

PEGAS SF

BASIC CHARACTERISTIC

Automatic gate **PEGAS SF** with its resistant metal structure and modern design is the typical device for access control that ensures safe and easy transit of persons. It is the best solution for handicapped persons, in case of movement of large objects or emergency situation. It can be installed separately or together with turnstiles in environments where the movement of persons is controlled by service. The stainless steel design of all main parts guarantee a high durability in interior or exterior. The frame of gate wing can be modified according to architect's requirements or it is possible to fill it by some glass panel.



Gate **PEGAS-SF** is supplied with motor drive unit and its silence and fluent running make higher user's comfort.

Motor drive unit MT

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

- effective blocking system in combination with motor-driven 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 functions for a period of min. 6 hours
- FAIL-SAFE:** during the power failure (state of emergency) the gate is unblocked and it can be freely opened by hand in both direction

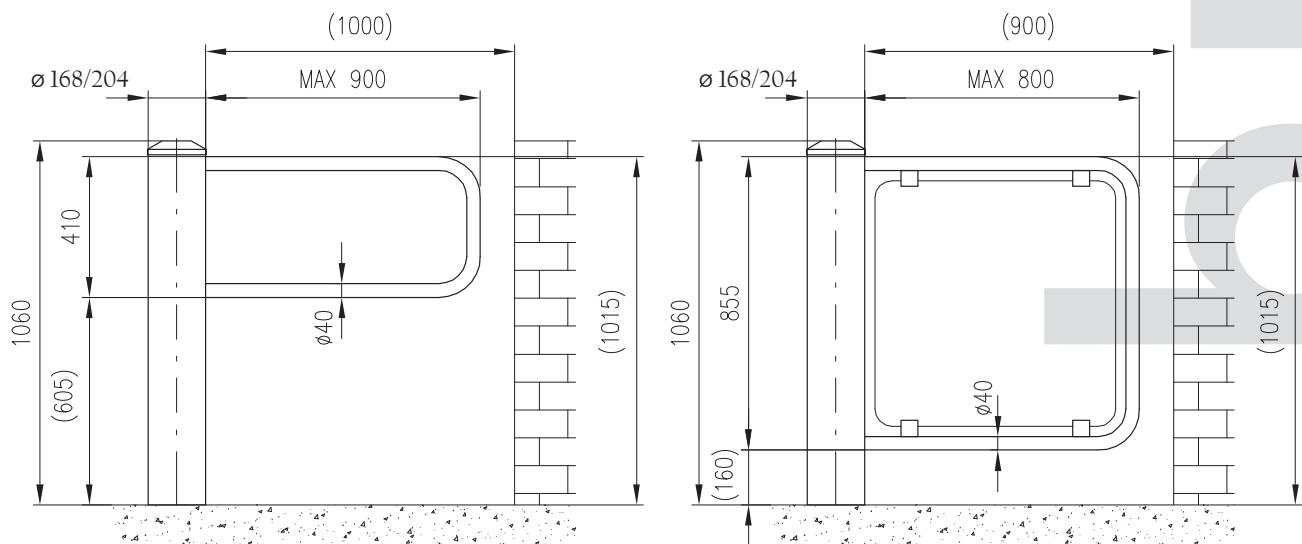
MATERIALS AND SURFACE TREATMENT OF GATE:

Standard surface treatment: brushed stainless steel

Central column: stainless tube, \varnothing 168 mm

Wing: the frame is from stainless tube, \varnothing 40 mm (standard size w x h - 800 x 410 mm for transit 900 mm)

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



If there is a requirement to have a bigger width, it is possible to locate two gates **PEGAS-SF** 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 using 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 angel 180°). At customer request it is possible to increase the total angel according to exact specification up to 340°. Control electronics is protected against the short-circuit, overloading or mismatch of polarity.

BASIC TECHNICAL PARAMETERS

Scheme of drive 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 **PEGAS-SF** gates running for a period of minimally 6 hours of continuous operation.

Counter:

Turnstile can be equipped with the passage counter.

Infill glass panel:

Security glass thickness 6 mm placed into the wing's frame.

Identification systems:

For verification of access right of passing persons it is possible to connect to this gate **PEGAS-SF** any type of barcode, magnetic card, proximity card, smartcard card, biometric reader etc.

Outdoor design

Automatic warming of drive units controlled by thermosensor.

Specific variants:

- choice of wing's shape and width (max 900 mm)
- central column from tube \varnothing 240 mm