



---

RAPID DOOR

# VertiGO **DOUBLE**

Rapid fold-up door with double PVC curtain

---



# What is it?

High-performance energy-efficient double-panel rapid fold-up door, ideal for medium to large openings where high wind load resistance is required.

Speed › Opening and closing 0.3 m/sec  
Wind resistance › Class 2–4



# Main features

## **A movable "wall"**

Thanks to its special structure, with two extra-strong polyester panels reinforced by horizontal steel beams, it provides excellent thermal and acoustic insulation and high structural strength.

## **Guided Truss Structure**

The door curtain is composed of horizontal trusses guided by sliding rails installed on the vertical door posts, ensuring minimal oscillation during operation.

# High firmness for great structural immovability.

The door curtain is composed of flat horizontal trusses connected to the sliding rails via steel bearings. This system limits deformation even under high wind pressure. The only permitted movement is vertical, for opening and closing the door.



Features

**Great structural stability**  
**Trellis-worked structure**  
**Modular curtain**  
**Thermal resistance**  
**Protection against fumes**  
**Sound insulation**

---

Used mainly to

**Composting**  
**Biocell**  
**Chemical industry**  
**Transformation**

Recommended  
for

**Small hangar**  
**Naval garages**  
**Industrial garages**

[Discover other fields](#) ↗



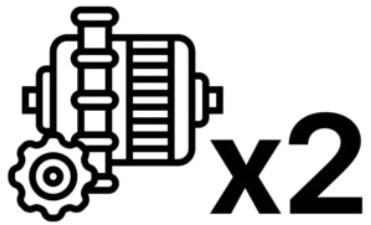
# So, who's it meant for?

The Double fold-up doors are mainly used in the composting and biocell sector, where the use of double-tarpaulin quick doors proves to be the winning choice to stop the leakage of bad odours and/or fumes harmful to health. Therefore, to protect the surrounding environment and its personnel from miasmas and the exhalation of harmful particles, it is necessary to install flexible locking systems with a specific design of locking air chamber.

To protect the surrounding environment and personnel from miasmas and the emission of harmful particles, it is therefore necessary to install flexible closure systems with a specifically designed airlock chamber.

## +Balanced

The curtain, composed of two panels connected via a metal framework, is lifted vertically in a uniform manner thanks to integrated gear motors and high-strength belts (simulating the movement of two motors), ensuring smooth and consistent operation.



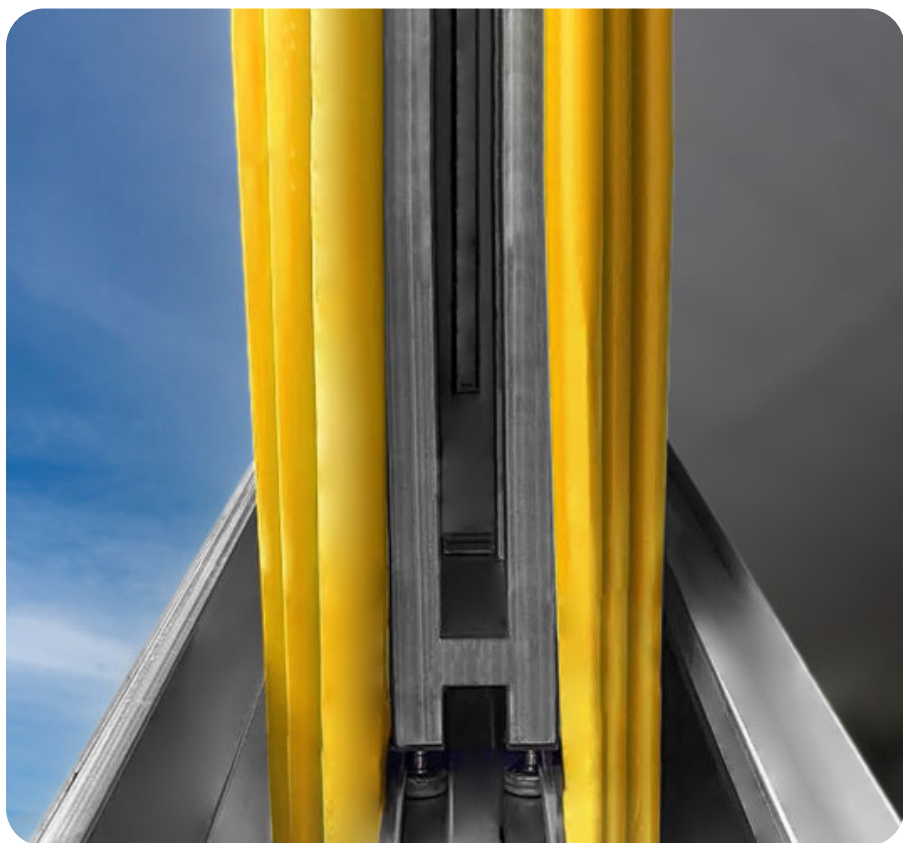
## +Durable

While incorporating more motors would increase costs, we prioritized a design that minimizes torsional strains on the moving shaft, ensuring a future-proof structure.

## +Safety

The internal positioning of the structure shields the lifting belts from external damage, while two additional safety belts with a capacity of up to 1.5 tons are located within the enclosure for enhanced protection.

What a  
smell! Lucky  
there is  
**DOUBLE**



$12\text{m}^3/(\text{m}^2\text{h})$

# Protection from miasmas

This double fold-up door effectively compartmentalizes environments with varying pressures, leveraging the air chamber created between its two surface sheets. Its airtightness meets Class 3 standards in the EN 12426 test.

# Trellis-worked structure

VertiGO Double rapid fold-up doors are designed with a special stacked truss system that slides and is hinged to the posts using ball bearings and sliding guides

\* the multiple application of the flat pylons, by means of the lifting ropes inside the mantle, allow the operation of the door in an overlapping way.



0,03782 W·m<sup>-1</sup>·k<sup>-1</sup>

## **Thermal conductivity cloth**

Under standard operating conditions of -10° C to +70°C, the double fold-up door stackable effectively mitigates both partial steam pressure and steam saturation.



Fino a -18dbA

## **Sound insulation**

Thanks to the air chamber, frequency and reverberation are reduced.

\* indicative value based on internal tests under standard conditions.



## STRUCTURE AND SIZING

Structure	Standard Galvanized steel  On request Optional RAL painting, stainless steel AISI 304 or 316
-----------	--

Clear opening dimensions	Width up to 30 m, height variable depending on the project.
--------------------------	---

## COVERING

2x double-sided PVC ripstop fabric	Standard Double curtain with internal horizontal trusses High-strength lifting straps Extra-strong polyester fabric 950 g/m <sup>2</sup> UV resistance > Yes Mold resistant > Yes Light transmittance according to ISO 13468 > 5%  On request Curtain with fire reaction classification BS2d0 according to EN 13501-1 Custom windows Custom logo
------------------------------------	---

## SPEED

Opening > up to 0,3 m/s	Closing > Up to 0,3 m/s
-------------------------	-------------------------

## MECHANICAL AND ELECTRONIC

Motor	Standard Power supply 400 V AC, power up to 4 kW Integrated geared motor with absolute encoder Pre-wired with connectors Operating temperature -5 °C to +60 °C, down to -30 °C with heater controlled by sensors IP54  On request Anti-corrosion treatment
-------	--

Control panel control and programming	Power supply 400 V AC for drives up to 4 kW Push-button panel: open/stop/close Pre-wired with connectors Programmable inputs and outputs Inputs certified according to EN ISO 13849-1 and EN 62061 4 operating modes Expansion and auxiliary boards with 6 programmable inputs / 6 programmable outputs Alphanumeric display with door status / signal codes / error codes Available enclosures: plastic IP54, plastic IP65 with disconnect switch and DIN rail, metal Operating temperature -20 °C to +50 °C
--	--

## TEST

Standard UNI EN13241-1
Wind load resistance EN12424, EN12444 – from Class 2 to Class 4
Mechanical aspects EN 12604, EN 12605 – Compliant
Cycles EN 12604, EN 12605 – 1,000,000 cycles

## [...] SAFETY

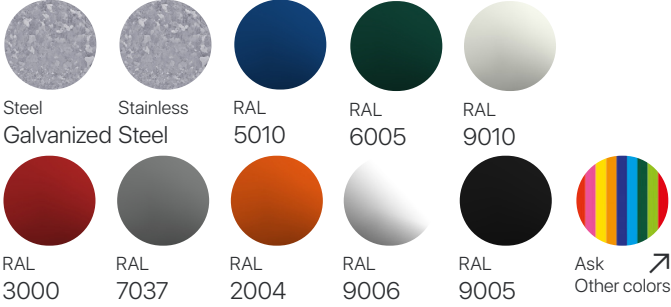
Components

Programmable visual/acoustic signals from the control panel  
Emergency stop via external button or panel input

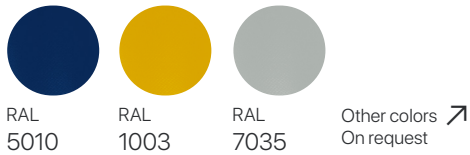
Emergency opening

Not provided

### Types and colors structure (RAL)



### Colors PVC fabric (RAL)



A graphic for account login. It features a stylized 'G' logo with an arrow, the word 'Account' in large bold letters, and a line drawing of a worker with a tool. The graphic is overlaid on a technical drawing of a door with dimensions: 'Clear opening' (vertical), 'Clear opening' (vertical), 'Clear opening' (vertical), '200' (horizontal), '400' (horizontal), '400' (horizontal), '400' (vertical), and 'Total size' (horizontal).

**Account**

Log in to your account  
to download the .dwg



Be a part of us

# Account

Remember that on our portal you can always take advantage of a number of useful features for your future logistics purchases.

[www.glgdoors.com](http://www.glgdoors.com)

