



AUTOMATIC ENTRANCE SPECIALISTS

Flap and Strip
Flexible leaf and strip doors



Automatic industrial doors

CE

Flexible swing leaf and strip doors

Flap: an absolute synthesis of practicality

When swing doors are preferred to solve problems of energy conservation and fast passage, the traditionally versatile systems described below are available:

Aluflap - anodized aluminium doors which associate absolute structural reliability with a pleasant aesthetic appearance which enables them to fit in well in even the most demanding environmental conditions.

Flap - strong and practical galvanized, painted or AISI 304 stainless steel doors, with leaf-opening device available in manual or power-assisted versions

The Flap and Aluflap flexible doors are manufactured using:

- maintenance-free monolithic metal structures with leaves supported by mechanisms mounted on ball bearings, also suitable for heavy use;

- flexible curtains with reinforcements at the points subjected to the greatest stress, available in perfectly transparent or coloured PVC, or in a special anti-abrasive rubber;
- manual, semiautomatic or automatic operating solutions able to fully satisfy all transit requirements.

Strip: an excellent modular system

Modern production units often need to separate the various company departments with low cost solutions which permit easy transit whilst preserving the light in the areas.

Strip doors have been created for these needs. Their extreme flexibility of application enables them to satisfy all types of requirements.

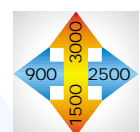
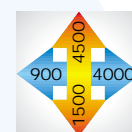
Consequently these systems represent the optimal solution for improving the conditions of the working environment in an absolutely practical and economical way:

- they permit the versatile closure of any sort of opening, even those of large dimensions, preserving a high degree of light in the areas;
- they are available for fixed or sliding use on a straight rail;
- they are equipped with a special Rapid coupling connection for quick fastening and release;
- they lower heat losses during transit because the passage only opens enough to let the vehicle pass;
- they effectively separate areas and protect the environments from the harmful effects of dust, fumes, smoke and noise.



Flap

Aluflap

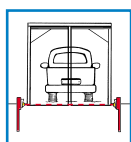


Available in the following dimensions (mm)

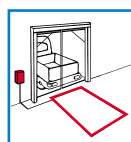
Control and safety systems for Flap Automatic



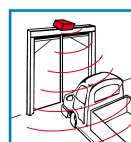
Flashing light



Infrared photocells



Magnetic loop detector



Radar



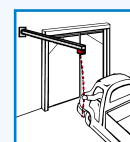
Pocket and push buttons radio transmitters



Electrical and pneumatic push buttons



Chain-operated electrical switches



Traffic lights

Flap

Flexible Flap doors are composed of:

- a strong monolithic metal structure forms the **basic frame** which is suitable for heavy traffic use. It is available in electroplated galvanized steel, painted steel or AISI 304 stainless steel with a fine satinized finish;
- on upper reclosing mechanism with an easily adjustable **torsion spring**;
- an upper anchorage plate and lower case containing ball bearings requiring **absolutely no maintenance**;
- **flexible curtain flaps** made by perfectly transparent, self-extinguishing PVC, or coloured PVC, or "Alaska" PVC for low temperatures, or anti-

abrasive rubber with special reinforcement in the points subjected to the greatest stress.

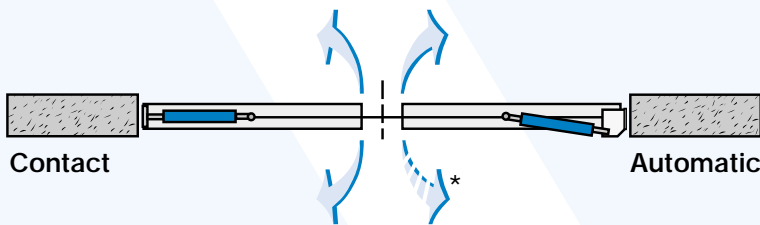
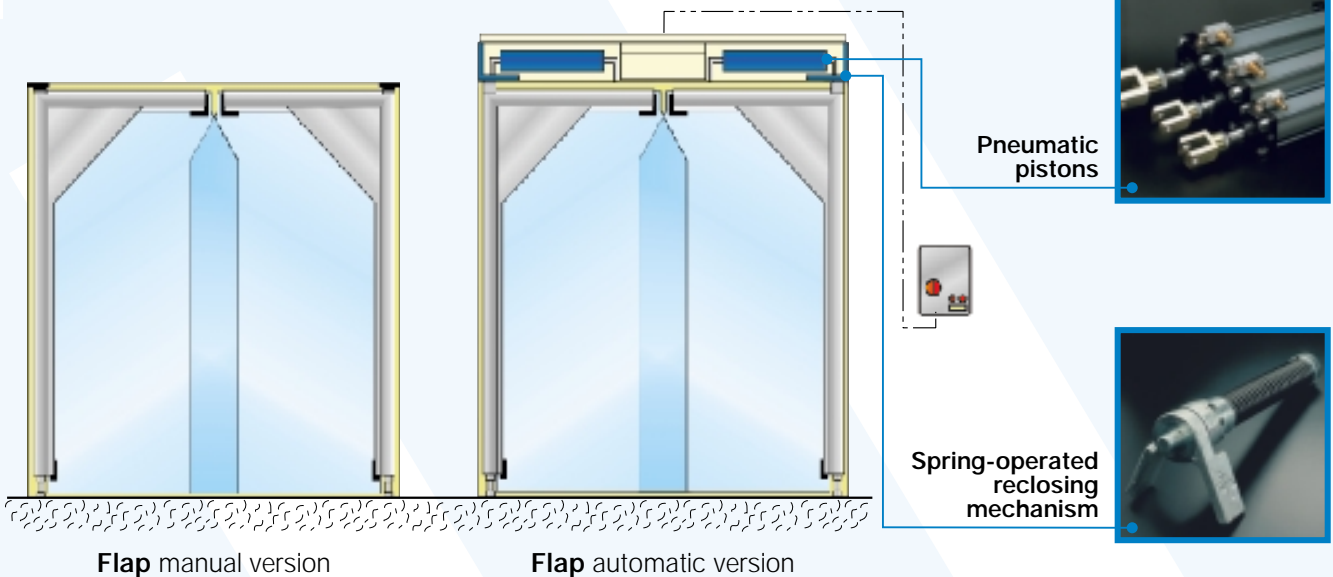
Flap doors are available in the following versions:

- standard, **manual** push-opening;
- semiautomatic "**Contact**", with a pneumatic piston mounted along the top axis of each leaf which opens the door following light pressure on the flaps. The opening movement is bi-directional and pneumatically operated, whilst closure is automatic and spring-operated;

- "**Automatic**", with a pair of pneumatic pistons mounted in a pushing position in respect to the opening direction.

Following a remote command (radar, etc.) the pistons activate the door leaves in a single direction; closure is then performed by the spring.

A special version **with exclusively pneumatic opening and reclosing**, and control panel with pneumatic logic, is also available for use in environments with a high risk of explosions or subjected to strong ventilation.



*The leaf can be opened manually in the opposite direction as well

Transparent or coloured PVC or antiabrasive rubber curtain flaps

Aluflap

The very elegant Aluflap doors are structurally similar to the Flap doors, except for having a silver **anodized aluminium support profile** without any visible nuts and bolts, with the curtain inserted by suspension and the possibility of installing **sealing brushes** around the edges.



Structure made from anodized aluminium



Strip

Strip curtains are composed of:

- **PVC strips** with rounded edges which, when properly applied and overlapped, ensure a **high degree of thermal and acoustic insulation**. They also possess **antiputrefaction** characteristics which make them highly suited to applications in the food sector;
- on upper **Rapid connection** made by modular electroplated galvanized steel or AISI 304 stainless steel sec-

tion bar, which enables the easy assembly and disassembly of the strips themselves. This solution permits the composition to be varied easily according to requirements, and **to be tied up to one side during any period of inactivity**;

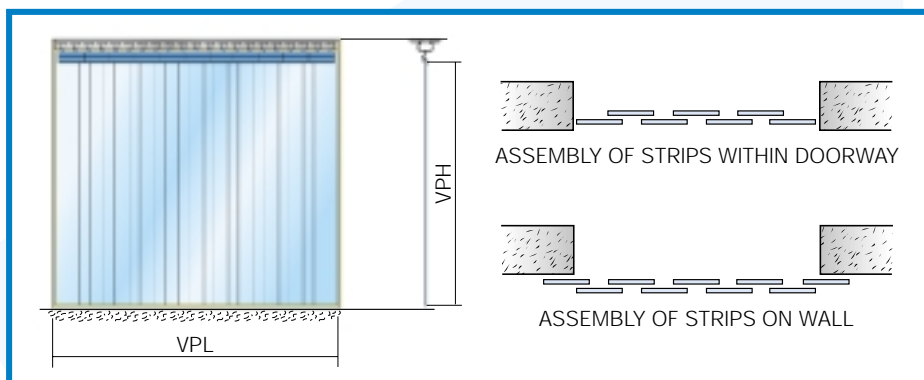
- electroplated galvanized or stainless steel **comb-type swaying jaws** for suspending the strips, which allow swaying during passage, thus

avoiding any damage to the PVC at the anchorage points;

- the door may be installed in a **fixed or sliding version** on a carriage, in order to allow the easy and rapid lateral transfer of the entire door.

Strip: assembly kit

In order to enable easy on-the-spot construction, Strip doors are also available in kit form which enables the various components to be purchased separately: Rapid connections, supports, carriages, guide-tracks, jaws for strips, PVC strips and all the parts required for assembly.



Models of strips available

- highly transparent version
- "Alaska" PVC for very low temperatures
- grey-coloured PVC
- UV ray-resistant bronze-coloured screening version, for welding stations



Electroplated galvanized steel Rapid connection and suspended strips with comb-type oscillating jaws.

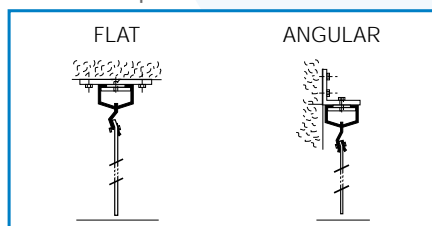


Electroplated galvanized steel Rapid connection with carriages and sliding guide-track.

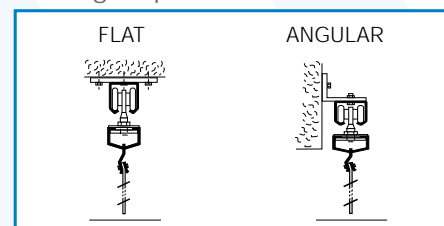
Standard versions available:

- 200x2 mm to surmount 50-100
- 300x3 mm to surmount 50-100-150
- 400x3 mm to surm. 50-100-150-200
- 400x4 mm to surm. 50-100-150-200

FIXED Rapid connections



Sliding Rapid connections



Regulations

DITEC automatic systems possess the EC mark and are designed and manufactured in compliance with the safety requirements of the Machines Directive (89/392/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC). DITEC S.p.A. reserve the right to make modifications aimed at improving the products.

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