COMPACSAS RV

User-friendly people flow management

CompacSas RV is a round revolving door with 3 or 4 rotating leaves designed to ensure that people can pass through comfortably, while at the same time maintaining optimum security.

Thanks to the CompacSas RV's shape and its extensive glazed surfaces, it can be harmoniously integrated into the entrances of buildings, hotels or head offices where aesthetics and elegance are essential. Featuring an uncluttered, elegant design as well as excellent thermal insulating properties, users have excellent visibility while passing through it thanks to its glazed side partitions.

An access control system (supplied separately) used in conjunction with one or several detectors (for detecting presence or ensuring single passage) provide security for the revolving door. This way, tailgating and trailing can be detected and prevented, together with piggybacking and people sticking closely together in order to pass through.

CompacSas RV is available in a range of different configurations (with 3 or 4 rotating leaves), with various levels of protection for the panes (antivandalism, anti-break-in and bullet-proof).

CompacSas RV optimises installation costs: a 10-inch colour tablet makes configuring and programming the airlock extremely straightforward.

FICHET

COMPACSAS RV

Advantages

- Round revolving door unit featuring a pure design
- Installation on finished floor
- 3 or 4 leaf motorised rotating doors
- Fast access flow

Applications

- Public administrations
- Company headquarters
- Casinos
- Jewellers
- Hotel industry, etc.

Global experience

- Leading company in manufacturing and integrating security equipment at high-risk sites
- More than 40 years' experience
- Local and international support
- Complete control over development and manufacturing procedures
- High production and quality levels

Models :
RV16T, RV18T, RV20T, RV23T
RV18Q, RV20Q, RV23Q

Burglary resistance

Ballistic resistance

Energy savings

Recyclable product

Eco-design

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Design

Materials

Component	Steel	Composite	Aluminium	Glass
Structure	●	-	-	-
Ceiling	●	●	-	-
Leaf (frame)	●	-	●	-
Panel	-	-	-	●

Finish

Colour	Leaves	Frame
Structured RAL 7040	●	●
Smooth RAL 7040	○	○
Brushed stainless steel finish	-	○
Mirror stainless steel finish	-	○
Other RAL colour	○	○

Resistance level

Manual attack (EN 356)	Ballistic (EN 1063)	Glass*	Manual attack (EN 1627)			Ballistic (EN 1522)	
			RC2	RC3	RC4	FB4	FB6
P4A	BR1-S	●	○	-	-	○	○
P6B	BR2-S	○	○	○	○	○	○
P6B	BR3-S	○	○	○	○	○	○
P6B	BR4-S	○	○	○	○	○	○
P7B	BR4-NS	○	○	○	○	○	○
P7B	BR6-NS	○	○	○	○	○	○

● Standard ○ Optional - Not available

Opening request

Opening requests are issued using the call buttons, detection equipment (radar) and/or access control equipment sold separately (card readers, keypads,biometric devices, etc.).

Call button	●
Presence detection	○
Access control	○

Motorisation

The leaves are driven by a 24 VDC reversible motor: in the event of a power outage, the gear motor is free to rotate. When the gear motor rotates, the airlock stops, preventing anyone from being locked inside it, while at the same time continuing to ensure the site's security.

Detection

Presence (radar)	●
Single-person detection by ultrasound	○
Single-person detection by video	○

Installation

- CompacSas RV is designed to be installed indoors, in a dry environment and on an existing floor.
- A semi-outdoor external façade installation is possible subject to certain conditions (it must be installed beneath a canopy, must include a weather kit, and Fichet must have been consulted).
- There must be at least 500 mm clearance above the airlock in order to access the airlock's control and drive units.

Operation

«Automatic rotation" cycle

Rotation begins as soon as a call is registered from the outer side or inner side by somebody pushing on one of the push-buttons, or as soon as a presence is detected by a radar (optional).

- Two-way access: the revolving door can either be accessed via the secure side, or via the outer side.
- Entrance only: People may only pass through the airlock from the outer side to the secure side. If a person with malicious intent attempts to take advantage of another user entering the revolving door unit, the rotation stops and a message instructs the unauthorised person to exit the unit.
- Exit only: People may only pass through the airlock from the secure side to the outer side. If a person with malicious intent attempts to take advantage of a user exiting the revolving door unit, the rotation stops and a message instructs the unauthorised person to exit the unit.

«Access control» cycle

Rotation starts when an access control system (sold separately) validates the user (card reader, code keypad, biometric reader, etc.) A display shows the possibility to enter into a sector (empty space between leaves) and to pass through the revolving door unit. It is not necessary to enter into the first sector; the system waits for a person to pass through until a complete turn has been performed. If nobody enters, the rotation stops after one turn and the display switches to red.

«Emergency» cycle

As soon as an emergency release command is received, the revolving door can be rotated manually by pushing the leaves.

Single person control

The system makes sure that only one person at a time is present per sector. When several people are detected in a given sector, rotation stops, a message asks the people to enter one at a time and the rotation is inverted so that the people can exit. As soon as they have exited the airlock, it can once again be entered. Once they have passed through, it stops rotating.

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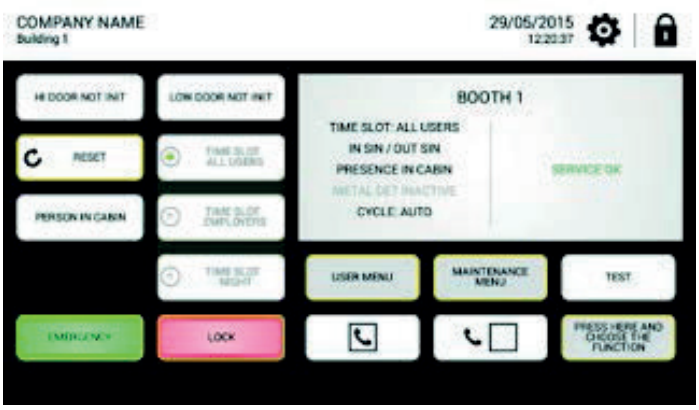
User safety

- In the event of a power outage to the revolving door unit, a standby battery will provide enough power for 100 rotations.
- Various infrared sensors ensure that airlock users are protected against the moving leaves. The motor current is measured, providing a second level of protection.

Controlling the airlock

- The revolving door unit is managed by a control console in the form of a 10-inch colour tablet.
- Additional costs are avoided and time is saved when cabling between the revolving door unit and the control console: one tablet can manage several units (via wifi connection).
- The leaves are automatically configured (speed, acceleration, etc.) when the unit is brought into service. Modifying functional settings on site based on your preferences is easy.
- The control console tablet has a wide range of other functions and features (operating menus, logs, diagnostics, etc.).



● Standard ○ Optional

Additional equipment

LED lighting	●
Emergency battery	●
10-inch colour Wi-Fi or cabled tablet	○
Outer and/or inner intercom	○
Sensors for automatic door rotation	○
Vocal synthesizer	○
Video (booth interior)	○
Electronics located remotely in a box	○
Shielded windows	○
Outdoor façade assembly kit	○
Manual or powered night-time closure shutter	○
From RC2 to RC4-level reinforcement (for burglary resistance)	○
Increased passage height	○
Special height cover	○
304 L stainless steel structure (brushed, polished)	○
Smooth lacquered paint	○
First entry key	○
Key contact device	○
Single person detection by camera	○
Single person detection by ultrasound	○

Technical data

Concrete structure reservation	Height + 10 mm – Width + 10 mm
Floor	Finished
Floor levelness	+/–5mm / m²
External façade installation	Under certain conditions (1)
Airlock delivery	Dismantled
Panel delivery	Dismantled
Maintenance access	At least 500 mm above the airlock
Installation space	Airlock height + 500mm
Power supply	110/230Vac – 50/60Hz (2)
Operating voltages	12 and 24Vdc
Consumption	100W to 150W
Ambient temperature	–10°C/+45°C
Relative humidity	<90% without condensation
Cable routing	From above or beneath the floor
Motor location	In the ceiling – access from above
Control unit location	In the ceiling – access from above

(1) Semi-outdoor installation possible under certain conditions (roofing above the airlock and optional weather kit) – Consult Fichet.
(2) Client is responsible for the electricity supply (protected network in compliance with local legislation 10A/30mA).

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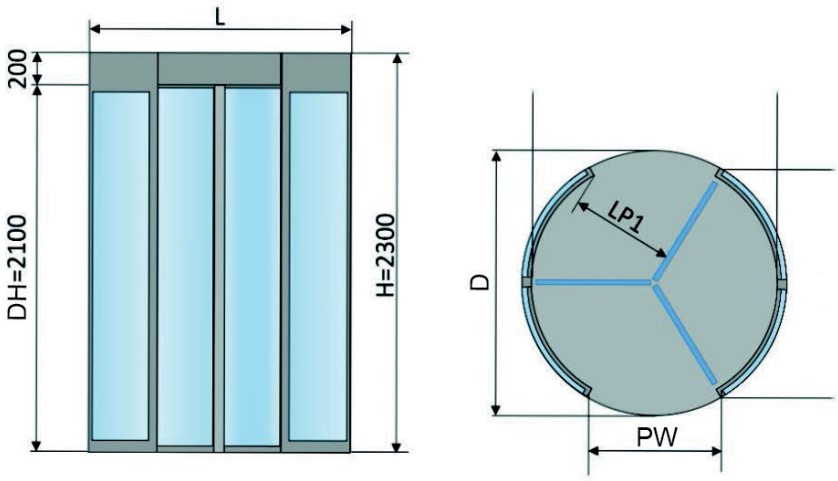
Dimensions

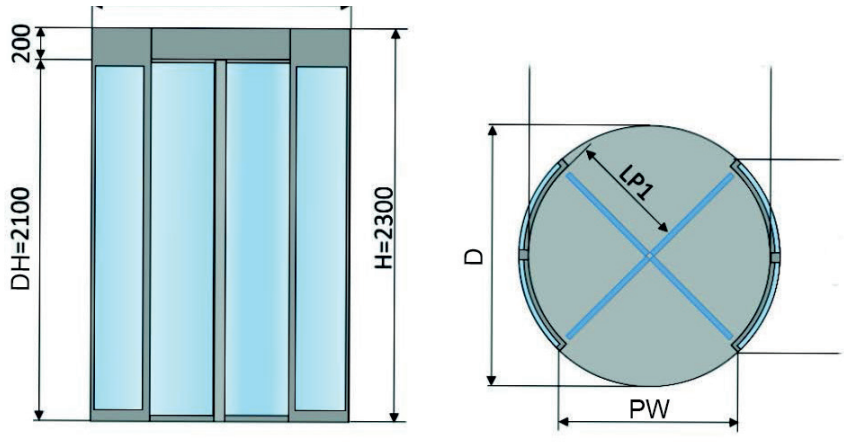
Models / Dimensions	W (mm) Overall Width [1]	PW (mm) Passage Width	H (mm) Overall Height [1][2]	DH (mm) Doorway Height	D (mm) Depth	Maximum flow [1]
RV16T – 3 leaves	1720	750	2300	2100	1720	15
RV18T – 3 leaves	1920	800	2300	2100	1920	15
RV20T – 3 leaves	2120	900	2300	2100	2120	15
RV23T – 3 leaves	2300	1000	2300	2100	2300	15
RV18Q – 4 leaves	1920	1100	2300	2100	1920	20
RV20Q – 4 leaves	2120	1250	2300	2100	2120	20
RV23Q – 4 leaves	2300	1300	2300	2100	2120	20

[1] Add 40 mm with glazing BR6-NS
[2] Flow depending on single access control system

CompacSas RV-T 3 sections



CompacSas RV-Q 4 sections



Delivery: revolving door in kit form
Packaging:
– 1 box 97 x 222 x 119 cm (L x W x H) cylinder for the glass panels
– 1 box 187 x 252 x 100 cm (L x W x H) for the structure and motor components

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www.fichetgroup.fr

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