As one of the world’s leading security specialists, Gunnebo develops a wide range of outdoor and indoor solutions to secure property, people and valuables, and to control and regulate the flow of people.

Our range of products is designed to create secure environments for use with various applications, whether they involve low-risk or high-risk sites. It includes point-of-sale entrance gates, tripod turnstiles, entrance gates, speed gates, full height turnstiles, revolving doors and high-security airlocks.

Since required security levels vary not only from site to site, but also at different points within each site, our security airlocks provide the right levels of protection for sensitive areas - without compromising freedom of movement for authorised individuals or efficiency of operation within the site.

They provide protection against vandalism and manual attacks, as well as being ballistic and blast-resistant. Comprising at least 2 doors, one of which can only be opened when the other one is closed, airlocks extend a site’s security perimeter, ensuring that users are kept within a secure space while checks are carried out.
The right choice for the right need

Filtering and detection

The access mode selected is determined by the level of filtering required:
• In free access mode, passage through the airlock is only conditioned by the slaving of the doors.
• In access control mode, two checks need to be carried out in order for passage to be granted.
• In identification mode, the user has to be identified by an access control system (card reader, biometrics, etc.).
• In controlled mode, checks are carried out to ensure that only one person passes through the airlock at a time.
• In secure access mode, filtering on entry is enhanced by a metal detection system which prevents any firearms or knives from being carried through.

By combining different detection technologies, personalised checks can be carried out each time somebody passes through the airlock.

Physical Resistance

The airlocks are designed and certified in accordance with the strictest European standards in order to guarantee users a level of security that is appropriate for the various risks involved:
• Vandalism: an improvised malicious act defined by the EN356 standard (window).
• Manual attack: a malicious premeditated act which is defined by the EN356 (window) and EN1627 (frame) standards.
• Resistance to firearms: defined by the EN1063 (window) and EN1522 (frame) standards.
• Resistance to an explosive blast: governed by the EN1634 standard.
• Resistance to blast: governed by the EN13123/4-1 standard.
• Resistance to fire: governed by the EN1634 standard.

These various resistances can be combined under a number of conditions.

Design

Gunnebo airlocks can be harmoniously integrated into any environments. With their modular shapes and dimensions, they are perfectly suited for use with the constraints of any architectural style. The large glass surface and the fluidity of their lines contribute to the airlocks' overall aesthetics, while providing the highest levels of protection.

A wide selection of colours and options are available so that an airlock's finish matches the visual customisation requested by the client.

Customisation

Gunnebo manufactures its own security solutions, and so has complete control over the development of its products. It is therefore in a position to meet any hardware and/or functional customisation requests, provided the regulations which govern public access buildings are met (people with disabilities, emergency exits, etc.).

Equipment can be integrated in accordance with each client's visual identity (handle, call button, camera, etc.) and so that it is compatible with existing hardware (prioritisation of keys, etc.).

In order to facilitate daily operation (managing crisis situations) and so that an analysis can be rapidly carried out in the event of any malfunction, the airlock can be remotely managed.

Comfort

Gunnebo airlocks are designed so that people can pass through them naturally and intuitively. The doors can open automatically (sliding or side hung), releasing the user from having to operate the leaves.

Some models enable up to 8 people to pass through them per minute - unrivalled by any other airlock on the market. Controls and a vocal synthesizer help ensuring that the airlock is pleasant to use.

MORE INFORMATION ?
Standards and Regulations Guide.
The SkySas range is pleasant to use and easy to manage. The emphasis is on design, but at the same time they provide high levels of detection (presence, ensuring that only one person is using the airlock at a time, metal detection), as well as high levels of physical resistance (against manual and ballistic attacks or explosive blasts).

The SkySas CU model is designed to meet the specific requirements of each client in terms of format, definition and security levels.

The large windows that feature on airlocks in the SkySas range integrate harmoniously into building frontages or in building interiors, enhancing user comfort. SkySas airlocks guarantee users a safe welcome, while helping to provide reinforced security.

For managing flows of people into a secure area, or for controlling access from one zone in a building to another, the operating modes of SkySas airlocks can be fine-tuned to meet various specific security requirements.

The modular design of the SkySas range means that a wide range of access control and biometric identification accessories can be easily integrated into the airlocks.

And SkySas airlocks have been designed for minimal installation and commissioning time - for both existing sites and new buildings.

**Application**

- Banking and Finance
- Industry and Energy
- Government buildings
- Law enforcement and prisons
- Leisure and Entertainment
- Retail
Insurance companies now require that certain buildings be fitted with airlocks, and we consider it essential to be able to manage people's access and flow.

MORE INFORMATION?
Brochures SkySas BA, SkySas EV, SkySas CU
SkySas BA
The all-in-one airlock

The SkySas BA has been designed to extend existing security perimeters and so ensure that vulnerable premises remain protected, combining control and easy transition. SkySas BA is available in one width and two depths.

Physical resistance
- Glass panes resistance to manual attacks.

Filtering and detection
- System for ensuring that only one person passes through the airlock at a time with a 2-zone contact mat.
- Filtering level can be optionally upgraded by adding access control equipment.

Design
- Light structure made up of aluminium and glass for elegant integration into any type of architecture.
- Optimised footprint for a compact and discrete structure.

Customisation
- Can be integrated onto a building’s facade or inside it.
- Can be adapted to meet specific functional requirements by fitting extra access control equipment.

Comfort
- Turnkey airlock, designed to be delivered fully assembled.
- Straightforward and easy to use and operate.
- Large windows to do away with the feeling of being in an enclosed space.

Standard equipment
- Manual side hung doors
- Resistance to vandalism P2A (EN356)
- Fail-safe locking with an electro-piston lock
- Emergency unlocking by an external break glass unit
- Mechanical unlocking by key
- Mechanical lock on D1
- Opening request via call and display panel on each side of door D2 - D1 is unlocked when idle
- Optional CBA control console
- Optional detection equipment
- EasyDoor Light type electronic controller (2-hour battery backup)
- Optional LED lighting
- Standard RAL colours: 7035 - 7037 - 9006 - 9010
- Delivered assembled
<table>
<thead>
<tr>
<th>Models</th>
<th>SkySas BA9S</th>
<th>SkySas BA9L</th>
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</thead>
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<tr>
<td>Height (mm)</td>
<td>2270</td>
<td>2270</td>
</tr>
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</table>
SkySas EV
The elegant solution for enhanced security

With a surface area that is 80% glass, the transparency of the SkySas EV security airlock removes any sensation of claustrophobia, ensures ease and comfort of use and is especially suited to premises that are open to the general public. SkySas EV is available in two widths and three depths, in single- or double-cabin format with swing or sliding doors, or a combination of both.

Physical resistance
- Certified protection against ballistic attacks for the whole airlock, frame and panelling
- Option to combine different levels of resistance

Filtering and detection
- Infrared beam array single passage detection technology for precise filtering and optimised flow rates
- The most accurate metal detection on the market

Design
- Uncluttered design and large glass panes for integration into environments where aesthetics are important

Customisation
- Can be adapted to meet specific functional requirements by fitting extra access control equipment

Comfort
- Sliding doors for faster flow rates.
- Vocal synthesizer for providing users with information
- Contactless airlock for enhanced hygiene

Standard equipment
- Automatic double-leaf sliding doors
- Resistance to vandalism PSA (EN356)
- Fail-safe locking with an electro-brake
- Emergency unlocking by key or break glass unit
- Mechanical lock on D1
- Opening request via call and display panel on both doors for entering
  Opening request via radar for exiting
- Optional control console
- Presence detection by active infrared radar
- Optional halogen lighting
- EasyDoor type electronic controller (2-hour battery backup - LED lighting)
- Standard RAL colours 7035 - 7037 - 9006 or 9010
- Flatpack delivery
<table>
<thead>
<tr>
<th>Model</th>
<th>SkySas EV7S</th>
<th>SkySas EV7M</th>
<th>SkySas EV7L</th>
<th>SkySas EV9S</th>
<th>SkySas EV9M</th>
<th>SkySas EV9L</th>
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<tr>
<td>Depth (mm)</td>
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</tbody>
</table>
SkySas CU
A solution to fit your needs

The aluminium SkySas CU airlock is modular and can be adapted to suit most architectural constraints while remaining in compliance with disability regulations. SkySas CU is available in single- or double-cabin format with side hung or sliding doors, or a combination of both. It can be assembled with any dimensions.

Physical Resistance
- Certified high-security protection against explosive blasts
- Option to combine different levels of resistance

Filtering and detection
- System in compliance with legislation on accessibility for people with reduced mobility
- Authorisations managed either by access control reader or remote control console

Design
- Modular aluminium structure for elegant integration into any type of architecture
- Contemporary design with glass or solid walls

Customisation
- Can be integrated into a building’s facade or inside it
- Can be adapted to meet specific functional requirements by fitting extra access control equipment

Comfort
- Straightforward and easy to use and operate
- Light door structure for easy opening by people with reduced mobility
- Can be used as an emergency exit

Standard equipment
- Side hung or sliding doors
- Resistance to vandalism P5A (EN356)
- Locking via fail-safe motorised SeRitz 3000 lock on side hung door
- Locking via fail-safe electro-brake on sliding door
- Emergency unlocking by key or external break glass
- Mechanical lock on D1
- Opening request via call and display panel on each side of both doors
- Optional control console
- Presence detection by active infrared radar
- Optional halogen lighting
- EasyDoor type electronic controller (2-hour battery backup)
- Standard RAL colours: 7035 - 7037 - 9006 or 9010
- Flatpack delivery
<table>
<thead>
<tr>
<th>Model</th>
<th>SkySas CU</th>
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<td>Depth (mm)</td>
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## SKYSAS RANGE SUMMARY

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<thead>
<tr>
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<th>Manual attack</th>
<th>Ballistic</th>
<th>Blast</th>
<th>Presence</th>
<th>Single-person passage</th>
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<tbody>
<tr>
<td>BA BA95 BA9L</td>
<td>4</td>
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<td>P6B /○</td>
<td>RC 3 /○</td>
<td>BR4-NS /○</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td>EV EV7S EV7M EV7L EV9S EV9M EV9L</td>
<td>5 / 4</td>
<td>P5A /●</td>
<td>P8B /○</td>
<td>RC 4 Equiv. /○</td>
<td>BR5-5 /○</td>
<td>FB4 /○</td>
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<td>–</td>
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<tr>
<td>CU</td>
<td>5 / 4</td>
<td>P5A /●</td>
<td>P8B /○</td>
<td>RC 5 /○</td>
<td>BR6-NS /○</td>
<td>FB6 /○</td>
<td>–</td>
<td>EPR3</td>
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1. Side hung door / Sliding door
<table>
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<tr>
<th>Abandoned object</th>
<th>Metal Detection</th>
<th>Door</th>
<th>Partition</th>
<th>Disabled people</th>
<th>Emergency exit</th>
<th>Floor type</th>
<th>Delivery</th>
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<tr>
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</tr>
</tbody>
</table>

Airlocks are the only means for managing who comes into the store in a natural way

MORE INFORMATION?
Standards and Regulations Guide.
Specifically designed to protect service areas, the UniSas airlock range provides high levels of protection and precise user control.

Serving as the last obstacle beyond which protected items of value can be accessed, each model has been specially designed to provide high levels of physical resistance - both ballistic and against manual attacks - and has been certified in accordance with current European standards.

A wide range of detection equipment that can be easily and discreetly integrated into the airlocks (radar, infrared beam arrays, mechanical lock, contact mat, biometric reader, camera, etc.) prevents any unauthorised people from passing through.

Airlocks in the UniSas range are delivered dismantled and can easily be installed in difficult-to-access building areas.

**Application**

- Technical areas
- Back office
- Confidential areas
- Bank
- Cash-In-Transit
- Datacenters
- Logistics
- Storage
The Airlock prevents people from arriving with helmets on or with their faces obscured. It can be used to select or filter the people who enter the premises.
UniSas BA
Physical single-person detection

The UniSas BA is a single-person airlock which comprises a door together with a security cell, the limited volume of which physically restricts the number of people who can pass through it to one at a time. The UniSas BA comes in 2 widths and 1 depth.

Physical resistance
- Certified high-security ballistic protection

Filtering and detection
- Integrated electromagnetic filtering system
- High flow level: 8 people per minute

Design
- Discrete integration, with the airlock looking similar to a security door
- Reduced encroachment area

Customisation
- Restrictive cell integrating an infrared sensor array preventing two people from passing through simultaneously

Comfort
- Reduced maintenance
- Straightforward and easy to use and operate
- Optimised footprint

Standard equipment
- Solid manual side hung (main and semi-fixed leaf) door
- FB2 ballistic resistance protection (EN 1522)
- Fail-secure locking by electro-piston lock
- Emergency release of a fail-secure lock by a mechanical locking/unlocking device
- No mechanical lock
- Opening request on the outer side by access control (not supplied) and on the inner side by call and display panel
- No control console
- Anti-return mechanism
- EasyDoor Light type electronic controller
- Standard RAL colours 7035 - 7037 - 9006 or 9010
- Flatpack delivery
## STANDARD CONFIGURATION

<table>
<thead>
<tr>
<th>Model</th>
<th>UniSas BA9</th>
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<td>Width (mm)</td>
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<tr>
<td>Doorway width (mm)</td>
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<td>1215</td>
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<tr>
<td>Depth (mm)</td>
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<tr>
<td>Height (mm)</td>
<td>2130</td>
<td>2130</td>
</tr>
</tbody>
</table>
UniSas EV
Shielded single-person airlock

Designed to provide a high level of protection as standard, the UniSas EV is an airlock that is particularly well-suited to securing accesses to service areas. The UniSas EV comes in 2 doorway widths with a 180° or 90° transit.

Physical Resistance
- Certified high-security ballistic protection
- Option to combine different levels of resistance

Filtering and detection
- Integration of an infrared beam array into the section for discreet, invisible and effective detection
- Advanced access control system using biometrics or an access reader, providing a high level of detection and ensuring that only one person passes through the airlock at a time

Design
- Discreet and harmonious installation. The airlock looks like an entrance, and so integrates seamlessly into all types of architecture

Customisation
- Customised filtering level depending on the level of security needed

Comfort
- Integration of a pass-tray in the door so that objects and valuables can be passed through it without having to enter into the protected zone

Standard equipment
- Solid manually operated side hung doors
- FB3 ballistic resistance protection (EN 1522)
- Fail-safe locking with an electro-piston lock on D1 and fail-secure on D2
- Emergency unlocking of fail-safe lock by key or external break glass unit
- Emergency unlocking of a fail-secure lock by a mechanical locking/unlocking device
- Mechanical lock on D1
- Opening request via call and display panel on each side of both doors
- optional CBA control console
- Detection equipment:
  - Presence detection by active infrared radar
  - Single passage detection by infrared beam array
- EasyDoor type electronic controller (2-hour battery backup)
- Optional LED lighting
- Standard RAL colours 7035 - 7037 - 9006 or 9010. RAL 7035 for steel walls and ceiling
- Flatpack delivery
## STANDARD CONFIGURATION

<table>
<thead>
<tr>
<th>Models</th>
<th>UniSas EV7</th>
<th>UniSas EV9</th>
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<tr>
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## UNISAS RANGE SUMMARY

<table>
<thead>
<tr>
<th>Model</th>
<th>BA9</th>
<th>BA12</th>
<th>Passages/min</th>
<th>Vandalism</th>
<th>Manual attack</th>
<th>Ballistic</th>
<th>Blast</th>
<th>Presence</th>
<th>Single-person passage</th>
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<tbody>
<tr>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td>P5A / O</td>
<td>P8B / O</td>
<td>RC 4 / O</td>
<td>BR6-NS / O</td>
<td>FB2 / FB6 / O</td>
<td>–</td>
</tr>
<tr>
<td>EV</td>
<td>4</td>
<td></td>
<td></td>
<td>–</td>
<td>P8B / O</td>
<td>RC 5 / O</td>
<td>BR6-NS / O</td>
<td>FB3 / FB4 / O</td>
<td>–</td>
</tr>
</tbody>
</table>
A table is shown with columns for Abandoned object, Metal Detection, Manual side hung doors, Automatic side hung doors, Automatic sliding doors, Door Partition (Glass, Solid), Disabled people, Emergency exit, Floor type, and Delivery type. The table contains various options for these categories.

Additionally, there is a note: "Airlocks provide considerably more options - they combine aesthetics and high technology."
Designed for automated accesses, the CompacSas airlocks provide the perfect balance between flow rate speed and high levels of security.

Their detection systems are discreetly integrated (single passage and metal masses) and they offer physical protection (against bullets, manual attack and fire), enabling users to move naturally into a controlled area without the security perimeter being compromised.

The aesthetic qualities of the CompacSas range - with its large glass panes - ensure user comfort without a building’s architecture having to be altered.

Most models are designed as single-unit blocks and can be installed quickly and easily on-site without normal operation being affected.

Application
- Corporate offices
- Government buildings
- Airport
- Law enforcement and Prisons
- Datacenters and Labs
- Leisure and Entertainment
Electronically controlling airlocks is much easier than before, facilitating use
CompacSas BAH
Improved filtering for existing accesses

The CompacSas BAH airlock is the ideal solution for transforming an existing door into an airlock.

The CompacSas BAH is available in one size with a semi-circular base.

**Physical resistance**
- Glass panes' resistance against ballistic of manual attacks

**Filtering and detection**
- Integrated ultrasound volumetric sensors that are suited for high access and passage flow rates
- Authorisations managed either by access control reader or remote control console

**Design**
- Aesthetic curved structure that can be naturally and elegantly integrated into the existing door.

**Customisation**
- Can be integrated into an existing door to reinforce security, without spoiling the architecture

**Comfort**
- Large windows to do away with the feeling of being in an enclosed space

### Standard equipment

- Automatic double-leaf sliding door
- P4A protection against vandalism (EN 356)
- Fail-safe locking of the airlock's door with an electromagnetic door strike
- Optional fail-safe locking of the existing door
- Emergency unlocking of all fail-safe locks with an external break glass unit
- Opening request via call and display panel on the outer side of the airlock's door and on both sides of the existing door
- Optional control console
- Detection equipment:
  - Presence detection by active infrared radar
  - Single-passage detection by ultrasound volumetric sensors
- VB type electronic controller (2-hour battery backup)
- Standard RAL colours 7035 - 7037 - 9006 or 9010 granite finish
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<tr>
<td>Height (mm)</td>
<td>2304</td>
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</table>
CompacSas BA¹
Comfort and design for high-security access

The CompacSas BA airlock is a single-unit airlock with curved, motorised sliding doors, through which users can easily pass.
The CompacSas BA is available in three versions.

Physical resistance
- Glass panes’ resistance against ballistic and manual attacks

Filtering and detection
- Detection by weighing, eliminating any opportunities for fraud
- Metal detection

Design
- Rounded or square shape for easy integration into all types of environment and architecture
- Aesthetic design with glass walls

Customisation
- Can be integrated between two partitions

Comfort
- Automatic door and integrated weighing area, ensuring that users can pass through smoothly

Standard equipment
- Automatic single-leaf (BA6/6Q) and double-leaf (BA9) sliding doors
- P2A protection against vandalism (EN 356)
- Fail-secure locking by positioning of the coupling arms (BA6/6Q)
- Fail-safe locking by electromagnetic door strike (BA9)
- Emergency unlocking of all fail-safe locks by an external break glass unit
- Emergency release of a fail-secure locking system by a knurled knob behind the motor block
- Opening request via call and display panel on the doors’ outer sides
- Control console
- Presence and single-person passage detection by weighing
- RCP type electronic controller (2-hour backup battery)
- Standard RAL colours 9005 - 7001 - 5010 - 8019 - 3003 granite finish

¹ CompacSas BA is also known under HiSec name.
# STANDARD CONFIGURATION

<table>
<thead>
<tr>
<th></th>
<th>CompacSas BA6</th>
<th>CompacSas BA6Q</th>
<th>CompacSas BA9</th>
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<tr>
<td>Height (mm)</td>
<td>2400</td>
<td>2400</td>
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</table>
CompacSas EV
Optimum security with maximum flow

In a single product, the CompacSas EV airlock provides high-performance filtering and genuine ease-of-use. The CompacSas EV is available in 2 widths and 1 depth.

Physical resistance
- Certified high-security protection against manual attacks or fire via the double-leaf outer side hung door

Filtering and detection
- Combination of two detection technologies - infrared beam array and radar - for high security and high level of detection
- Patented system to guarantee unrivalled flow rate - both doors operate simultaneously and keep in preventing from piggybacking and tailgating

Design
- Aesthetic, original-design folding door

Customisation
- Option to remove door D1 for integration into an existing door and creation of a half-airlock
- Emergency exit function without compromising the security perimeter: exit remains always possible but entry is prohibited once the door is closed and locked

Comfort
- Automatic doors which do not require any manual action
- Automatic pass through which speeds up access while maintaining a high level of protection

Standard equipment
- Automatic outer double side hung door
- Automatic inner double-leaf folding door
- Protection against vandalism P2A (EN 356)
- Fail-secure locking of the outer door by an electric strike plate
- Fail-safe locking of the inner door by a magnetic lock
- Emergency unlocking of the outer door by a mechanical handle (EN 179)
- Emergency unlocking of the inner door by a break glass unit
- Access control system (not supplied) near the outer door
- Optional control console
- Detection equipment:
  - Presence detection by infrared radar
  - Single-passage detection by infrared beam array
- EasyDoor type electronic controller
- Optional LED lighting
- Standard RAL colours 7035 - 7037 - 9006 or 9010 for both doors and RAL 7035 with granite finish for steel walls and ceiling
- Flatpack delivery
<table>
<thead>
<tr>
<th></th>
<th>CompacSas EV9</th>
<th>CompacSas EV11</th>
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<tbody>
<tr>
<td>Width (mm)</td>
<td>1170</td>
<td>1370</td>
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<tr>
<td>Passage width (mm)</td>
<td>910</td>
<td>1110</td>
</tr>
<tr>
<td>Depth (mm)</td>
<td>1120 - 1125¹</td>
<td>1120 - 1125¹</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>2320</td>
<td>2320</td>
</tr>
</tbody>
</table>

¹ Fire resistant version
² Doors don’t operate simultaneously
<table>
<thead>
<tr>
<th>Model</th>
<th>Passages/ min</th>
<th>Vandalism</th>
<th>Manual attack</th>
<th>Ballistic</th>
<th>Fire</th>
<th>Single-person passage</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>Pane</td>
<td>Complete frame</td>
<td>Pane</td>
<td>Presence</td>
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<tr>
<td>BAH</td>
<td>4</td>
<td>P4A/●</td>
<td>P6B/○</td>
<td>BR2-S/○</td>
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<td>–</td>
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<tr>
<td>BA</td>
<td>4</td>
<td>P2A/●</td>
<td>P7B/○</td>
<td>BR4-NS/○</td>
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<tr>
<td>EV</td>
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<td>P2A/●</td>
<td>P7B/○</td>
<td>BR4-S/○</td>
<td>–</td>
<td>Ei2 30</td>
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<td>Abandoned object</td>
<td>Metal Detection</td>
<td>Door Manual side hung doors</td>
<td>Automatic side hung doors</td>
<td>Automatic sliding doors</td>
<td>Partition Glass</td>
<td>Solid</td>
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</tbody>
</table>

Airlocks have become essential in the day-to-day operations of a great number of retailers

MORE INFORMATION?
Standards and Regulations Guide.
Service that provides customer satisfaction

With years of experience in delivering security solutions, we know how to create value for you and your business. That is why we have made Service an integrated part of our business.

At every stage of our relationship with you – from the first meeting through to delivery, installation and after-sales support – we will act as your security partner, listening to and addressing your security needs.

With our security experts, skilled technicians and professional support staff, Gunnebo is always on hand to give you the assistance you need, when you need it.

The result is a lasting partnership, built on business knowledge, customer focus and added value.
Security Airlocks: customised service to optimise your costs

In an on-going effort to help our customers achieve their performance and profitability targets, we at Gunnebo are committed to providing a wide range of services specifically designed for security airlock solutions:

Global provider of security solutions
Because it has complete control over all the elements that make up an airlock security solution, both hardware and software, Gunnebo can guarantee the long-term viability of its airlocks and their upgradability, as well as providing a high level of maintainability.

Installation by security experts
Our teams follow on-going training programmes, ensuring that our airlocks are installed to the highest specifications. More than ever before, their expertise in mounting equipment into brickwork is vital for systems intended to guarantee the safety of your employees and customers, and safeguard your valuables. A compliance certificate can be issued following installation, confirming that all the necessary procedures have been followed to the letter.

Maintenance
Preventive maintenance is provided in the form of regular visits to ensure the smooth operation of your equipment; corrective maintenance is provided in the event of your equipment developing a fault. And it can be upgraded to take advantage of the very latest technological developments, ensuring that all mechatronic, electronic and electrical components remain up-to-date.

Remote supervision
Receiving information and remotely carrying out completely safe actions reduce response times, improve preventive assistance and remotely diagnose faults.
GLOSSARY

Side Hung Door

• Right door (in accordance with the EN 12519 standard)

• Door Door that is pulled towards the right / pushed towards the left (in accordance with the ISO 1220 standard)
  • Door which is opened by a rotational movement, with the hinges on the right-hand side when the user is looking at it from the opening side
  • Seen from above, the door opens counter-clockwise

• Left door (in accordance with the EN 12519 standard)

• Door that is pulled towards the left / pushed towards the right (in accordance with the ISO 1220 standard)
  • Door which is opened by a rotational movement, with the hinges on the left-hand side when the user is looking at it from the opening side
  • Seen from above, the door opens clockwise

• Inner opening door
  • Rotating door, the direction of travel of which is towards the space inside
  • The glazing beads are located on the same side as the hinges

• Outer opening door
  • Swing door, the direction of travel of which is towards the space outside
  • The glazing beads are located on the side opposite the hinges

Locking

• Fail-safe locking
  • Lock which immediately and unconditionally releases the door in the event of it being unlocked in an emergency or there being a power outage
  • Must be used in conjunction with an emergency break glass unit
  • Compulsory on doors used to access buildings for public use

• Fail-secure locking
  • Lock the state of which remains unchanged in the event of a power outage
  • Must be used in conjunction with mechanical door unlocking solutions (key)
  • Prohibited on doors used to access buildings for public use
Structure

- **Opening (mrk. 1)**
  - A section of brickwork within which a frame is placed

- **Frame (mkr. 2)**
  - Fixed or mobile joinery structure intended to be integrated into an opening

- **Door set (mkr. 3)**
  - Assembly consisting of the door frame and leaf, together with all the hardware (handle, lock, hinges, etc.)

- **Door frame (mkr. 4)**
  - Section of the door set that supports the leaf and connects it to the adjacent structure

- **Door leaf (mkr. 5)**
  - Section of the door set which opens - by swinging or sliding
  - If the side hung door has two sections, the leaf is made up of a main leaf and a semi-fixed section

- **Glazing bead (mkr. 6)**
  - Moveable component which holds the panel in place within the frame

- **Panel (mkr. 7)**
  - Component which serves as the frame’s central panel
  - Can be solid or glass

- **Hinge (mkr. 8)**
  - Mobile and adjustable mechanism that connects the leaf to the door frame and enables it to be rotated
  - Can be double or triple bladed

- **Door closer (mkr. 9)**
  - Mechanism used to automatically close the door quickly, slowing the door’s movement in the final phase
  - Can be of standard arm or slide channel type

- **Splice plate (mkr. 10)**
  - Aluminium plate that hides where the frame and the brickwork meet
Dimensions

- **Overall Width / Height (OW / OH)**
  - Doorset’s outer dimensions

- **Opening width (clearance width) (CW)**
  - Opening width within the door frame

- **Doorway Width / Height (PW / PH)**
  - Doorway’s real dimensions, taking any surface-mounted parts into account (handle, lock, etc.)
  - If the door can open 180°, the doorway width is equal to the opening width

- **Brickwork Width / Brickwork Height (BW / BH)**
  - Dimensions of the area reserved in the brickwork

- **Clearance**
  - Space needed for the leaf to be able to move

Classification of standards

- **P1A to P5A**
  - EN 356 standard that defines a panel’s level of resistance to vandalism (spontaneous action)

- **P6B to P8B**
  - EN 356 standard that defines a panel’s level of resistance to manual attack (premeditated action)

- **RC 1 to RC 6**
  - EN 1627 standard that defines a complete frame’s level of resistance to manual attack

- **BR1 to BR7**

- **SG1 to SG2**
  - EN 1063 standard that defines a panel’s level of ballistic resistance

- **FB1 to FB7**

- **FSG**
  - EN 1522 standard that defines a complete frame’s level of ballistic resistance

- **EPR1 to EPR4**
  - EN 13123/4-1 standard that defines fixed partitions’, windows’ doors’ and closures’ resistance to blasts
The Gunnebo Security Group provides efficient and innovative security solutions to customers around the globe. It employs 5 700 people in 30 countries across Europe, Asia, Africa, Australia and North America, and has a turnover in excess of €650m. Gunnebo focuses its offering on Bank Security & Cash Handling, Secure Storage, Entrance Control and Services.

We make your world safer.

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