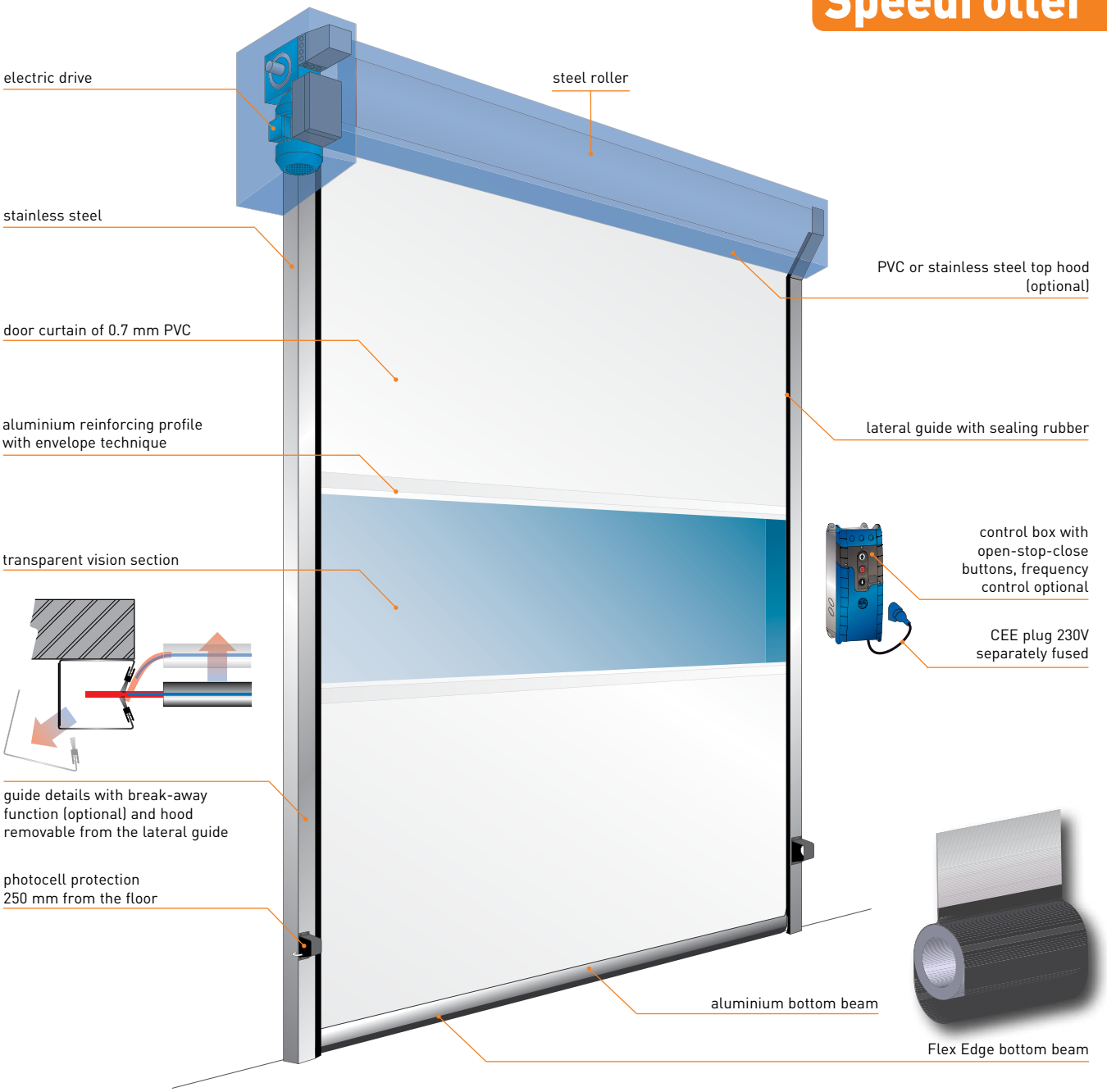
Speedroller



alpha deuren international

ECONOMIC | Food

When hygiene is important

Properties

- max. surface area (WxH) = 9 m^2
- max. W x H = 3000 x 3500 mm
- wind resistance class 0, wind resistant to 3 Beaufort (12 - 19 km/h)
- opening speed approx. 1.5 m/s
- closing speed 0.5 m/s
- 0.7 mm thick door curtain in blue (standard), grey, orange, black, white, red or yellow, including a transparent vision section
- suitable for smaller interior openings, low wind load and light use

Speedroller **ECONOMIC** | **Food**

The Economic|Food is an electrically operated rapid roll door that combines good quality with excellent value for money. Applications are in industry and public utilities with interior openings. Functionality includes energy saving, draught exclusion and climate control.

Dimensions	
max. width	3000 mm
max. height	3500 mm
max. surface area	9 m²
max. wind force - up to 3x3 m. Class 1	3Bft (12-19 km/h)
required lateral space at the guides	160 mm
required lateral space at slip on drive*	290 mm
required lateral space at drive for fitting	min. 550
lateral space at side guide profiles	110 mm
space above	475 mm

Components and construction
The Economic|Food speedroller is a door without balance springs, consisting of an electrically driven door curtain rolled up on a roller above the opening. The door curtain is made of horizontal sections of polyester-reinforced PVC. The sections are fitted with aluminium 'sealed-in' reinforcement profiles. The door curtain has a transparent PVC vision section between approx. 1000 and 2000 mm from the floor. On the underside of the door curtain there is an aluminium bottom beam with rubber sealing profile. A U-shaped profile with rubber seals ensures lateral guidance of the door curtain. The lateral guides are one unit combined with the bearing plates for secure fastening to the roller and drive.

Materials
The lateral guide is made of two stainless steel profiles with sealing rubber. These are removable for fast and simple installation and maintenance. The horizontal roller is specially treated steel. The bottom beam is aluminium. The door curtain is a 0.7 mm thick PVC with a polyester reinforcement inlay with vision section.

Colour
The door curtain is available in the colours blue, red, grey, orange, yellow, black or white and provided as standard with a vision section.

Drive
The drive consists of an electric motor with reduction unit. The roller is directly driven. Drive side available left or right (standard). There are three available drives:

Technical details electric motor
- mains voltage **without** frequency control.... 3x230V, PE/50Hz/16A
- mains voltage **without** frequency control.3x400V N, PE/50Hz/16A
- mains voltage **with** frequency control .....1x230V N, PE/50Hz/16A
  degree of protection IP65
  consumed power ..... max. 1,5 kW

Protection
- the door can be manually opened in the case of a power loss
- bottom beam with 'anti-crash' function (without emergency stop)
- safety photocell at 250 mm off the floor

Performance	
control box **with** frequency control:	
max. opening speed	1,5 m/s
max. closing speed	0,5 m/s
control box **without** frequency control:	
max. opening speed	1 m/s
max. closing speed	1 m/s

Structural provisions and connection
- in normal circumstances no special structural provisions are required for the assembly and fitting of a Economic Speedroller
- within a radius of 500 mm of where the control unit **without** frequencycontrol will be positioned there must be a wall socket:
  - CEE-form blue, 3 x 230V fused, PE, 50Hz/16A **or**
  - CEE-form red, 3 x 400V fused, N, PE, 50Hz/16A
- within a radius of 500 mm of where the control unit **with** frequency-control will be positioned there must be a wall socket:
  - CEE-form blue, 1 x 230V fused, slow operation 16 A
    fitted with a circuit-breaker of at least 300 mA
- the control box usualy is fitted on the drive side, at a height of approx. 1500 mm from the floor

Control and operation
The control unit has 3 buttons (open-stop-close) and a CEE plug, and regulates a multitude of functions such as:
- adjustable open time
- service and run mode
- 7-segment display for control of the various functions
- permanently open or permanently shut

Additional controls that can be connected to the control box are:
- push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or radio control.
  Other forms of operation on request

Available control unit:	TS971

Extras [1]

Control and operation
- additional controls as described above
- frequency control with variable speed for opening and closing
- door interlock control in combination with another door

Protection
- light curtain
- connection of traffic lights (red/green or red and green)
- 'Flex Edge' bottom beam
- complete electrical system in IP65

Construction
- PVC or stainless steel hood over the roller
- PVC or stainless steel hood over the drive
- PVC or stainless steel hood over the roller and drive
- PVC hood in customer-specified RAL colour

[1] at additional cost

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