COMPACSAS RV 2



USER-FRIENDLY PEOPLE FLOW MANAGEMENT

CompacSas RV 2 is a revolving door drum equipped with 3 or 4 leaves designed to guarantee user-friendly flow whilst maintaining optimal security.

The shape and large glazed surfaces of the CompacSas RV 2 allow it to integrate harmoniously into building entrances, hotels or head offices where aesthetics and elegance are essential. Offering a refined and neat design as well as excellent thermal insulation, it guarantees good visibility thanks to glazed side partitions.

Transit in the drum is secured by the use of access control (not included) associated with one or more detections (presence or single passage detection). It is thus possible to detect and prevent tailgating as well as piggybacking.

CompacSas RV 2 is available in 3 or 4 rotating leaf configurations, and different glazing protection levels (resistance to vandalism, break-in and bullets).

CompacSas RV 2 optimises installation costs: commissioning is facilitated by the use of a colour tablet for drum parameterisation and programming.

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COMPACSAS RV 2





ADVANTAGES

- Refined design drum
- Installation on finished floor
- Motorised rotating leaves (3 or 4 leaves)
- Fast passage flow
- Thermolacquered or anodised aluminium profiles
- Brushless motor

APPLICATIONS

- Public administrations
- Head offices
- Casinos
- Jewellery shops
- Hospitality

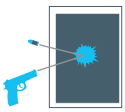
GLOBAL EXPERIENCE

- Leader in the manufacture and integration of security equipment for high-risk sites
- Over 40 years of experience
- Local and international support
- High production and quality levels

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



Break-in resistance



Ballistic resistance



Eco-design



Recyclable product



Energy economy

CONCEPTION

MATERIALS

Elément	Aluminium*	Steel	Glass
Structure	•	-	-
Ceiling	-	•	-
Leaf (frame)	•	-	-
Infill	-	-	•

*Depending on the protection level, steel shielding is incorporated into the aluminium profiles.

FINISH

Colour	Leaves	Frame
RAL 9006 textured	•	•
RAL 9006 gloss	○	○
RAL 9006 matt	-	○
Anodised finish (bronze, gold, stainless steel...)	-	○
Other RAL colour	○	○

RESISTANCE LEVELS

Break-in (EN 356)	Ballistic (EN 1063)	Glass*	Break-in (EN 1627)			Ballistic (EN 1522)	
			RC2	RC3	RC4	FB4	FB6
P4A	BR1-S	•	○	-	-	○	○
P6B	BR2-S	○	○	○	○	○	○
P6B	BR3-S	○	○	○	○	○	○
P6B	BR4-S	○	○	○	○	○	○
P8B	BR6-NS	○	○	○	○	○	○

• Standard ○ Option - Not available

OPENING REQUEST

Opening requests are made using call buttons, detection equipment (radar) and/or access control equipment not included (badge reader, keypad, biometrics, ...).

Call button	•
Presence detection	○
Access control	○

MOTORISATION

The leaves are driven by a reversible 24Vdc motorisation: in case of power failure the gearmotor is free to rotate. When rotation is performed, the drum stops rotation to ensure that no one is trapped in the airlock whilst continuing to guarantee site security.

• Brushless motor

MCBF: Over 2.5M cycles with regular maintenance carried out by qualified technicians.

DETECTION

Presence (radar)	•
Single passage by standard video	○
Single passage by enhanced video	○

INSTALLATION

• CompacSas RV 2 is designed for interior installation, in dry environments and on existing floors. Semi-exterior facade installation is possible subject to conditions (installation under canopy, climate kit and after consultation with Fichet).
• Access to management and motorisation requires a minimum free space of 50 mm above the airlock.

OPERATION

«AUTOMATIC ROTATION» CYCLE

• Rotation begins as soon as a call is registered by an impulse on one of the push buttons or as soon as presence is detected by radar (optional).
• Bidirectional passage: access to the drum is from either the secure side or the exterior side.
• Entry only: Access can only be from the exterior side to the secure side. If a malicious person wishes to take advantage of a user's entry, rotation stops and a message invites the unauthorised person to exit the drum.
• Exit only: Access can only be from the secure side to the exterior side. If a malicious person wishes to take advantage of a user's exit, rotation stops and a message invites the unauthorised person to exit the drum.

«ACCESS CONTROL» CYCLE

Rotation starts upon validation of external access control (badge reader, code keypad, biometric reader, ...). A display visualises the possibility of entering a sector (empty space between leaves) and performing a passage through the drum. It is not necessary to enter the first sector; the system waits for a person's passage until a complete turn. If no one enters, rotation stops after one turn and the display turns red.

«EMERGENCY» CYCLE

Upon receipt of an emergency release command, this function allows the drum to perform rotations manually by pushing the leaves. An evacuation door must be provided nearby.

COMPACSAS RV 2

SINGLE PERSON CONTROL

The system ensures that only one person is present per sector. When several people are detected in a sector, rotation stops, a message invites people to enter one after the other and rotation reverses to let people exit. Once exit is completed, entry is again possible, when passage is completed, rotation stops.

SÉCURITÉ DE L'USAGER

- In the event of a power failure to the drum, a backup battery will allow up to 50 passage rotations.
- User safety during door leaf movement is ensured by various infrared sensors. A second level of protection is provided by monitoring the motor current.
- Compliant with EN 16005 standard.

AIRLOCK CONTROL

- The drum is managed by a control console in the form of a 10" colour tablet.
- No extra cost and time loss for cabling between the drum and control console: a single tablet can manage several drums (via WiFi).
- Leaf parameterisation (speed, acceleration, ...) is automatically performed during commissioning.
- Modification of functional parameters is easily achievable on site in compliance with your wishes.
- The control console tablet offers a multitude of other functionalities



ADDITIONAL EQUIPMENT

LED lighting	•
Enhanced battery backup	○
10" colour WiFi or wired tablet, IP network connection	○
Exterior and/or interior intercom	○
Detectors for automatic door rotation	○
Voice synthesis	○
8 alarm outputs / 8 command inputs	○
Remote electronics in cabinet	○
Break-in resistant and bulletproof glazing	○
Exterior facade mounting kit	○
Night closure shutter, manual or motorised version	○
Break-in resistance reinforcement from RC2 to RC4	○
Increased passage height up to 2500mm	○
Special height cover up to 600mm	○
Smooth lacquered paint, gloss or matt finish	○
First entry key	○
Key contactor	○
Single passage detection by standard camera	○
Single passage detection by enhanced camera	○

• Standard ○ Option

TECHNICAL DATA

Concrete structure reservation	Height +10mm Width +10mm
Floor	Finished
Floor level	+/–5mm / m^2
Exterior facade installation	Subject to conditions(1)
Airlock delivery	Dismantled
Infill delivery	Dismantled
Maintenance access	50 mm minimum above airlock
Installation space	Airlock height + 50 mm
Power supply	230Vac - 50/60Hz 1,5A/110V VAC 60 Hz 2,5A(2)
Operating voltages	12 and 24Vdc
Consumption	150 W
Ambient temperature	-15°C/+60°C
Relative humidity	<90% without condensation(3)
Cable routing	From above or floor
Motor location	In ceiling
Management location	In ceiling (remote option)

(1) Semi-exterior installation possible subject to conditions (roof above airlock and climate kit option) - Consult Fichet.
(2) Electrical supply at client's expense (protected network compliant with local regulations 10A/30mA).
(3) If the product is installed in a very humid area, a dehumidifier is recommended.

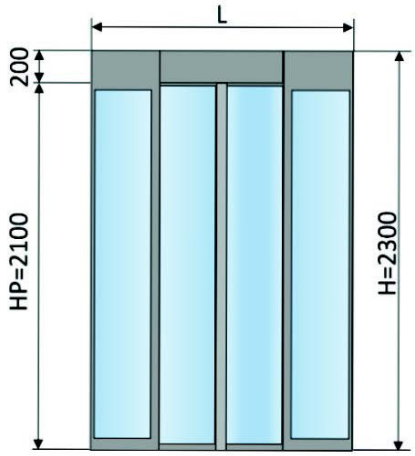
DIMENSIONS

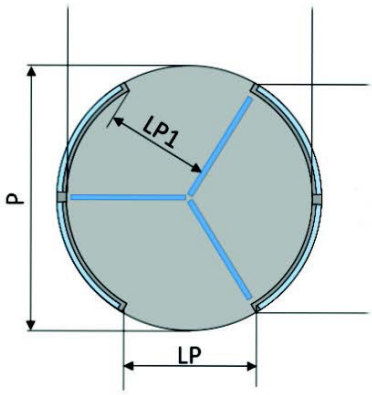
Models/ Dimensions	L (mm) Overall Width	LP (mm) Passage Width	H (mm) Overall Height	HP (mm) Passage Height	P (mm) Depth	Max flow[1]
RV16T - 3 leaves	1600	650	2300	2100	1600	12 à 18
RV18T - 3 leaves	1800	750	2300	2100	1800	12 à 18
RV20T - 3 leaves	2000	850	2300	2100	2000	12 à 18
RV23T - 3 leaves	2300	1000	2300	2100	2300	12 à 18
RV18Q - 4 leaves	1800	1100	2300	2100	1800	16 à 24
RV20Q - 4 leaves	2000	1250	2300	2100	2000	16 à 24
RV23Q - 4 leaves	2300	1450	2300	2100	2300	16 à 24

[1] Flow depends on the access control and uniqueness system.

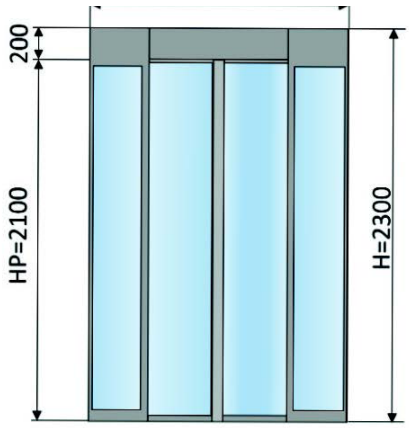
Weight depends on model and protection level: from 750kg

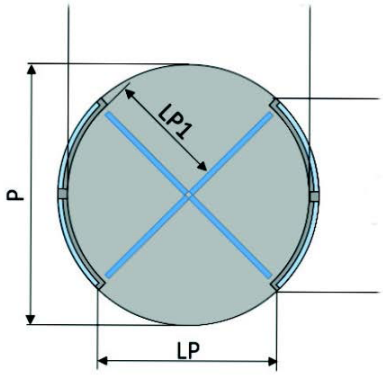
CompacSas RV-T 3 sectors





CompacSas RV-Q 4 sectors





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