Flowslide

The perfect solution to separate passenger flows

Stricter security demands on terminals require improved passenger separation. The Flowslide offers the perfect answer. A high-tech combination of sliding panels and a revolving door provides a complete physical separation between two crossing passenger flows.

Passenger flow separation

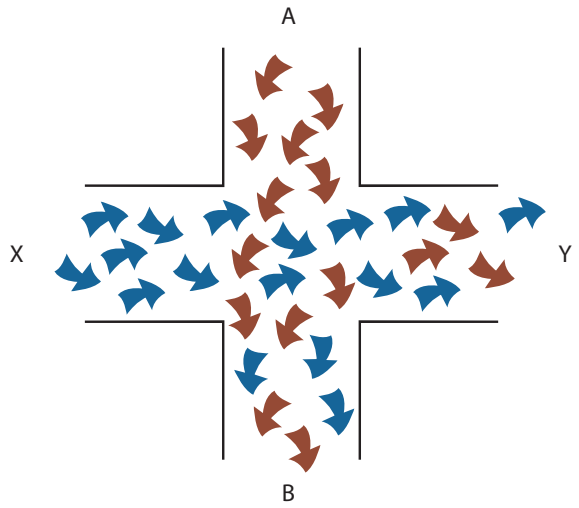
This solution proves that it is possible to reconcile passenger comfort with improved security measures. With the Flowslide, we offer the possibility of effecting the separation of passenger flows within a single storey terminal or using the existing terminal infrastructure without renovating your building.

The Flowslide can be used in all kinds of situations where it is necessary to separate two flows of people, e.g. separation of arriving and departing passengers in airports, seaports and railway terminals.

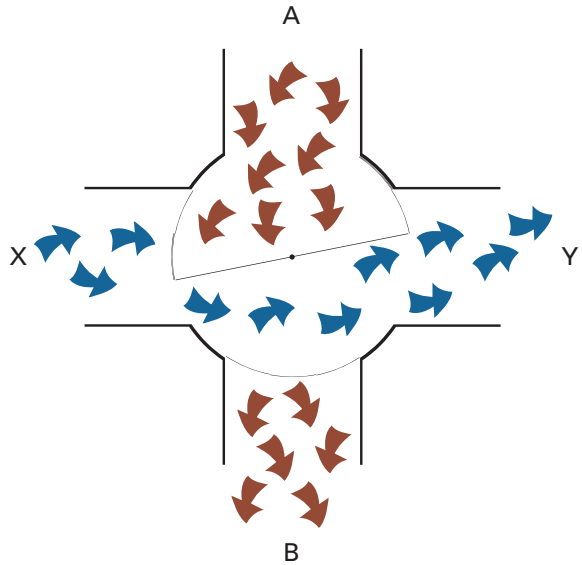
Working Principle

The Flowslide consists of a rigid central door wing and three curved sliding panels, which revolve within the fixed bent wall. The sliding panels alternately open or close the entries or exits of the door. The combination of sliding panels and door wings are software controlled and programmed in such a way that passengers can only walk from point A → B or from point X → Y.

'Passengers only can walk from point A→B or from X→Y'



Problem
A mixture of passengers in one area.



Solution
The Flowslide is separating the passenger flow.

Flexible design

The Flowslide has many options in design and surface finish and can be manufactured to match or complement a wide variety of interiors.

Finish
The frame and door sets can be finished in powder coated or anodised aluminium. Alternatively they can be clad with stainless steel, bronze, brass or other metal sheets.

Construction
The Flowslide incorporates all door mechanisms, sensors and controls in a frame made of slim aluminium profiles. Control boxes, drives and sensors are integrated in the construction as well. The door wings and curved walls are made of laminated glass with slim aluminium sections providing a spacious and transparent feel.

Options
- Bi-directional traffic
- Congestion detection sensor to ensure a smooth, passenger flow optimised capacity
- Traffic signalling with waiting time counter
- Low energy ceiling lighting
- Floor mats

Security features

In addition to the safety sensors, a number of security sensors and locking devices are included. If any of these sensors is activated the door continues to operate normally, but an audible alarm and visual signal (on control panel) will be given to indicate a possible breach of security.

- *Unauthorised use of the Flowslide*
  If one of the door elements is accelerated, slowed down or blocked, a visual and audible signal will be given. If the central door wing and a sliding panel lose synchronisation, the electronic control of the door is programmed to compensate in order to close the gap. If the gap between the different door parts is too large, the visual and audible alarms will go off.
- *Anti pass-through of objects*
  The security sensor is activated when somebody tries to pass an object through the gap between the curved sliding panel and the central door wing or fixed bent wall.
- *Locking of the Flowslide*
  The Flowslide can be locked in several positions. The door is equipped with eight Espagnolet locks; two on each rotating element. The locks on the central door wing are at both ends. The curved sliding panels have locks at the front and back ends of each panel set.
- *Operation of the Flowslide*
  The Flowslide is operated using a control panel with two key switches. Only authorised personnel can operate the key switches.

Safety features

At Boon Edam we put safety first. We know that user safety and emergency exit requirements are important when designing your entrance. 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

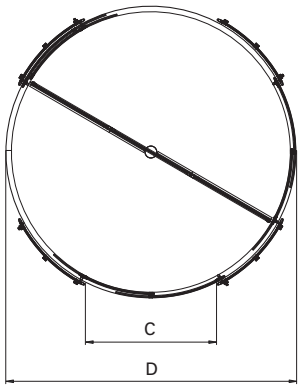
The Flowslide is equipped with an array of standard safety features:

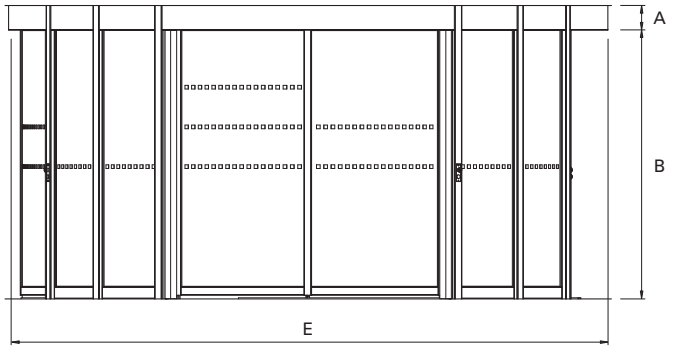
- Compressible safety buffers on the end of the curved walls (SRB)
- Compressible safety buffers on the door wing's leading edges (SRT)
- Compressible safety buffers on the leading face of each door wing's bottom rail (SRD)
- Presence sensors at the edges of each curved wall (EBS)
- Presence sensors on the leading edge of the central door wing slows rotation speed if activated (CSS)
- Low torque drive unit with speed control
- Emergency stop button

Standard dimensions and theoretical capacity

D Diameter (mm)	*A Canopy Height (mm)*	*B Height under canopy (mm)*	*C Throat opening (mm)*	*E Installation width (mm)*	*Capacity/ minute*[1]	*Disabled Access*
4800	500	2200	2165	4940	30	♿

[1]Maximum capacity per minute indicates how many people can pass through the Flowslide in one direction under normal conditions





Technical Specifications

Power supply	200-240 VAC, 50/60 Hz
Power consumption	
Drive units	800 W
Lighting	144 W (Low Energy)
Ambient temperature	-20°C to +50°C
Fuse	External power supply fused with 16 A Slow

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 Flowslide is manufactured to the highest standards, is CE approved and complies with international regulations and guidelines, including but not limited to: the Machine Directive (2006/42/EC), the EMC-directive (2004/108/EC), the Low Voltage directive (2006/95/EC) and European Glass standard EN356.

The Dutch Council of the Chronically Ill and Disabled have approved many of Boon Edam's revolving doors as being accessible for disabled people. When you install the Flowslide in your building, your passage will meet the requirements of the international accessibility symbol (ITS).

Distributer

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