

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.

Description

1. Painted stainless steel central pillar, with anti-corrosion treatment, to be fixed to the floor by means of an orientable fixing ring allowing easy levelling.
2. Clear tinted toughened glass panel, thickness: 10 mm.
3. Black hardwood protection handle.
4. Stainless steel plates, brushed finish. These plates ensure easy access to the electro-mechanical group and to the logic board.
5. Electro-mechanical group with a 24V DC motor and an impulse encoder connected to the logic board, enabling permanent feedback about the glass position and an appropriate reaction by the logic.
6. Brushed stainless steel curved handrails avoiding a passage in the opposite direction than the authorized one.

Function

The TBV is 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).

Once the rotation is completed, the TBV re-locks waiting for a next passage, in the same direction or the opposite.

The rotation speed can be adjusted to meet local requirements.

In push and go mode, if the passage has not been initialized by a pedestrian after an adjustable time delay, the obstacle re-locks or starts automatically (at choice).

In case of power failure, the TBV unlocks and can be used manually.

If while rotating the gate is obstructed, the obstacle moves backwards and makes two successive attempts to complete the started cyclus. These attempts are made with reduced strength to avoid hurting the user.

If the third attempt is still not successful, the motor is automatically switched off to protect the user.

A manual push brings the obstacle back to its closed position where it will relock, waiting for the next impulse.

A memory can save up to 5 passages in each walkway. The memory will always empty in one direction before letting the authorized persons through in the other direction. A capacity of 5 passages allows to avoid queues.

Possible on-site adjustments

- Rotating speed
- Starting position
- Delay of authorized passage

Technical data

Power supply:	230V AC, 50Hz
Power consumption:	Max 250 W
Ambient temperature:	0° C to + 50°C
Weight:	98 kgs
Rotation time:	from 3 to 10 seconds

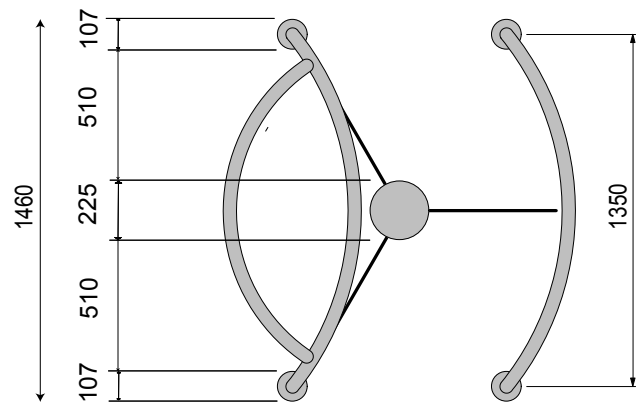
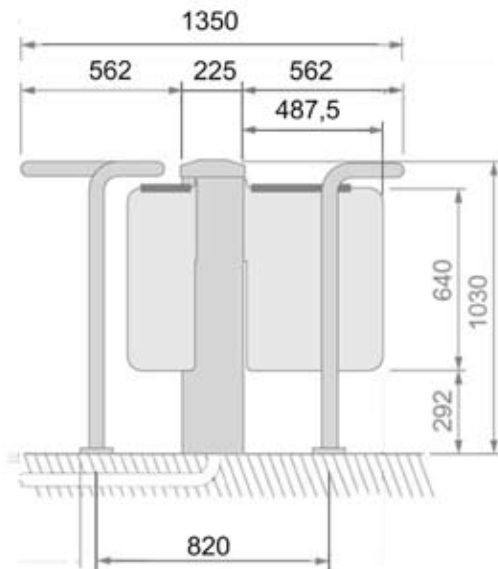
Options

- 120 V 60 Hz single phase version
- Fixing of a card reader on the handrail
- Fixing of a push-button on the handrail (for free entrance or exit)
- Bright polish finish

Work to be provided by the customer

- 230V one-phase power supply
- Electrical wiring to the control units
- Possible masonry work
- See installation plan n°.CH 5343.

Dimensions and installation pattern



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