CompacSas BAH

Improved filtering for existing accesses

Manual Attack Resistance

Ballistic Resistance

x5 Access Flow

Recyclable product

Energy savings

Models: CompacSas BAH

Smart Intrusion Solutions



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

The CompacSas BAH can be used to create an enhanced secure entrance, with single-person entry being enforced by a system of ultrasound volumetric sensors.

Designed to be vandalism resistant, it also comes in manual attack and ballistic resistant versions.

The CompacSas BAH is delivered pre-assembled for fast installation on a finished floor.

Benefits

1. Concept which converts an existing door into a security airlock.
2. Extensive and aesthetic glass surface area with round shape.
3. Automatic sliding doors.

Design

Construction

- Composite material double-leaf sliding CompacSas door.
- Laminated glass security panel.
- Steel structure and ceiling.

Note: The second door is an existing door.

Opening system

- Automatic CompacSas door opening with fail-safe[1] or fail-secure mechanism.

1. Standard.

Finish

Powder coated paint.

COLOUR	STRUCTURE
Light Grey RAL 7035	●
Dusty Grey RAL 7037	●
Aluminium RAL 9006	●
White RAL 9010	●
Other RAL colours	○
Granite finish	●
Smooth finish	○
Brushed stainless steel finish	○

Resistance level

Vandalism resistance (EN 356)	P4A	●
Manual attack resistance (EN 356) Ballistic resistance (EN 1063)	Both P6B and BR2-S	○

Operation

- By convention, the outer door is called “CompacSas” and the inner door is called “the existing door” (these can be swapped).
- 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

- Once an opening request has been received, the outer door (CompacSas) opens.
- The detection system checks to see if anyone is present inside the airlock (infrared detection) and that only one person is using it (ultrasound detection).
- Once these checks have been carried out, the outer door closes and the inner (existing) door unlocks. The unlocking of the inner door can be optionally conditional on authorisation being granted by a biometric reader inside the airlock.
- The user then opens the inner door and exits the airlock. The door closes and locks once the user has exited.

Exit

- Identical procedure to entry, with the option to not check single-person passage.

Control and Detection

Control

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

OPENING REQUEST	
Call button outside airlock	●
Presence detection inside airlock	●
Card reader (not supplied)	○
Biometric reader	○

● Standard ○ Optional – Not available

Existing Door

- The existing door should have dimensional specifications that are compatible with the environment into which it is being incorporated (see plan).
- The existing door needs to have the following equipment (existing or to be supplied) needed for servocontrol:
  – electromagnetic door strike or fail-safe surface-mounted motorised lock
  – call button or card reader
  – door contacts
  – emergency unlocking command
  – door-closer.

Opening Direction	Overall height (mm)	Overall width (mm)
Airlock exterior	2100	1080

User Safety

In the event of an emergency,

- If the locks are fail-safe locks, the doors can be electrically unlocked and the airlock evacuated either by a potential free contact supplied by the fire alarm system or by using 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, the site should have a door which can be used for emergency exit.

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).

- The CompacSas's safety features include infrared sensors and a system for measuring the motor current.

Optional Equipment

Additional control console
Intercom
Voice synthesizer
Battery backup
Additional door contact for alarm
Emergency push button inside the airlock
High-security cylinder
Pre-cabling for access control
Equipment kit for existing door

Technical data

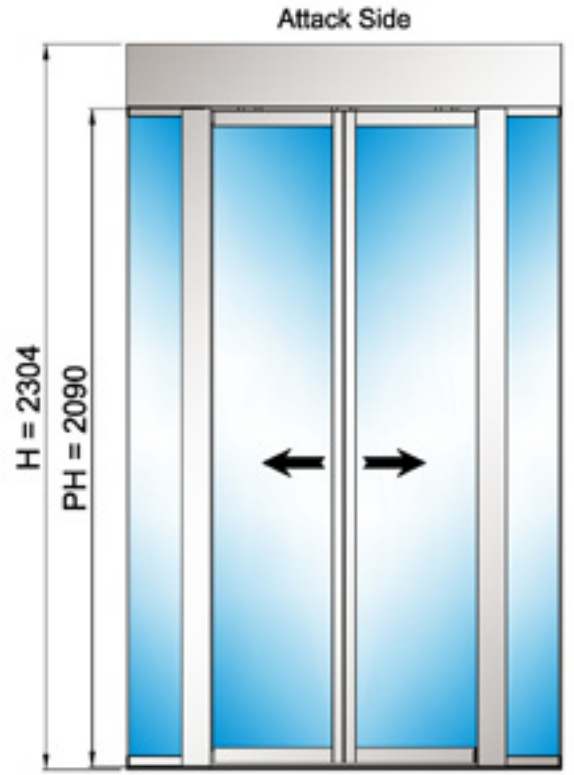
Structural opening	H+10mm, W+10mm
Floor	Floor 12mm
Floor level	+/–5mm
External Facade installation	No
Airlock delivery	Assembled[1]
Panel delivery	Assembled
Maintenance accessibility	500mm clear above
Power supply[2]	230Vac, 50Hz
Operating voltage	24Vdc
Consumption	150W
Ambient temperature	0°C/+40°C
Relative humidity	<90% with no condensation
Cable routing	From above or the floor
Control unit located	In the ceiling

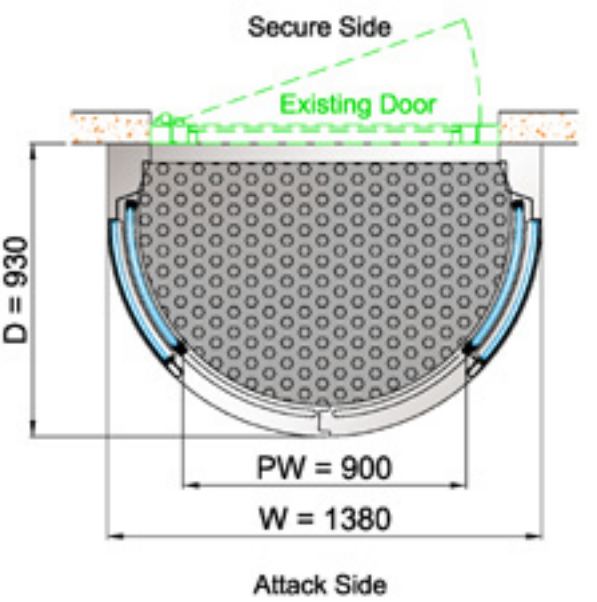
1. Can optionally be delivered dismantled.
2. Power supply provided by the client with protection system in compliance with regulations (10A/30mA).

Functional Data and Dimensions

Flow	Disability access	Emergency exit
5 people/minute	No	No

DIMENSIONS (MM)						
	W Overall Width	PW Passage Width	H Overall Height	PH Passage Height	D Depth	Weight (Kg)
CompacSas BAH	1380	900	2304	2090	930	500





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