

PEGAS GL

BASIC CHARACTERISTICS



Attractive and sophisticated design that combines the glass and noble materials make the gate **PEGAS-GL/GLE** the suitable accessory for the turnstiles and it is also the original solution for access control system. It can be used in interior of representative entrance halls and lobby where is the person's movement through gates controlled by service. It is the best solution for handicapped people, in case of movement of large objects or emergency situation. Different glass coloured design makes possible to suitably integrate the gate **PEGAS-GL/GLE** into any environment.

Gate **PEGAS-GL/GLE** is supplied with a motor driven unit and its silence and fluent running make higher user's comfort.

Motor drive unit MT

Motorized unit of gate **PEGAS-GL/GLE** is characteristic by its high comfort, reliable and service-free running:

- effective blocking system in combination with motor drive unit
- high security level is provided by prompt turnstile movement stopping at the moment of obstruction detection
- silent and fluent running
- the possibility to open the gate after the pushing the wing by passing person

Motor drive unit is supplied in two variants:

- FAIL-LOCK:** during power failure the gate is blocked and by using the backup device it is possible to ensure the standard gate's operation for a period of min. 6 hours
- FAIL-SAFE:** during the power failure (or state of emergency) the gate is unblocked and it can be freely opened by hand in both directions

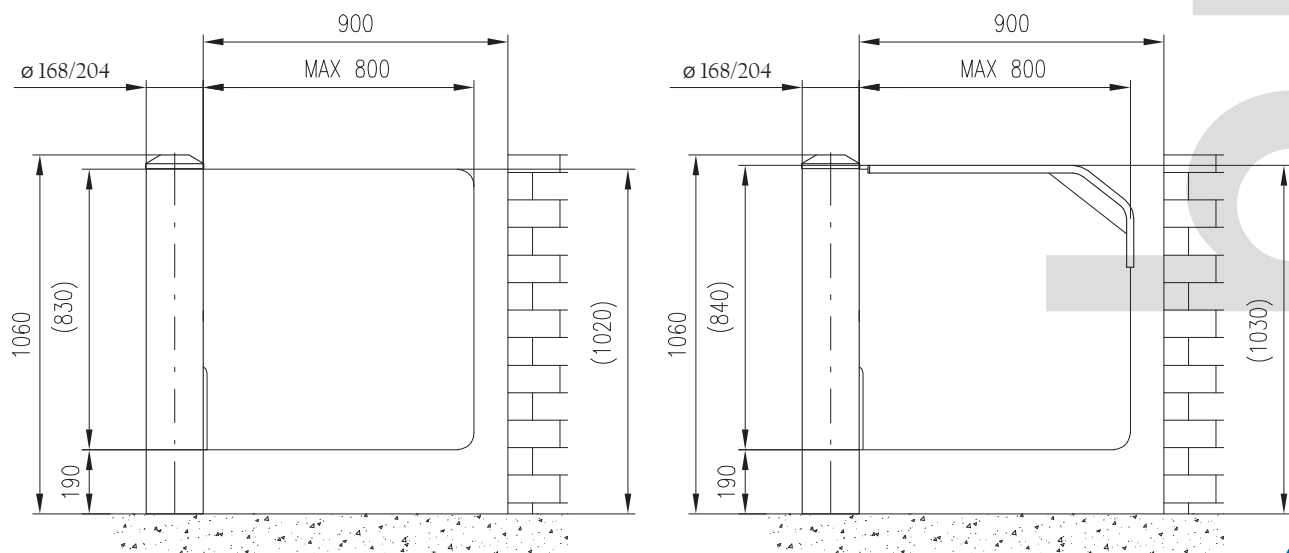
MATERIALS AND SURFACE TREATMENT

Central column: stainless tube, \varnothing 168 mm (standard - brushed stainless steel)

Wing: tempered safety glass, thickness 8 mm, frameless (standard - clear glass, width: 800 mm, transit width: 900 mm)

Other mechanical parts of turnstile are finished by galvanic zincing or blackening.

The opened one-wing gate have got the width for transit almost 900 mm.



If there is a requirement to have a bigger width, it is possible to locate two gates **PEGAS-GL/GL** against each other whereby you get much bigger free space for movement or evacuation.

The most up-to-date control electronics ensure the synchronous running of this tandem-gate set.

INTERFACE

Gates are controlled by microprocessor control electronics that communicates with superior control system via following input and output TTL signals:

- for each direction of opening (closing) one activation input
- output for position signalling the gate in operation (BUSY)
- two alarm outputs signalling the time of opening longer than 2 and 4 minutes
- synchronizing input to control tandem gates

By the help of switch configuration on electronics it is possible to select the following options to control the gate:

- automatic opening after receiving the control signal for opening
- opening after pressing during the adjustable time to realize the passing
- automatic closing after expiry of adjustable time for passing
- closing by virtue of the losses of permanent signal for opening
- closing the gate by virtue of receiving the control signal for closing

Control electronics ensures gate opening by both directions at an angle 90° (total angle 180°) - **PEGAS GLE** model. At customer request it is possible to increase the total angle according to exact specification up to 340° (**PEGAS-GL** model).

Control electronics is protected against the short-circuit, overloading or mismatch of polarity

BASIC TECHNICAL PARAMETERS

Scheme of power unit electric parameters

Type of drive unit	Rated supply voltage	Power supply at the basic turnstile mode		
		Standby	BUSY	Transit
Motorized FAIL-LOCK	12VDC	0,8W	10W	20 - 30W
Motorized FAIL-SAFE	12VDC	1W	1W	15 - 20W

- standard range of working temperatures +10°... +50°C
- range of working temperature with heating module -25°... +50°C
- range of storage temperatures 0° ... +50°C
 - maximum relative humidity 80% (non-aggressive environment)
 - MCBF: 3 000 000 cycles (number of cycles before error)

Increase of power supply on motor drive unit with automatic warming is 24W.



ACCESSORIES

Columns and holders for accessories:

Columns and holders for placing the reader of identification systems or other accessories

Touch control panel

Remote manual control button panel.

Back-up accumulator:

During a power failure the accumulator ensures the gates **PEGAS-GL** running for a period of minimally 6 hours of continuous operation.

Pushbar

Stainless pushbar from tube ø 22mm located on the upper side of glass wing (standard - brushed stainless steel).

Recommended for operation mode of opening gate after pressing the gate's wing.

Identification systems:

For verification of access right of passing persons it is possible to connect to the **PEGAS-GL/GLE** any type of barcode, magnetic card, proximity card, smartcard card, biometric reader etc.

Specific variants:

- choice of wing's width (max 800 mm)
- choice of coloured glass
- central column from tube ø 204 mm
- glass design/logo according to architect's request