to unlock both doors and evacuate the airlock:

- The outer door can be released from inside the airlock simply by manually operating the lever handle (in accordance with the EN 179 standard). The door then relocks automatically after opening.
- The inner door can be unlocked either by an external command (fire alarm signal), or by a break glass unit located in a secure zone.

In the event of a power failure, the airlock switches to safe mode (outer door closed and inner door open):

- People are protected by the force exerted by the mechanism being limited.



Other Equipment

LEDs lighting	●
Pre-cabling for access control	○
Break glass unit - for unlocking the inner door	○
Additional door contact for alarm	○
High-security cylinder	○
Safety radar on the outer door for use on public area	○
Intercom (inside or outside cabin)	○
Voice synthesis	○
Control console	○
1st entry key on outside door	○
Key contractor	○

Technical data

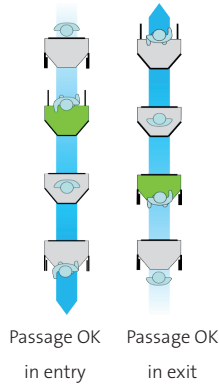
Structural opening	Height +10mm Width +10mm
Floor	Finished
Floor level	+/-3mm
External Facade installation	Yes under conditions ¹
Airlock delivery	Dismantled
Panel Delivery	Disassembled on D1 Assembled on D2
Maintenance accessibility	250mm clear above
Power supply ²	230Vac, 50Hz
Operating voltage	230 Vac and 24Vdc
Consumption	500W
Ambient temperature	0°C/+40°C
Relative humidity	<90% with no condensation
Cable routing	From top or the floor
Motor located	Into the ceiling
Control unit located	Into the side partitions (de-ported as option)

1. Possible with a canopy above the airlock - Consult Gunnebo.

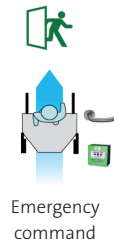
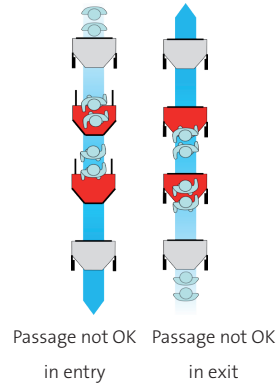
2. Power supply provided by the client with protection system in compliance with regulations (10A/30mA).

Functional Data and Dimensions

With presence detection

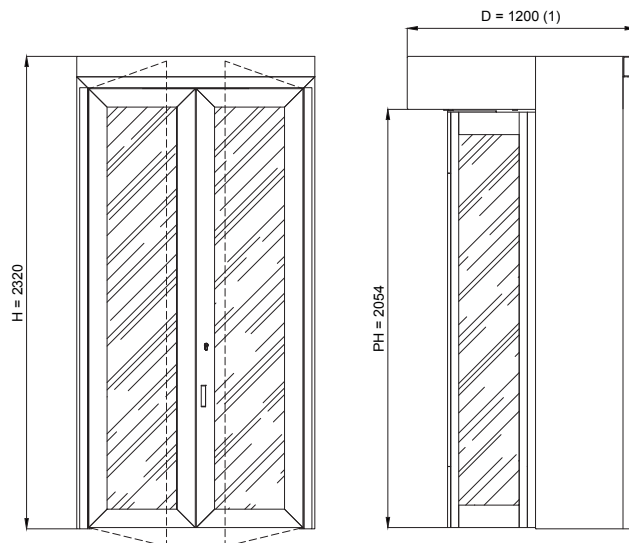
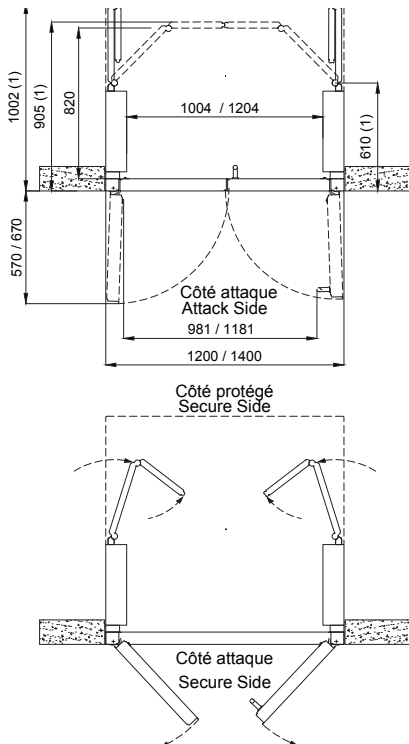


With presence and single passage detection (option)



Flow	Disability access	Emergency exit
8 people/minute	No	Yes

DIMENSIONS							
Models	W Overall Width (mm)	PW Passage Width (mm)	H Overall Height (mm)	PH Passage Height (mm)	D Depth (mm)	Floor Thickness (mm)	Weight (Kg)
CompacSas EV10	1200	1000	2320	2050	1200	0	400
CompacSas EV12	1400	1200			1205 (fire-resistant)	0	425



(1) + 5 mm pour pote résistante au feu extérieure
 (1) + 5 mm with Fire resistant outer door

Gunnebo is a leading provider of efficient and innovative security solutions and services to customers around the globe. It employs 5700 people in 32 countries across Europe, Asia, Africa, Australia and the Americas, and has a turnover of €580m. Gunnebo focuses its offering on Bank Security & Cash Handling, Secure Storage, Global Services and Entrance Control.

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