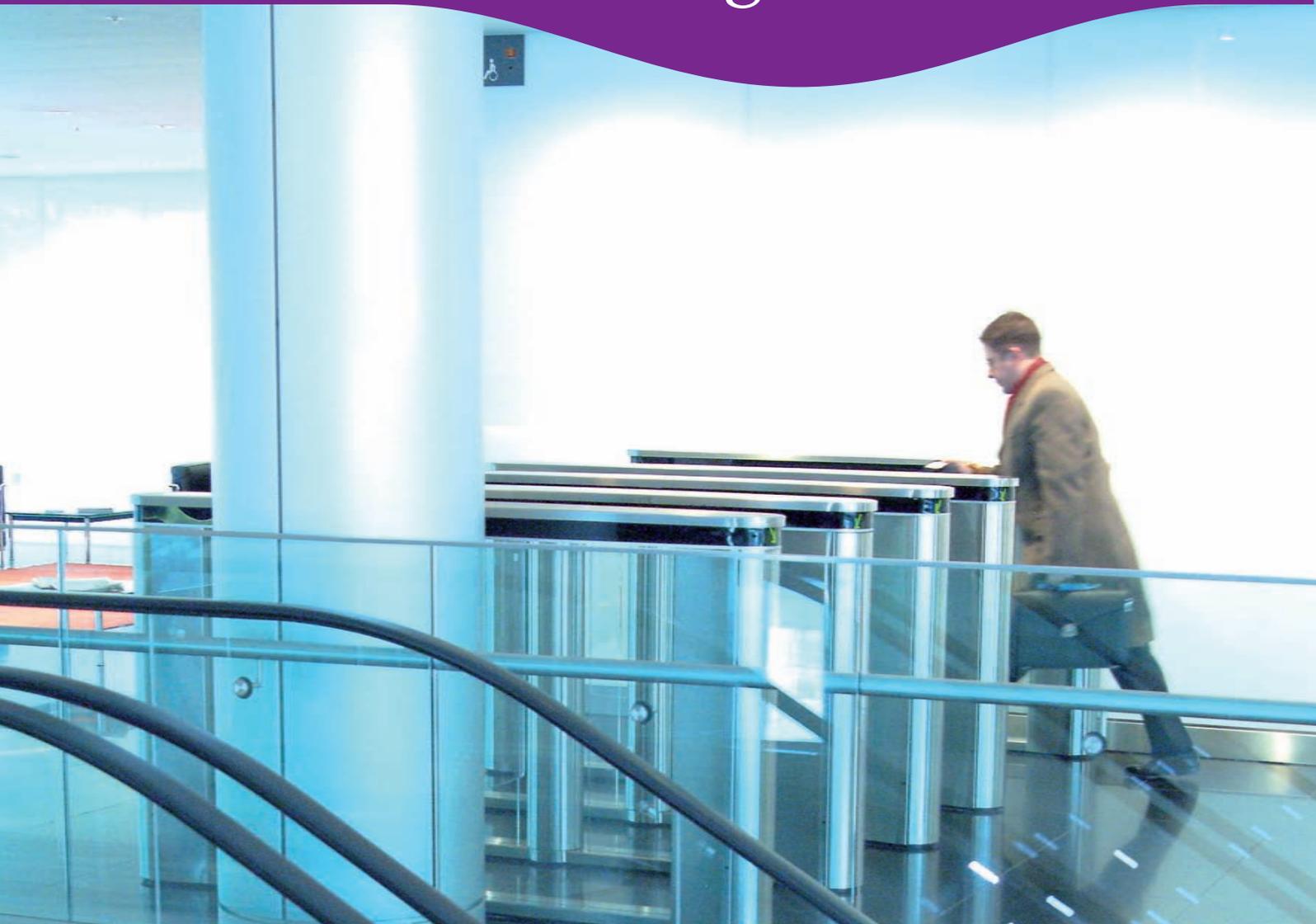


# Swinglane 900



## The swinging door wing security lane

**The Swinglane 900 combines swinging door wings with a long security lane to create a high capacity security barrier that will ensure only authorised visitors can enter your secured area. A long detection lane allows for more accurate tailgating detection while the swinging door wing forms a welcoming entrance. This makes the Swinglane 900 an inviting security barrier in your lobby.**

### **Fast swinging door wing**

The Swinglane is a fully automatic security lane, suited for bi-directional traffic in one direction at a time. It is available with one or two fast swinging door wings. The standard one wing model is ideal for a space efficient multiple lane set-up whereas the two wing model offers disabled access and comfortable passage to people with larger luggage or trolleys.

The Swinglane is equipped with an array of sensors on both sides of the door wing. These sensors accurately detect any tailgating attempts as well as intruders from the opposite side or any attempt to block or sabotage the Swinglane. This makes it a popular solution with corporate, governmental and financial offices.

## Working principle

The operation of Swinglane 900 relies on authorisation from an access control system or external control panel, ensuring that only authorised people can enter your secured area. Two working modes are available to effectuate control. Both allow bi-directional traffic in one direction at a time. A traffic display in the end of the unit shows from which side the Swinglane is open or closed.

### Normally closed working mode

1. In this mode a display on top of the unit changes from a red cross into a green arrow after authorisation is given by an access control system such as a card reader.
2. The user can now step into the lane. Sensors will detect the user and the door wing will open a full 90° away from the user.
3. As the user walks through the Swinglane the sensors will follow their movement.
4. After passing the door wing, it will close immediately, preventing any attempts at tailgating.

The wide Swinglane with two door wings will stay open for at least two seconds and always until the user has passed the door wings.

To allow larger capacity through the Swinglane, up to three authorisations can be memorised. If an authorisation has been given by the access control system and no one passes the door wings, they will reclose after a preset interval.



### Normally open working mode

In the normally open working mode, the door wing is always open and only closes if an unauthorised user steps into the swinglane. Users authorise themselves as in the normally closed working mode, after which the display on the top cover shows a green arrow and the user can walk through the lane. The door wing will remain open after passage.



*‘Sensors will most accurately detect tailgating attempts’*

## Flexible design

### Finish

In order to allow multiple lane set-up even in a narrow corridor the design of the Swinglane units is very slim. The frame is constructed from grain 240 (AISI 304) stainless steel with a 8mm tempered safety glass side panel. The top cover is available in a stainless steel, oak, cherry or beech wood finish. It is hinged and locked to protect the controls and sensors while still allowing easy access for maintenance.

### Options

- Single or multiple lane set-ups
- Adaptations for integration of a proximity card reader
- Pedestal for mounting of external card readers.
- External control panel

## Safety features

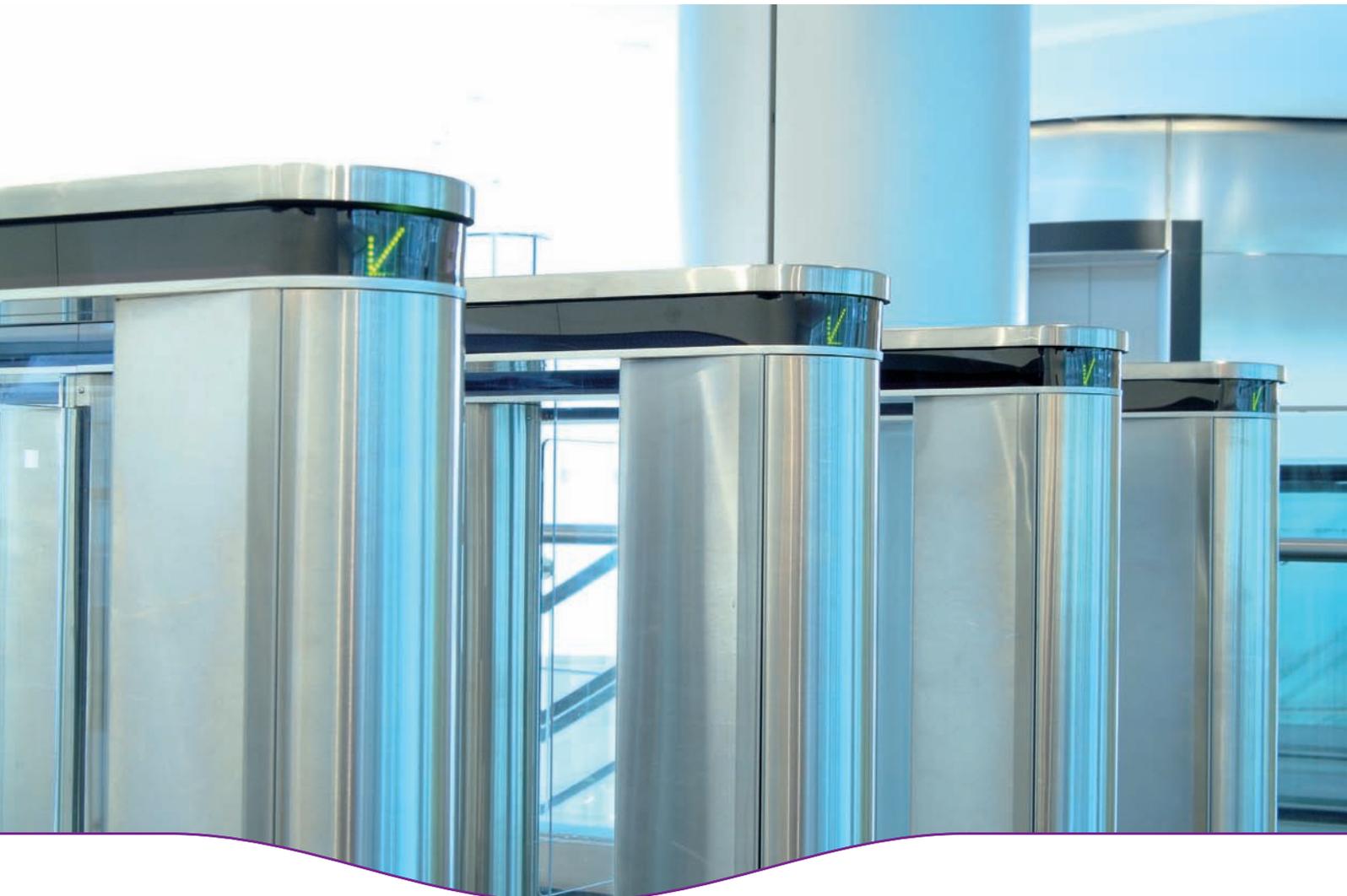
**At Boon Edam, we put safety first. We know that user safety and emergency exit requirements are important when designing your interior. That is why our products are created with these demands in mind. All Boon Edam products are designed to comply with or exceed safety standards and regulations.**

### User safety

The automatic door wings are equipped with a safety system that detects obstructions during their movement. If an obstruction is detected when the door wing is opening, the door will stop its movement and slowly close, preventing the user from being clamped between door wing and unit. The speed of the door wings is adjustable, within the limits of the safety standards. For maintenance reasons, an internal counter is integrated, ensuring timely service and maintenance.

### Emergency

The Swinglane is a fail-safe security barrier. In case of a power failure the lock and motor will disengage allowing the user to manually open the door wing. If a fire alarm system is connected to the Swinglane, the barrier will open outward automatically in an alarm situation.



# Standard dimensions and theoretical capacity

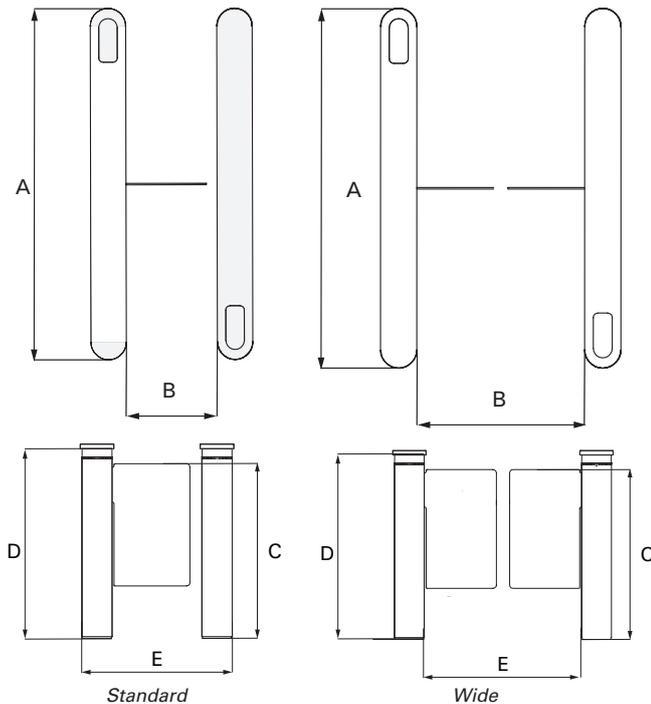
	A Unit length (mm) <sup>1</sup>	B Passage width (mm)	C Door wing height (mm)	D Unit height (mm) <sup>1</sup>	E Overall width (mm) <sup>2</sup>	Capacity / minute <sup>3</sup>
<b>Swinglane 900 Standard</b>	1900	500	1000	1085	890	25 - 30
<b>Swinglane 900 Wide</b>	1900	900	1000	1085	1290	25 - 30

Measurements approximately

<sup>1</sup> Excluding top cover

<sup>2</sup> Installation next to wall, extra space (50mm) needed to hinge open the top cover

<sup>3</sup> Depending on authorisation system, in one direction.



## Technical specifications

Power supply	220-240 VAC, 50/60Hz
Power consumption	
Operational	175 W
Stationary	70 W
Ambient temperature	-10°C to +55°C
Fuse	External power supply fused with 16 A slow
Compatibility	The Swinglane 900 is compatible with most access control systems by using potential free contacts.

*Distributor*

## High quality

At Boon Edam, we take quality seriously; the quality of the materials we use, the quality of our employees as well as the quality of our partners. As with all Boon Edam products, the Swinglane 900 is manufactured to the highest standards, is CE approved and complies with the Machine Directive (2006/42/EC), the EMC directive (2004/108/EC) and the Low Voltage directive (2006/95/EC).

Boon Edam operates a policy of continuous refinement and improvement and therefore reserves the right to modify design and details at any time.

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