



## AUTOMATIC GATES WITH AUTOMATIC SYSTEMS' INTEGRATED SCREENING SOLUTION WITH PEOPLE COUNTING CAPABILITIES

*SafeFlow* <<*SmartLane*>>

### UNIQUE SELLING POINTS OF SAFEFLOW

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| <ul style="list-style-type: none"> <li>✓ Contactless solution</li> <li>✓ Heavy duty device (screen MTBF : 50 000 hours) in solid metal casing</li> <li>✓ Fast processing real PC</li> <li>✓ Made in Europe</li> <li>✓ German technology</li> <li>✓ Enhanced mask wearing detection (including masks of colour and with patterns) and skin surface temperature screening</li> <li>✓ Gate-device dedicated connectivity, with separate alarms for absence of mask / abnormal skin surface temperature and device's status (operational or out of order)</li> </ul> | <ul style="list-style-type: none"> <li>✓ Crowd management via SafeFlow SmartTouch</li> <li>✓ Remote supervision (alarms, status, settings) via SafeFlow SmartTouch</li> <li>✓ Intuitive LED light on top of the device giving the status of the request (green = accepted, red = denied)</li> <li>✓ Customizable userfriendly interface (text and sound)</li> <li>✓ HDMI for countdown display</li> <li>✓ Emergency exit EN13637 option</li> <li>✓ Communication via Ethernet and Dry contact, in standard</li> <li>✓ Embedded quality speaker</li> <li>✓ FCC15</li> </ul> |
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Designed for intensive use in intra-building sites, the **SmartLane** security entrance lanes provide dissuasive control of pedestrians taller than 1 m, with or without luggage, in both directions.

With its mechanical design and embedded electronics, the equipment guarantees an average level of security (prevention of fraud) and a high level of safety (protection of users during operation).

The gate can be installed in series, in which case it is necessary to define left-hand, right-hand and intermediate housings (with a mobile leaf on both sides of the housing).

For the **SmartLane 91x** range, their wide corridor facilitate the passage of less able people, wheelchairs, carriages and other cumbersome objects. The latter can be hybrids (left and right leaves of different widths) in order to ensure compatibility with the SmartLane 90x range.

The **SmartLane 91x Twin** are installed between 2 walls, partitions or railings on which the reflectors are fitted that are needed for the operation of the detection cells.



### SMARTLANE PRODUCT DESCRIPTION

1. Self-supporting frame (made from galvanized steel) integrating the electromechanical drive assembly for each mobile leaf, the photoelectric cells for the detection of the presence of users, and the control boards.
2. Brushed AISI 304L stainless steel housing.
3. Brushed AISI 304L stainless steel side panels with key lock, allowing easy access to the electromechanical unit and the control boards.
4. Monolithic clear 12 mm thick tempered glass leaf, retracting completely into the body on opening.
5. Black laminate top cover (stainless steel around the fixed glass if any: i.e. for mobile leaf height > 1000 mm).
6. Electromechanical unit consisting of:
  - A three-phase asynchronous reduction motor.
  - Secondary transmission with crank-and-rod linkage ensuring perfect mechanical locking in both extreme positions.
  - A device for automatic opening of the mobile leaves in the event of a power failure.
  - A variable-speed controller ensuring progressive accelerations and gradual decelerations, for a movement without vibration and for protection of the mechanism and the users in the event of contact with the mobile leaves.
  - An inductive sensor controlling the position of the mobile leaf.
7. Dual control board ensuring the management of the gate and providing support for various control options and/or accessories. An LCD allows navigation in the drop-down menus and the modification of certain parameters.

8. Transfer of information through potential-free contacts: passage authorization, passage information, defect, state of the gate (free, prohibited, alarm...).
9. Orientation pictogram, indicating the state of the gate to the user (in service or out of service)...
10. Photoelectric cells for detecting presence, ensuring the control of the movement of the users through the gate as well as their safety during the movements of the mobile leaves.

### ADDITIONAL DESCRIPTIONS SMARTLANE 901, 902, 911 AND 911TWIN, 912 AND 912 TWIN



1. Extension, allowing to increase the level of safety by increasing the number of detection cells and to integrate an optional access control system (badge reader for example).
2. Fixed glass preventing climbing over the gate.

### STANDARD TECHNICAL SPECIFICATIONS

		SL 900	SL 901	SL 902	SL 910	SL 911	SL 912	SL 910 Twin	SL 911 Twin	SL 912 Twin
Nominal consumption		250 W / per gate.	250 W / per gate.	250 W / per gate.	250 W / per gate.	250 W / per gate.	250 W / per gate.	270 W (simultaneous movement of the 2 obstacles)	270 W (simultaneous movement of the 2 obstacles)	270 W (simultaneous movement of the 2 obstacles)
Min. opening or closing times	Opening time	0.3 s	0.3 s	0.3 s	0.7 s	0.7 s	0.7 s	0.7 s	0.7 s	0.7 s
	Closing time	0.5 s	0.5 s	0.5 s	0.8 s	0.8 s	0.8 s	0.8 s	0.8 s	0.8 s
Weight:	per end cabinet left/right	150 kg	160 kg	180 kg	180 kg	200 kg	220 kg			
	per intermediate cabinet	230 kg	250 kg	260 kg	250 kg	270 kg	290 kg			
	per cabinet							250 kg	270 kg	290 kg
Power supply		Single-phase 230 VAC + ground, 50/60 Hz (Do not connect to a floating network or to highimpedance earthed industrial distribution network)								
Motor		Three-phase asynchronous 0.12 kW								
Operating temperature		0 to +50 °C								
MCBF		Average number of cycles between breakdowns, when respecting recommended maintenance: 5.000.000								
Protection		IP 40								
Communication		CAN bus communication between the various modules making up the passage								
CE		Conforms to CE standards								

## OPTIONS

	SL900	SL901	SL902	SL910	SL911	SL912	SL910 Twin	SL911 Twin	SL912 Twin
Glass leaves of non-standard height - 1200, 1700 or 1900 mm	•	•	•	•	•	•	•	•	•
Protective section for mobile glass leaves, all heights	•	•	•	•	•	•	•	•	•
Group of protection cells on fixed glass leaves of 1200, 1700 or 1900 mm	•	•	•	•	•	•			
Enhanced electronic protection cell kit (A and B directions)	•	•	•	•	•	•	•	•	•
Trolley protection cell kit per direction	•	•	•	•	•	•	•	•	•
Enhanced electronic protection and trolley protection cell kit, per A and B directions	•	•	•	•	•	•	•	•	•
"Free opening" cell kit	•	•	•	•	•	•	•	•	•
Function pictogram, per direction	•	•	•	•	•	•	•	•	•
External support kit for reader integration on housing or on extension	•	•	•	•	•	•	•	•	•
Electromagnets to lock obstacles in open position in case of power failure (per lane)	•	•	•	•	•	•	•	•	•
Power supply 120 V – 60 Hz (per lane)	•	•	•	•	•	•	•	•	•
Personalized logo on glass – sandblast effect sticker	•	•	•	•	•	•	•	•	•
Painted stainless steel panels	•	•	•	•	•	•	•	•	•
Extension with stainless steel filler pan	•	•	•	•	•	•	•	•	•
Laminate top cover	•	•	•	•	•	•	•	•	•
Stainless steel top cover	•	•	•	•	•	•	•	•	•
Smart & Slim monitoring panel	•	•	•	•	•	•	•	•	•

**Note:** For restrictions on options, refer to the price list.

## WORK TO BE PROVIDED BY THE CUSTOMER

- Bolting the unit to the floor.
- Power supply.
- Cabling between gates in the same array.
- Cabling to any external peripherals.
- Integration of any accessories.

**Note:** Comply with the installation drawing.

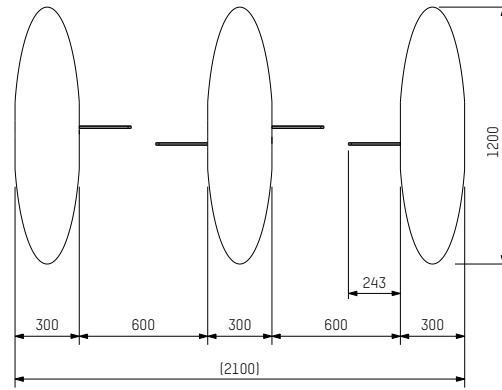
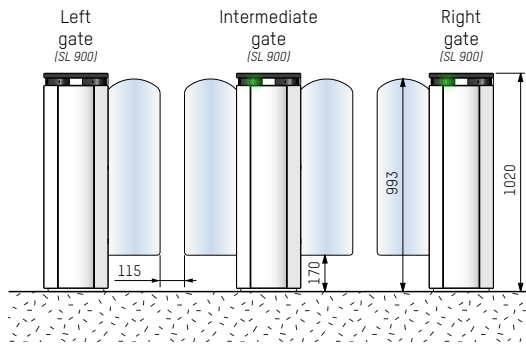
## PRECAUTIONS FOR USE

- For security reasons, children (user smaller than 1 m tall) must be supervised by an adult at all times when in the vicinity of the unit and during passage through the lane.
- A child must absolutely precede the accompanying adult when lane passage is required.
- If habitual use by children is anticipated, Automatic Systems recommends the addition of all options required to optimize the level of protection.

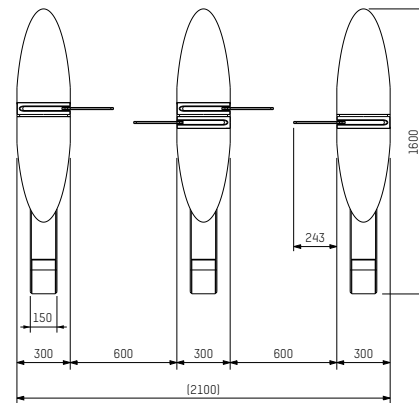
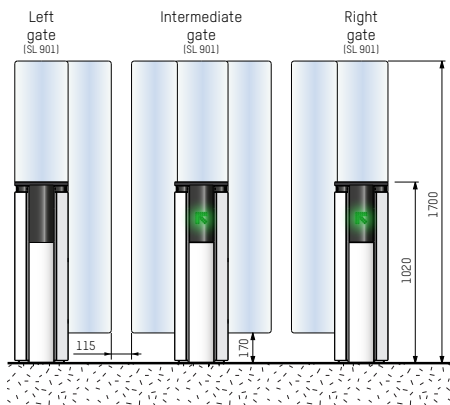
**DIMENSIONS STANDARD (MM) :**

**1. NARROW PASSAGE**

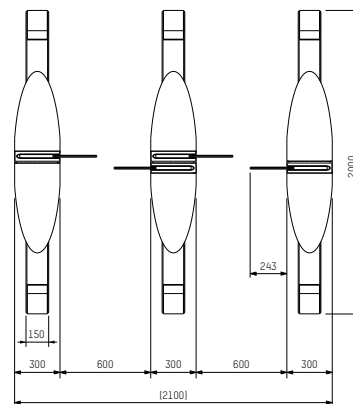
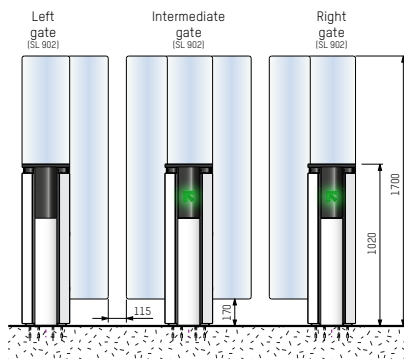
**SL 900**



**SL 901**

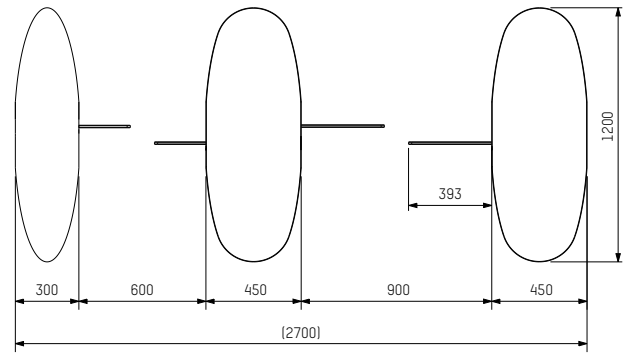
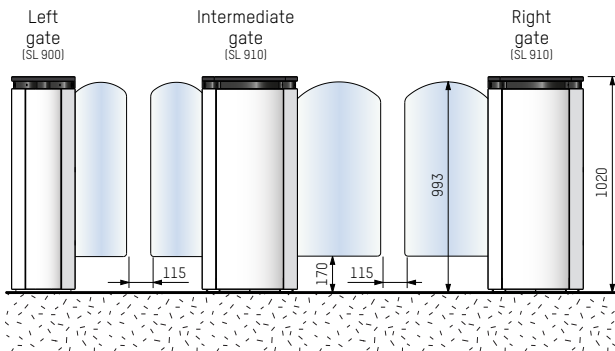


**SL902**

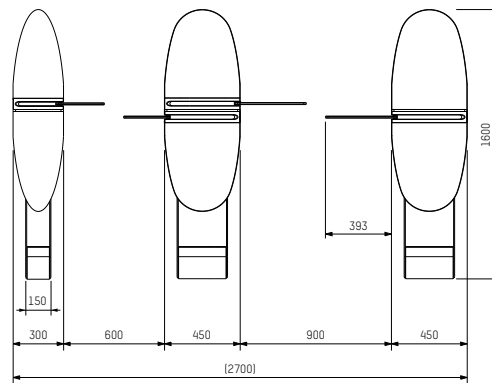
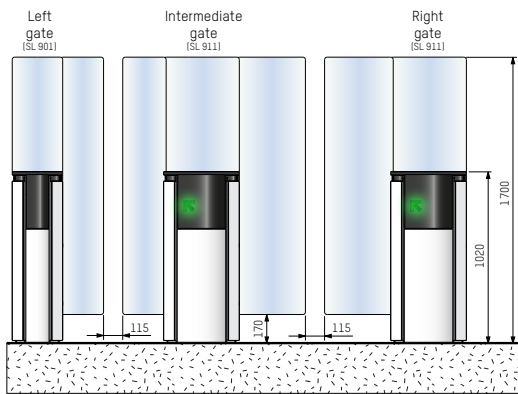


## 2. WIDE PASSAGE

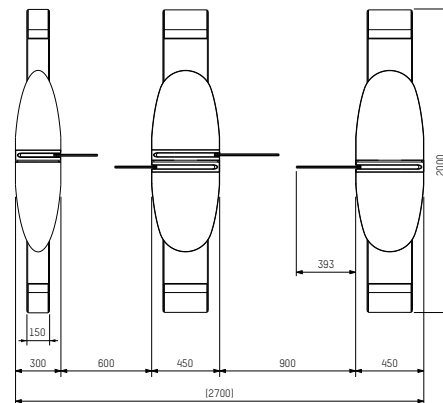
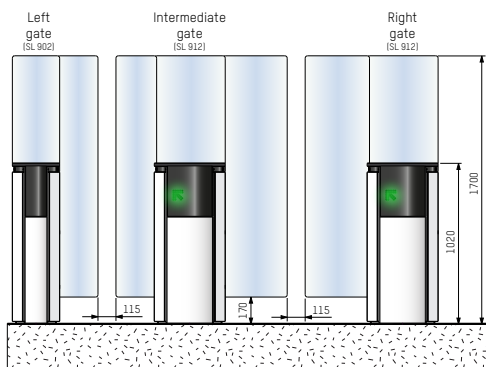
### SL 910



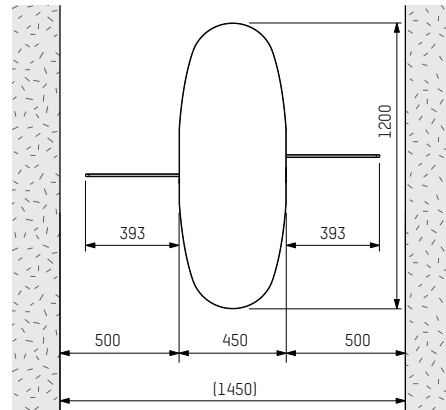
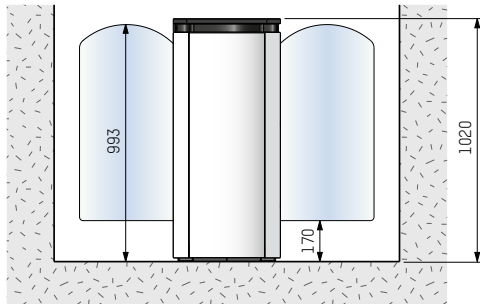
### SL 911



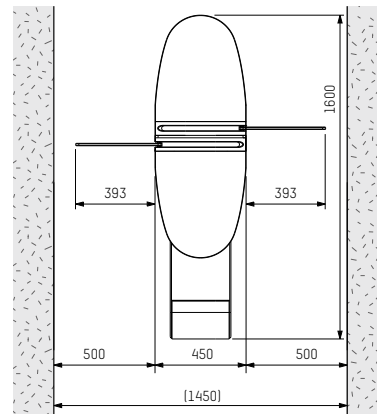
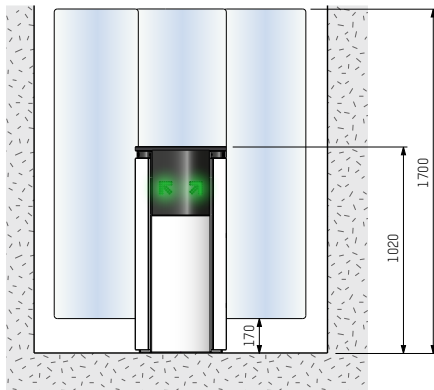
### SL 912



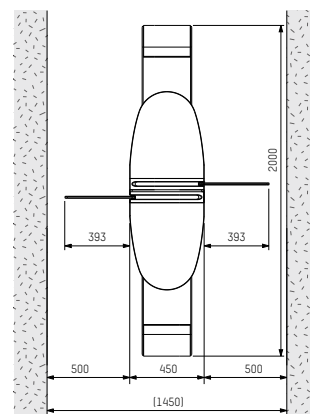
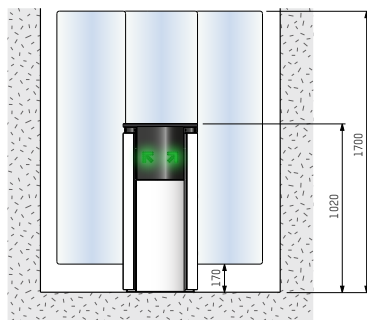
### SL 910 TWIN



### SL 911 TWIN



### SL 912 TWIN



## SAFEFLOW FEATURES

The **SafeFlow** is a "Made in Europe", proprietary solution that provides key tools to enhance and automate screening for mask detection and skin surface temperature, combining state of the art technologies. The SafeFlow can also help control the amount of people within a designated area by keeping track of the quantity of passages.

### Key elements are at the core of the solution:

#### 1. Skin Surface Temperature

The thermal sensor integrated into the solution is based on infrared technology, and is powered by a high performance processor. Its detection range starts at 50cm and the precision of the measurement is 0.5°C, without "Blackbody" calibration.

The detection, performed without any contact between the user and the device, eliminates the contamination risk by physical contact. It is also a comfortable method to check skin temperature because it is non-invasive.

By verifying each individual's temperature and denying access to those with a skin temperature above the threshold, the solution prevents their entrance into the facility.

#### 2. Face Mask Presence Detection

The precision camera backed by the high performance processor embarking artificial intelligence allows for a fast analysis of the presence or absence of the mask on the individual's mouth and nose.

Access is denied if the person does not comply with the mask-wearing obligation.

#### 3. Crowd Management & Maximum person presence allowed management

Thanks to the SafeFlow SmartTouch monitoring control panel, the maximum persons presence allowed into the premises management is possible. The client, depending in his constraints, can set the maximum number of persons allowed.

Features added by the SmartTouch and the SafeFlow solution are the counting but also the countdown. Each person passing the gate, in entry or exit, is treated as an additional person inside the premises or one person less.

The ultimate purpose it serves is to ensure a real-time and effective counting to guarantee that the maximum number of person allowed inside the premises is respected.

#### 4. Interface for the user and the manager

In order to offer the smoothest user experience, the device of the SafeFlow solution offers:

##### Locally:

- A seamlessly integrated 8 inches LCD colour screen.
- For the person using the gate, on the device itself: text message combined with sound and light signaling. Text message as well as voice message can be customized. LED light above the device indicates the request's acceptance (green) or rejection (red), as well as the stand-by mode (white).

- For users waiting in the entrance lobby: HMDI output device (SafeFlow SmartTouch option required) allows connection to any compatible screen of the client to display the number of people still allowed to enter and then indicate, with a stop sign, when full capacity in the premises is reached. Information is given in real time, reflecting entrance-exit of people through the gate(s).

### Remotely, on the supervisors's SafeFlow SmartTouch (optional) control panel:

- Thank to the Ethernet protocole, the skin surface temperature and mask screening alarms are available separately. Alarms related to fraud attempts, real time counting and the maximum number of people still allowed or the status of the STOP signal at the entrance are also available. Ethernet connectivity between the device and the logic board of the gate allows a permanent status detection. In case of failure or vandalism to the camera, it is instantly notified.
- The standard SmartTouch features.

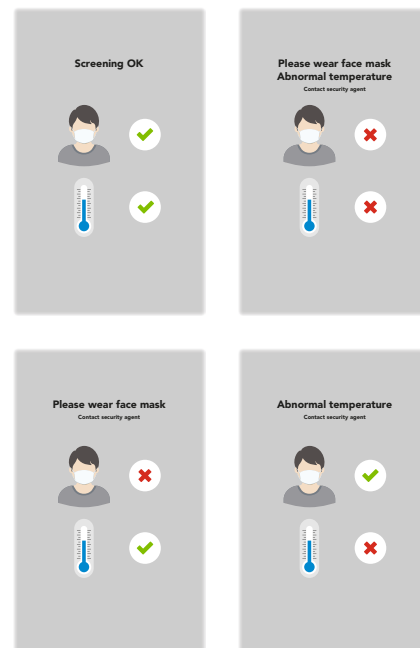
#### 5. Privacy

Data gathered during the screening is not linked to any identification data base and is not stored. Data temporarily utilized are only used to grant access (or deny it), at the time it is taken at the gate.

## STANDARD OPERATION

Once installed, the device is fully automatic, the user faces the access corridor with a SafeFlow.

The system recognises the user's face, checks whether he or she is wearing a mask, takes the temperature measurement and announces:



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