

The PNG 380 automatic gate ensures rapid, efficient and safe dissuasive access control of pedestrians in both directions of passage.

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 fruit of Automatic Systems' engineering experience accumulated for many years .

The PNG 380 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 integrate the access control system selected (badge reader, for example).

Description

1. High rigidity self-supporting frame: integrates an electromechanical drive for each movable obstacle, presence detection, users' passage safety sensor and electronic control units.
 2. Painted, steel panels: Standard colour available: RAL 5018, Turquoise blue. Other colours, as options. These hinge-mounted 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 two security locks.
 3. Front and rear end sections: made of stainless steel sheet, brushed finish. These end sections integrate the users' passage control system (badge reader, ticket scanner, etc.) in one or both directions.
 4. Retractable glass leaves: 12 mm thick, clear safety glass leaves sliding into the housing for each opening movement. Standard leaf height from floor : 1000 mm.
 5. Security sensors: ensure users' control and directional detection.
 6. Safety sensor: ensures safety of passage between the movable obstacle.
 7. Motor and control: the electronic unit that controls the PNG includes:
 - a general connection block
 - 24 V 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.
 8. Orientation and/or information displays: can be provided in one or two passage directions, optional.
- A similar equipment compliant with the UL requirements can be offered.

Anti-corrosion treatment

All mechanical parts are treated against corrosion by electrozinc.

The PNG 380 is certified by CEBC (SGS) and registered as n° 11170.

Technical characteristics

- Electrical power supply: 230V single-phase, 50/60 Hz.
- Geared motor: 0.12kW.
- Torque limiter: electronic.
- Speed reduction gearbox: reversible type, life-lubricated.
- Speed adjustment: achieved through electronic variable speed controller.
- Power consumption: at rest = 120W per walkway
in operation = 250W per walkway.
in peak = 9 amperes
- Operating temperature: -10° to + 45°C.
- Net weight: outer gate (L or R): 150kg.
intermediate gate: 190kg.
- Opening time: 0,3 sec. (out of action time of the reader/coiner).
- Closing time: 0,5 sec. (programmation ex works),
other speeds programmable : 0,75, 0,9 and 1.0 sec. (out of action time of the reader/coiner), see factory.
- This equipment is IP40.

Options

- 120V - 60Hz - single phase version.
- User orientation and/or information display.
- Protective silicone strip on the movable leaves' inner edge.
- Various heights for leaves up to 1900 mm.
- Front and rear end sections customised to integrate a special access control system.
- 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 + GND, 50/60 Hz (10A).
- Electrical power supply and connection wiring (see installation plan n°CH4717).
- Possible masonry work.

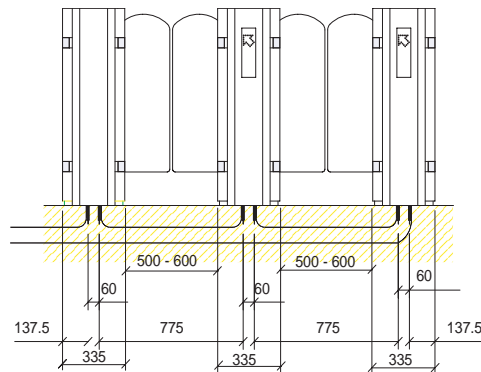
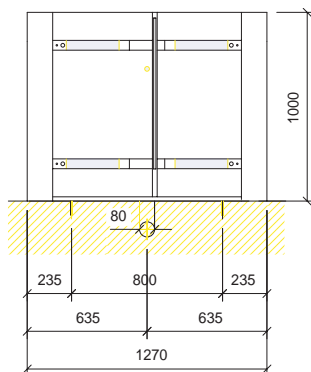
Installation principle

An access walkway has a left and a right gate, each consisting of a half obstacle leaf and operating simultaneously. To install a series of several access walkways, all that is needed is to place one or more intermediate units each with 2 half obstacle leaves between them and operating simultaneously with the other half obstacle leaf of the controlled access walkway.

Caution

For safety reasons, it is recommended that children are maintained under the supervision of an adult in the vicinity and when passing through the gate.

Overall dimensions & Foundation



Our dealer

automatic[®]
systems

Av. Mercator 5 B-1300 Wavre Belgium
Tel. +32 10 23 02 11 / Fax +32 10 23 02 02
asmall@automatic-systems.com
www.automatic-systems.com

VER Group



With a constant view of adopting the latest technological developments, Automatic Systems reserves the right to amend the information above, at any time.