



Designed for intra-building sites, The TBV is an elegant revolving gate aimed at dissuasive access control in prestigious entrances. Its sober and modern design has a reduced impact on the architectural environment.

The TBV is a silent gate which allows an ergonomic access control for its users.

As it is bi-directional, the obstacle opens in the user's direction of passage.

Description

1. Steel central pillar treated against corrosion by epoxy paint, fixed to the floor by means of an adjustable base allowing easy levelling.
2. Passage obstacles in clear toughened glass, thickness: 10 mm.
3. AISI 304 stainless steel panels, brushed finish, giving easy access to the electro-mechanical group and to the control board.
4. Electro-mechanical group with a geared motor and an impulse encoder connected to the control board, enabling permanent feedback from the obstacle position and an appropriate reaction by the control board.
5. Control board with LCD and push-buttons for configuration of obstacle movement and test functions.
6. Brushed stainless steel curved handrails guiding passage in the authorised direction.

Operation

At rest, the gate is maintained closed by an electro-mechanical lock.

The gate can be activated by an impulse from an access control system such as push-button or card reader installed on a support post or from a console in the reception area.

After activation, the gate rotates 120° allowing one authorized person to pass through. According to the selected mode, the obstacle rotates automatically or after a light impulse (push and go) and locks automatically.

The opening speed can be adjusted to meet local requirements.

If the gate is obstructed while rotating, the obstacle reverses and makes successive attempts to complete the cycle. These attempts are made with reduced strength to avoid hurting the user.

If the last attempt is still unsuccessful, the motor is automatically switched off to prevent overheating.

A Fire Detection command enables to open the gate immediately (opening direction selectable).

In case of power failure, the gate unlocks and can be opened by pushing the glass leaf.

Standard technical characteristics

- Power supply: 230V AC single phase, 50Hz
(not to be connected to a floating network or to high impedance earthed industrial distribution network).
- Nominal power consumption: 200 W.
- Ambient temperature: between -20^(*) to +60°C
(* Thanks to the heat generated by the powered internal equipment.
- RH: < 90%, without condensation.
- Closed position: adjustable over 360°.
- Minimum opening time (adjustable): 2.5 s
- Weight (including obstacle): 100 kg.
- MCBF (Mean Cycles Between Failures), when respecting recommended maintenance: 1,000,000 cycles.
- IP 51.
- EC compliant.
- DAS Certified (Powered Security Device) in accordance with Fire Safety NF S 61-937 standard.

Options

- Support post on handrail for card reader.
- Push-button on handrail.
- 120 VAC – 60 Hz power supply.
- Non-return lock.

Work to be realised by the customer (see installation plan)

- Power supply.
- Electrical wiring to the control units.
- Possible masonry work.

Standard dimensions (mm)

