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RAPID DOOR

**ZipGO** **ATEX**

**ATEX industrial door**

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# What is it?

The ATEX High Speed Doors (atmosphères explosives) has been designed to help all those companies that need to operate in environments that present a high risk of explosion or explosion, coming from objects close to each other or that could come into contact with the door.

Component > IP65 e IP67

Air permeability > Class 4



# Main features

## Compliant

EN 60079 – X standards cover a number of aspects related to potentially explosive atmospheres. These standards, which are also the basis of EU Directive 2014/34 (ATEX), describe the types of explosion protection for electrical equipment, as well as the assessment or classification of hazardous areas in an installation.

Therefore, on the basis of these regulations we have developed an ad hoc door.

## Hermetic

The special structure and explosion-proof components is able to operate in constant harmony with the surrounding environment, always providing the highest degree of tightness and protection from possible triggering agents.

# Explosion-proof

Fold-up rapid door dedicated to environments that have physical characteristics of potential deflagration or explosion.

ZipGO ATEX is a rapid door designed to meet the needs of particular sectors where high operational transit is required in conditions with a high risk of detonation.



Rapid door tested even in mining environments, where there is a strong presence of dust or gas.



Features

**Structure AISI 316L**  
**Explosion-proof fabric**  
**Hermetic (gas and dust)**  
**ATEX components**

Used mainly to

**Chemical industry**  
**Experimental laboratories**  
**Mining**

Recommended  
for

**Refineries**  
**Cosmetics industry**  
**Energy industry**

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# So, who's it meant for?

ZipGO ATEX is designed to optimize the logistics of all those industries that need to isolate the environment operating in unstable conditions, minimizing the risk of accidents.

Therefore, it remains a highly specific product for product sectors that require the use of equipment suitable for potentially explosive atmospheres due to flammable materials or dangerous reagents. Chemical companies or those who work in the refining of products by means of solvents are the activities that can find in this our door a real solution that meets all the legal requirements.

# Compliant but not only. Always customized.

We develop ATEX projects in a very serious way, looking at both the mandatory legislation by law and the real risk of triggering that the company must know how to limit and/ or not expand.

II 3 G Ex db eb h ia mc IIC T4 Gc  
II 3 D Ex h ia mc tb IIIB T135°C Dc  
CE 0029 APRAGAZ 20ATEX0205 X  
T environment -10°C up to 45°C

## Only AISI 316L.

At the regulatory level we know that it is possible to develop products both in galvanized steel and stainless steel in order to preserve or not to feed the trigger between the components coming out of the structure with the chemicals treated by the company.

# **ATEX engine, variator and encoder**

Just like the basic ZipGO version, the ATEX also provides a high-tech engine with German efficiency with the only difference that remains tested and certified for the ATEX standard.

## **Treatment of electropolishing**

Thanks to a special finishing process, carried out on the AISI 316L stainless steel structure, we are able to guarantee greater protection against electrostatic charge in potentially explosive atmospheres.

## **Side profiles and airtight cross-section housing**

We have developed the structural part with special folding points that help to increase the seal value of the door against the wind, up to class 4. By means of a special reinforcement on the guides we can guarantee a sealing on the division of potentially dangerous environments\*.

\* "dangerous" means any environment where a potential explosion from gas or dust may develop.

## **IP65 and IP67 sealed components**

At the design stage we decided to provide all the components of this specific industrial rapid door with very low penetration levels, such as: IP65 or IP67, all, in order to avoid as much as possible the entry by foreign components that, stagnating, could lead to a mould or corrosion and, therefore, to a possible formation of a bearing deflagration reagent.

A photograph of an industrial facility, likely a water treatment plant. The scene is dominated by a long, narrow aisle. On the right side, there are several large, white, cylindrical storage tanks. In front of these tanks, there are bright orange metal safety railings and ladders that spiral upwards. The ceiling is high and filled with a complex network of pipes, conduits, and structural beams. On the left wall, there are yellow signs with black text, including the letters 'C' and 'OS'. The overall lighting is somewhat dim, with the orange railings providing a strong contrast.

# What's the big deal?

Ask our R&D department to carry out a free inspection at your site in order to evaluate all the characteristics of the same and to study ad hoc a truly performing solution for your real needs.



## Accessories and integrations



Painted steel electrical panel for ATEX environments



Button type "open" painted steel for ATEX environments



Debimeter for regular air flow control



Find out more [↗](#)

## STRUCTURE

Sizing	Width 5500 mm x Height 5500 mm
Beam and uprights	Not self-supporting stainless steel AISI 316L
Motor cover	AISI 316L stainless steel
Sliding	Patented system of guides in high density self-lubricating polyene and sliding hinge directly on the cloth

## COVERING

Bispalmate PVC woven cloth	Antistatic with a weight of 1200 gr/m <sup>2</sup>
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## SPEED

Opening > equal to or greater than 2,5 m/s	Closing > 0,5 m/s
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## MECHANICAL AND ELECTRONIC

Control panel	Standard IP54 painted steel frame (300 x 500 x 150 mm) On request Acciaio INOX, frame in PVC IP65 (300 x 400 x 150 mm)
Components and features	50/60 Hz inverter with absolute encoder Start/stop button 2 clean contacts (door open/closed/alarm) Interconnection 2 doors automatic/ manual Motor and switchgear protection category IP54
Main supply	Standard Power supply 3 CV, 400V max 10A On request Power supply 1 CV, 230V max 16A Power supply 3 CV, 230V max 16A
Wiring	Plug and Play IP65 system

## TEST

Standard UNI EN 13241/CE

Watertight	Ref.s EN 12425, EN 12489	Class 3
Wind pressure	Ref.s EN 12424, EN 12444	Class 4
Air tightness	Ref.s EN 12426, EN 12427	Class 1
Transmittance	Ref. EN 12428	6,02 W/m <sup>2</sup> K
Performance	Ref.s EN 12604, EN 12605	1.000.000 of cycles

Values may vary based on door sizing [...]





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