



## **Ditec Alimax**

Rapid door  
for the food sector

EN

# INNOVATIVE

**Ditec Alimax** is the most advanced evolution of the rapid door created to meet the specifications and strict cleanliness requirements for applications in the food industry. The doors in this sector must be easy to clean and disinfect, they must not be affected by humidity and detergents and they must prevent dirt from collecting.



# Main features

Compact and versatile with state-of-the-art technology, **Ditec Alimax** is ideal when hygiene and practicality are the most important prerogatives.

In addition to applications in the food sector such as processing meat, fish, dairy and confectionery products, fruit and pasta, the new Ditec product can be used in warehouses, supermarkets and car washes.

Ditec Alimax reduces drafts, loss of heat, noise pollution and dust.

The fast opening (up to 1.5 m/s) and closing speeds and its compact size make it possible to optimise the flow of people, trolleys and vehicles.

It has a self-repairing system capable of automatically resetting the door after being bumped accidentally which might cause the curtain to slip out of the side tracks: a simple opening and closing manoeuvre is all that is needed, automatically.

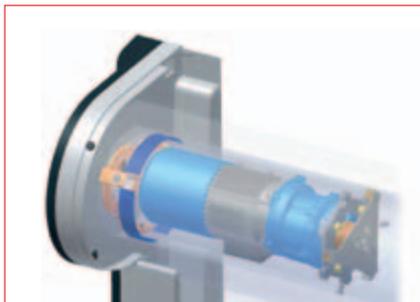
The self-repairing system and the innovative safety rib keep the curtain and merchandise intact during transit, cancelling down times and the inconveniences due to the maintenance operations necessary if the curtain is damaged.

Ditec Alimax is available in two versions, Basic and Top.



## Maximum cleanliness

- Structure in completely washable **composite material**, easy to clean and water repellent, which reduces the visibility of the drying spots
- Smooth exterior surface with **shiny finish** which prevents dust build-up
- Curtain features specialised upper sealing system
- **Draining structure** with precision joints which avoids contaminating agents from collecting
- Polyester tear-resistant **flexible curtain** resistant to **pressure washing**



## Compactness

- **Motor built into** the roll-up shaft which allows the available light space to be used to the maximum
- **Extremely compact load-bearing structure**, for optimal management of the passage area
- **Smaller surfaces** exposed to the build up of dirt



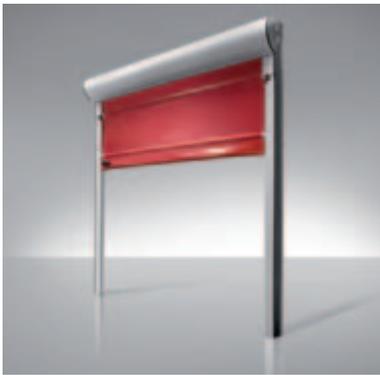
## High security

- **Flexible curtain passable** in both directions
- **Shockproof safety edge with wireless system**: innovative active safety system, with a complete shockproof edge covered in polyester in the same colour as the curtain, to protect people and vehicles in case of accidental contact. Wireless transmission system in IP65 container
- **Special joints and fasteners** with secure, captive connections
- **IP67 safety photocells built into the vertical frames** (Top version) system of optical sensors which stop the closing motion of the door should vehicles or people be detected. Ensures greater safety and less risk of damage to the door
- Emergency **reopening device** which can be activated with the manual operation rod installed to be used in case of lack of power (optional)



#### Maximum resistance

- **Structure in composite material** in grey similar to RAL 7035 composed of a thermosetting polyester resin with longitudinal reinforcement in fibreglass and diagonal reinforcement in fibreglass fabric: good elasticity against impact (6 times greater than stainless steel) and repairable following accidental, minor contact
- Special flexible curtain made of non-tear 900 g/m<sup>2</sup>, 0.7 mm thick polyester complete with **wear-resistant bearings and side guards** in grey which guarantee greater sturdiness, resistance to wear and quiet roll-up
- **Sturdy** and tireless **motor**, for continuous use, tests up to 1,000,000 cycles. Self-ventilated



#### Quick installation

- Handling of the structure facilitated by the **lightness of the composite material**
- **Pre-assembled tubular motor**, as guarantee of a quick, easy installation
- **Programmable control panel**, complete with absolute encoder position control which facilitates the setting of the open-close position
- Structure with **precision joint assembly** and **fasteners which cannot be lost**
- Speed and functionality thanks to the **pre-wiring**
- **Wireless safety edge**; signal transmission without spiral cable
- High level of **pre-assembly** of the integrated safety photocells



#### So much as standard

- **Maximum adjustment of the speed and acceleration** with *INVERTERmotion*: the configuration of the door is adaptable to any type of requirement of the end user of the food industry
- **Electronic control panel every function of which is easy to program** which permits the direct adjustment of the limit stop: it has a display for easy setting, diagnostics, etc. Level of protection IP54. Operating temperature - 10°C ÷ + 50°C

#### With Top version

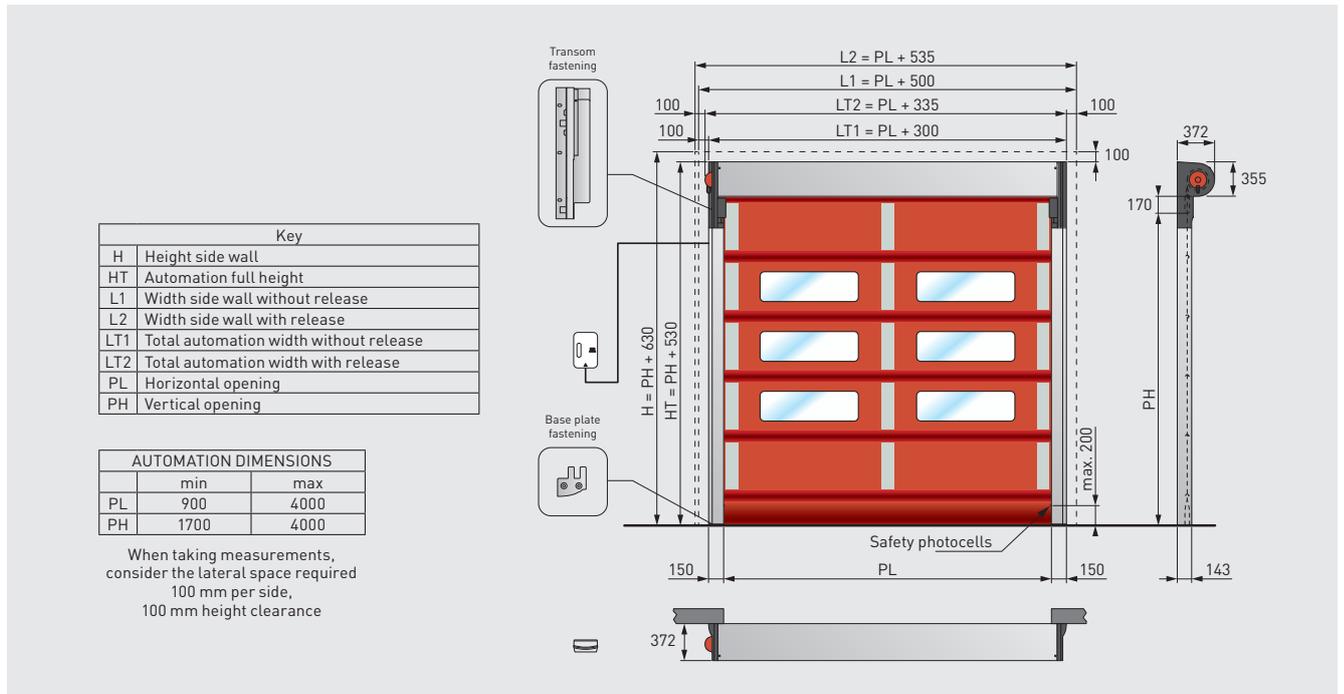
- **Safety edge self-testing**, in conformity with the European Directives, provided in the same colour as the curtain, with wireless transmission system of the signal
- Standard pair of **safety photocells** at a height of 200 mm



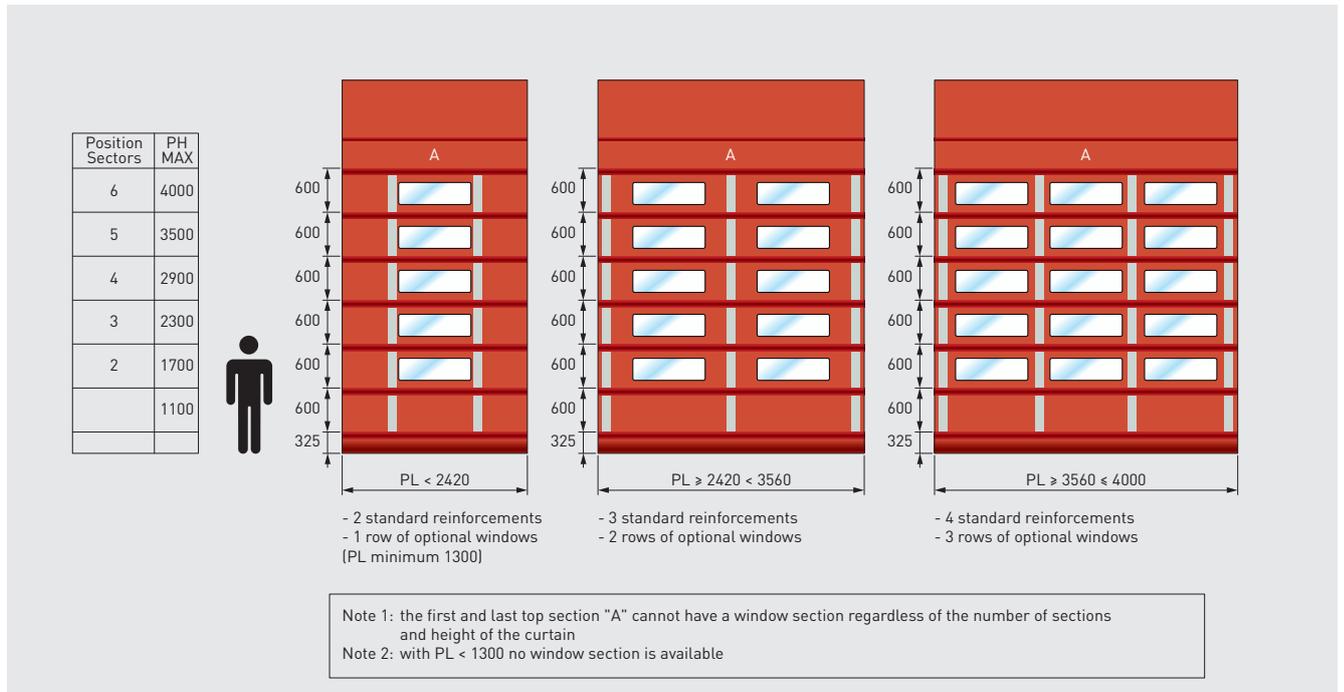
#### And many accessories

- **Column cover package** with side protections in colour similar to RAL 7026
- Transparent PVC windows 980 x 300 mm
- **Curtain of heavier polyester** 1,200 g/m<sup>2</sup> - 1.0 mm thick Class 2 self-extinguishing, in blue and grey
- Specialised **white food curtain**; 680 g/m<sup>2</sup>, 0.55 mm thick, with wear-resistant bearings made in the same colour, FDA (Food and Drug Administration) certified and in conformity with EC directives
- Complete line of **command and control accessories**

## Dimensional specifications



## Flexible curtain features (maximum values)



## Curtains - Colours standard (see availability depending on the type of flexible curtain)



\*Note: the colours Blue and Grey are also available for the heavier curtain (1,200 g/m<sup>2</sup>)

When building the system, only use Ditec accessories and safety devices.  
Every Ditec automation features CE marking and is designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.  
The Company reserves the right to make changes which may improve the products.  
For this reason, the technical details featured in this catalogue are not binding.  
The pictures shown in this leaflet were taken with the consent of those concerned or in public locations.  
Further information can be found in the Technical Manuals available at the website: [www.ditecentrematic.com](http://www.ditecentrematic.com)

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