



UniSas EV

Shielded single-person airlock



Manual Attack
Resistance



Ballistic
Resistance



Access Flow



Recyclable
product



Eco-design

Models: UniSas EV7, UniSas EV9

GUNNEBO[®]
For a safer world



The UniSas EV is a shielded security airlock, designed to filter and protect staff working at all types of secure premises and areas for storing data or objects of value

By integrating various optional security solutions, it can meet all of your security and operational requirements.

The UniSas EV is a compact and standardised high-security system which, when mounted into a building's brickwork, provides break-in resistance of up to class 5, in accordance with EN 1627.

It is delivered dismantled on-site for installation on a finished floor in a building interior or mounted against its facade.

Benefits

1. Can combine physical and ballistic resistances.
2. Discreet and effective single-person detection.
3. Pass-tray integrated into the door.

Design

Construction

- Gunnebo patented aluminium section side hung doors.
- Solid¹ or laminated glass security panel.
- Steel security walls and ceiling.

Opening system

- Manual opening with electric locking.

Locking	Fail-safe	Fail-lock
Electro piston lock	●	○
Surface-mounted motorised lock	○	–
SeRitz 3000 electrically operated bolt	○	○

Finish

Powder coated paint.

COLOUR	DOOR	WALL/ CEILING
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) ²	RC3 to RC5	○
Ballistic resistance (EN 1063)	BR3-S to BR5-S	○
Ballistic resistance (EN 1522)	FB3	●
Ballistic resistance (EN 1522)	FB2 to FB4	○

1. Standard.

2. Door mounted into either the facade or 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 unlocks as soon as an opening request is received.
- Controlled mode: a control console controls the locking 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, together with high-performance 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
Contact mat	○	○
Active IR radar	●	–
IR beam array (UniRitz II)	–	●

● Standard ○ Optional – Not available

User Safety

In the event of emergency,

- if the locks are fail-safe type, the door can be electrically unlocked and the airlock evacuated by an external command (fire alarm signal) or a break glass unit. When located in the secure area, 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 (may be a knurled button – optional) is used to mechanically open the door.

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



Optional Equipment

Control console

Secondary console

Intercom

Voice synthesizer

Video module

24 hour battery backup

Additional door contact for alarm

Break glass unit

Mechanical lock

High security cylinder

Pre-cabling for access control

FB4-S pass-tray integrated into the door

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	24Vdc
Consumption ²	150W
Ambient temperature	0°C/+40°C
Relative humidity	<90% with no condensation
Cable routing	From above
Control unit located	Remote (10m or 20m)

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

2. With electro piston lock.

Functional Data and Dimensions

Flow	Disability access	Emergency exit
5 people/minute	No	No

DIMENSIONS (MM)							
	Pass through	W Overall Width	PW Passage Width	H Overall Height	PH Passage Height	D Depth	Weight (Kg)
UniSas EV7	Straight pass through	887	630	2130	2037	860	352
UniSas EV9		1087	830			860	402
UniSas EV7	Pass-through at 90°	962	630			962	381
UniSas EV9		1162	830			1162	456



