

Data Sheet

EXPRESS GATE**1 - DESCRIPTION****Express Gate PAR**

(Reversible Automatic Access Control Gate)

**Express Gate PMR**

(PAR for people with limited mobility)

i

Controlled access gates especially designed to allow people quick, safe and controlled access to installations of all types.

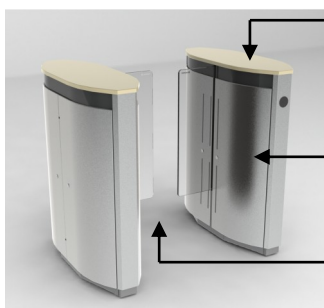
They are principally used in offices, corporate buildings, sports centres and official buildings, to allow authorised users access and block access to unauthorised persons.

Two modules are necessary to form 1 access gate.

The modules are made up of an elegant unit that serves as a support for the mobile leaves, the safety photocells, the access control readers and Manusa's exclusive system for opening doors with complete safety.

It has been conceived giving priority to design to achieve:

- A robust, functional and elegant design with small dimensions so it occupies a minimum of space.
- Maximum reliability
- Silent operation
- Integration in any architectonic project
- Adaptation to any new or existing system for access control and validation
- Minimum maintenance and consumption.
- Integration with any control system or external automatization.

2 - FINISH OPTIONS**Upper surface:**

- Varnished wood available in 4 colours
- Powder coated wood in any colour of the RAL chart
- Synthetic stone available in a wide range of colours

Exterior of the unit:

- Corrosion resistant stainless steel AISI 304
- Corrosion resistant stainless steel AISI 316 (optional)
- Personalised RAL finish supplied by the customer (optional)

Panels:

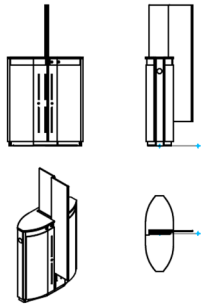
- Mobile panel: 12 mm tempered glass
- Division panel: 10 mm tempered glass

3 - AVAILABLE VERSIONS

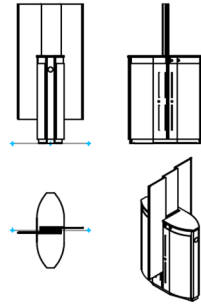
The EXPRESS GATE by **manusa** is modular and there are modules to make up any composition required:

PAR MODULES - 1700 HIGH PANELS

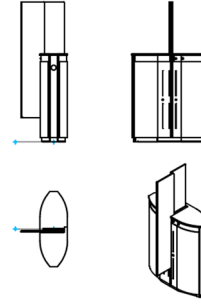
Left Side



Centre

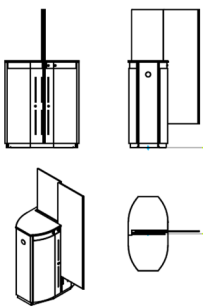


Right Side

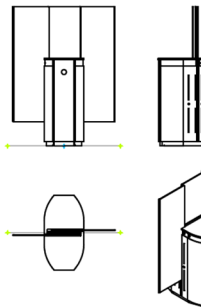


PMR MODULES - 1700 HIGH PANELS

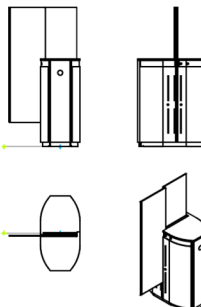
Left Side



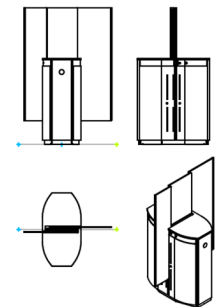
Centre



Right Side

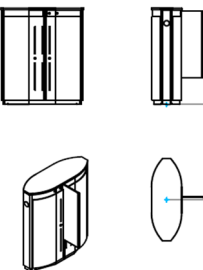


Mixed Centre

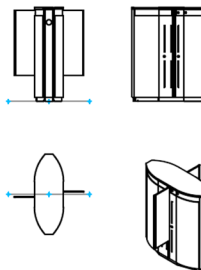


PAR MODULES - 1040 HIGH PANELS

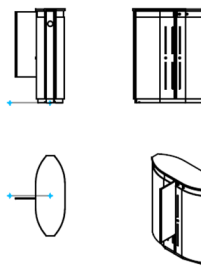
Left Side



Centre

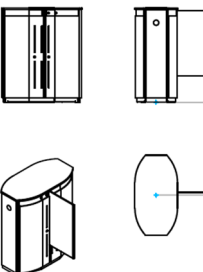


Right Side

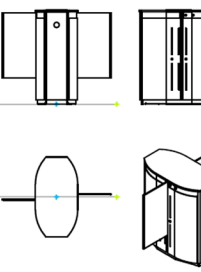


PMR MODULES - 1040 HIGH PANELS

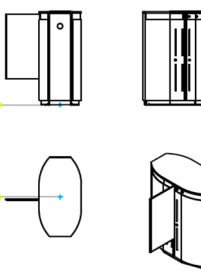
Left Side



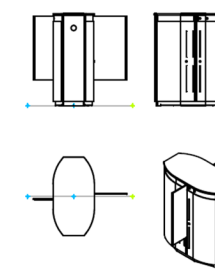
Centre



Right Side



Mixed Centre



4 - TECHNICAL FEATURES

The EXPRESS GATE by **manusa** offers a kinematic performance that is unique in the sector.

MECHANICAL FEATURES OF THE PAR

Dimensions (height x width x length) (1)	1070x325x900
Opening (width)	600 mm
Distance between edges of the leaf	140 mm
Height of the panel	1040 or 1700 mm (2)

FEATURES OF THE PAR MOTORS

Adjustable opening time	0,6 to 1,5 s
Adjustable closing time	0,6 to 1,5 s
Adjustable closing force	40 to 140 N
Independent regulation of speed/force	Yes

ELECTRICAL FEATURES

Power supply (standard)	230v 50Hz ±10%
Power supply (optional)	110v 60Hz ±10%
Motor	AC Three phase
Inverter technology (exclusive of Manusa)	VV-VF
Nominal consumption in operation	265W (by access gate)
Fuse protection	4 A
Operating temperature	-15°C to 50°C

APPLICABLE DIRECTIVES

Low voltage	2006/95/CE
Electromagnetic compatibility	2004/108/CE
Building products	89/106/CE
Safety of machinery	2006/42/CE
Detection devices	EN 12978

MECHANICAL FEATURES OF THE PMR

Dimensions (height x width x length) (1)	1070x475x900
Opening (width)	900 mm
Distance between edges of the leaf	140 mm
Height of the panel	1040 or 1700 mm (2)

FEATURES OF THE PMR MOTORS

Adjustable opening time	1 to 1,5 s
Adjustable closing time	1 to 1,5 s
Adjustable closing force	40 to 140 N
Independent regulation of speed/force	Yes

SAFETY

Detection of obstruction with automatic opening	Yes, adjustable
Mechanical closing with interlocking of leaves (3)	Yes
Panic break-out opening without electric supply	Yes
Opening due to fire alarm	Yes
Connectable safety photocells	Self-supervised

(1) Dimensions without panels

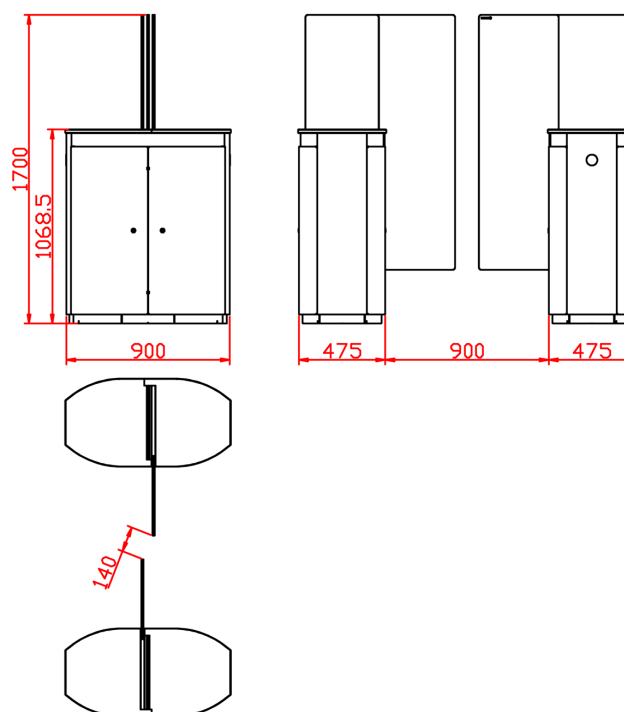
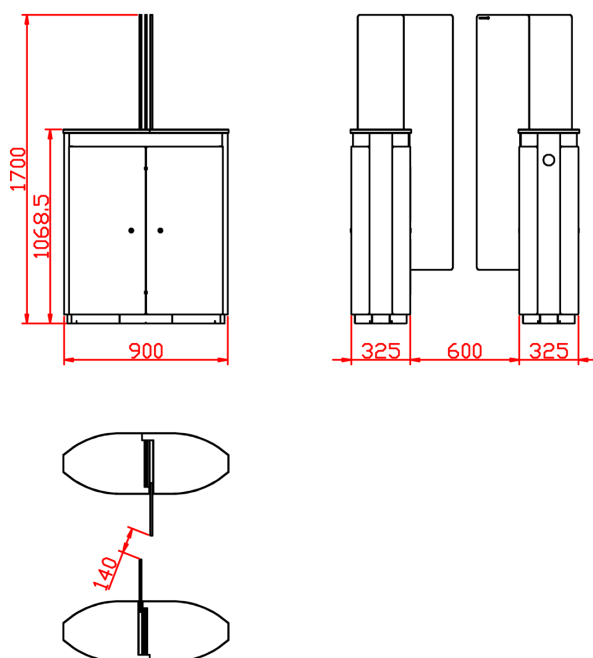
(2) Other lengths available on request

(3) In option

DIMENSIONS

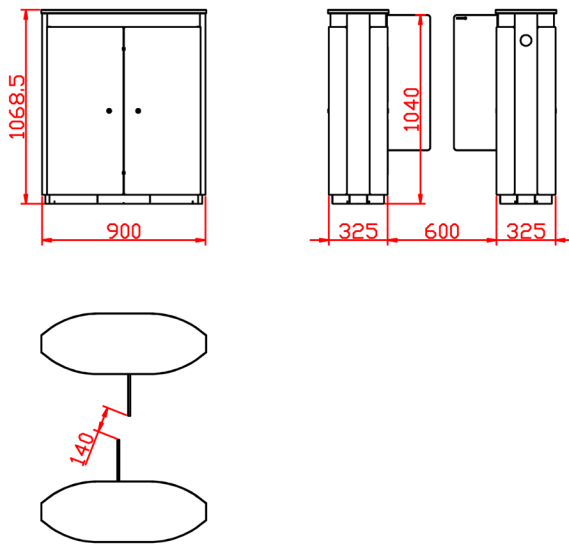
PAR - 1700 HIGH PANELS:

PMR - 1700 HIGH PANELS

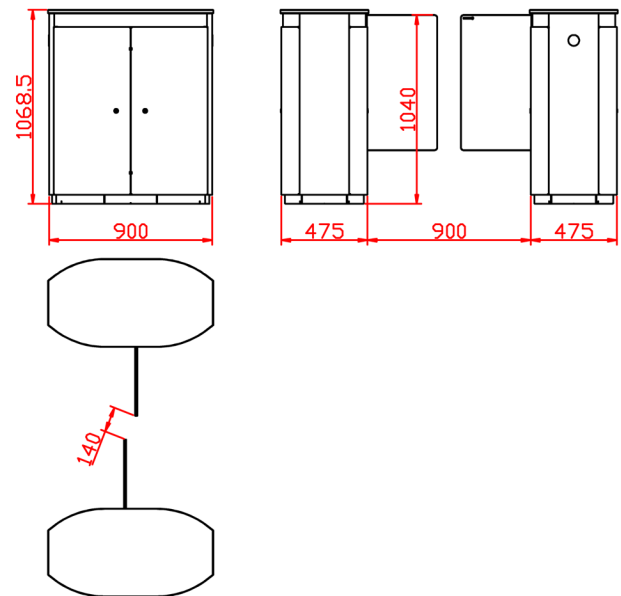


DIMENSIONS

PAR - 1040 HIGH PANELS:



PMR - 1040 HIGH PANELS:



5 - SAFETY FEATURES

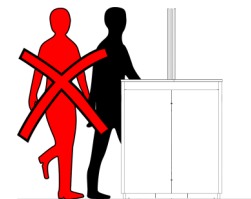
The EXPRESS GATE by **manusa** has new technological features such as:

Mechanical safety

- Automatic opening of panels when an obstruction is detected.
- Fail-safe device: in case of emergency or power failure, the panels open automatically to facilitate evacuation.
- The position of the panels is controlled with an independent magnetic encoder, which is totally unaffected by dust and moisture.
- The mechanical design has no brakes or clutch to minimise maintenance.
- The glass panels can be locked with a mechanical cylinder lock and key.

Access security

- Photocells for safety, tampering and obstruction with independent transmitter and receptor technology.
- Alarms for intrusion, obstruction and unauthorised access attempts.
- Bidirectional control with operating mode selector.



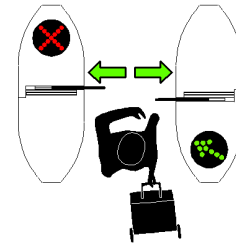
6 - OPERATING MODES

The system has 4 preset operating modes, selected mechanically using a key at the unit and/or remotely:

- **Controlled entry / controlled exit:** the user must be accredited to be granted entry to or exit from the enclosure.
- **Controlled entry / free exit:** the user must be accredited to access, but exit from the enclosure is free.
- **Closed:** access blocked in both directions.
- **Open:** no access restriction in either direction. Its use is limited to special situations or emergencies.

In the bidirectional operating modes, if the validation in both directions coincides, the first user takes the priority indicated by the pictographics.

The access control pictographics (green arrow or red cross) ensure optimum signage however the environment is lit and from any viewing angle, indicating to the user the direction of access authorised or restricted.



The traffic speed is 40 people/minute, depending on the access control validation mode (RFID or proximity).

7 - ACCESORIES

The EXPRESS GATE is compatible with various **manusa** accessories:

- Remote operating mode selector
- Remote manual open button
- IT application *Gate-Link* via Ethernet for operating mode selection
- Integration of various access control systems or presence terminals according to client specifications
- Several possibilities of interface in communications with external control systems according to client specifications.

NOTE: The characteristics indicated in this document are purely informative, and not in any way contractual.

The manufacturer reserves the right to make modifications without prior notice.

Last revision: March 2011

manusa 

HEAD OFFICE

Av. Vía Augusta, 85-87, 6th
08174 Sant Cugat del Vallés
Barcelona - Spain
Tel. +34 902 321 400
Fax. +34 902 321 450

FACTORY

Ctra. Pla de Sta. María 235-239
43800 Valls - Tarragona (Spain)
Tel. +34 902 321 700
Fax. +34 902 321 750

www.manusa.com