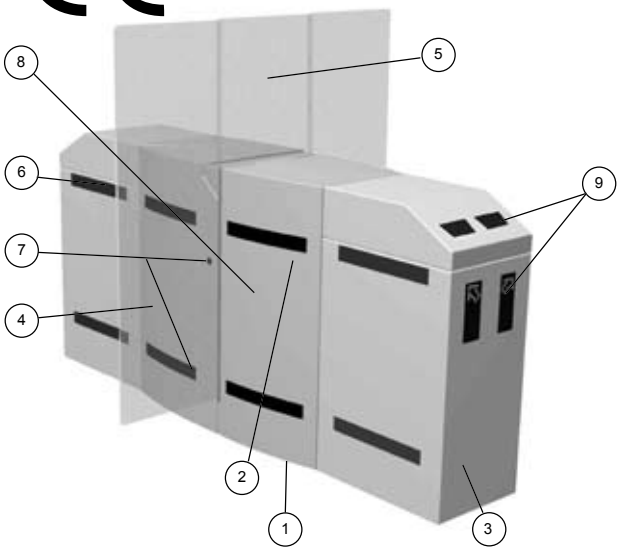
PNG 392 TWIN High Security gate



The PNG 392 TWIN gate ensures rapid, efficient and safe anti-fraud access control of pedestrians in both directions of passage.

The PNG 392 TWIN enables an independant access control of two walkways (450 to 550 mm wide each) for narrow lobbies and corridors.

Its particularly elaborate design makes it easily adaptable to any type of architectural environment. All materials used have been carefully selected for their resistance, endurance and safety qualities, the result of Automatic Systems' engineering experience accumulated for many years.

The PNG 392 TWIN automatic gate consists of three main elements: a central element integrating the principal functions of physical access control, and two end sections that form the walkway and are customised to the type of reading device selected

Description

1. High rigidity self-supporting frame: integrates an electromechanical drive for each movable obstacle, presence detection, users' passage safety sensors and electronic control units.
2. Painted, steel panels: Standard colour available: RAL 5018, Turquoise blue. Other colours, as options. These hingemounted panels can be opened to an angle of 90° to allow easy access to the electromechanical drive and to the electronic control units. Each of these panels is closed by 2 security locks.
3. Front and rear end sections: made of stainless steel sheet, brushed finish. These "rack type" end sections integrate the users' passage control system (badge reader, ticket scanner, etc.) in one or both directions.
4. Retractable glass leaves:12mm thick, clear safety glass leaves that slide into the housing for each opening movement. Leaf height from floor (standard): 1700mm.
5. Fixed glass leaves: clear anti-intrusion toughened glass fixed leaf located above the gate's central element between two access walkways to prevent any fraud by climbing on the gate.
6. Security sensors: ensure users' control and directional detection.
7. Safety sensors: ensure safety of passage between the movable obstacles.
8. Motor and control: The electronic unit that controls the PNG includes:

   - a general connection block
   - 24V DC power supply
   - a programmable logic controller
   - a variable speed controller

   Motorisation is achieved by asynchronous motor through variable speed controller that controls torque and speed of the motor. This system ensures rapid movements with progressive acceleration and deceleration at the end of the movement. An anti-panic opening device is provided to open the obstacles automatically in case of power failure.
9. Orientation and information displays: provided in both passage directions.

Anti-corrosion treatment

All mechanical parts are treated against corrosion by electrozinc dichromate and/or cataphoresis.

Technical characteristics

- Electrical power supply: 230V single-phase, 50-60 Hz.
- Geared motor: 0.12 kW.
- Torque limiter: electronic.
- Speed reduction gearbox: reversible type, life-lubricated.
- Speed adjustment: achieved through electronic variable speed controller.
- Power consumption: at rest: 100 W
  in operation: 700 W
- Operating temperature: -10° to + 45°C.
- Net weight: 330 kg.
- Opening time: 0,7 sec. (out of action time of the reader/coiner).
- Closing time: 0,8 sec. (out of action time of the reader/coiner).
- This equipment is IP40.

Options

- 120V - 60Hz - single phase version .
- Protective silicone strip on the movable leaves' inner edge.
- Various heights for leaves : 1200mm, 1400mm, 1700mm or 1900 mm.
- Front and rear end sections customised to integrate a special access control system (ticket scanner, badge reader , coin acceptor...).
- Out-of-standard RAL colour for panels (reference number to be supplied with order).
- Sand-blasted logo on retractable/fixed glass leaves.
- "Full" stainless steel panels.
- Heating system for operating temperatures up to -20°C.

Work to be provided by the customer

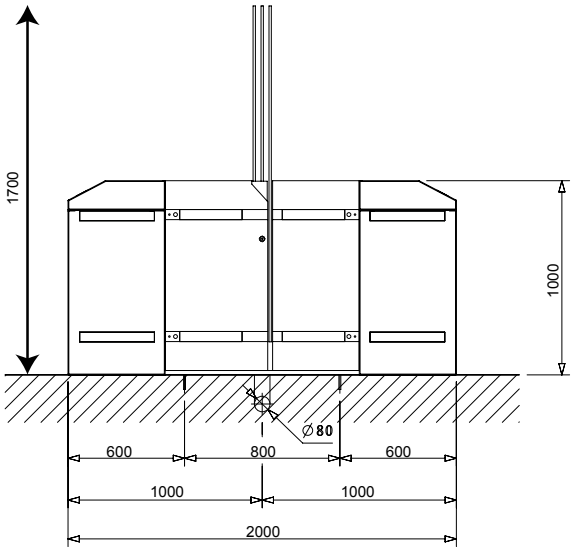
- 230V single-phase power supply + earth (10A).
- Electrical power supply and connection wiring (see installation plan n° CH4717).
- Masonry work.

Installation principle

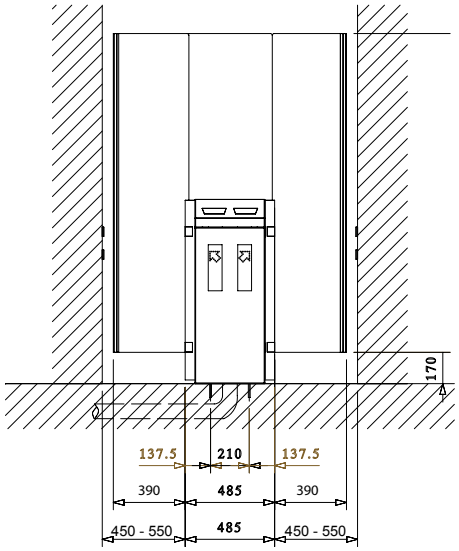
The PNG 392 TWIN is installed between two walls or guardrails.

The equipment operates two independently retractable glass leaves.

Overall dimensions



Foundation



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