



RAPID DOOR

ZipGO **ATEX**

ATEX industrial door



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



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 complex network of pipes, metal beams, and overhead conduits. A prominent feature is a series of bright orange metal walkways or ladders that spiral upwards, providing access to higher levels of the equipment. To the right, several large, white cylindrical storage tanks are visible, each with orange bands around them. The lighting is somewhat dim, creating a sense of depth and scale. The overall atmosphere is one of a busy, functional industrial environment.

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 [↗](#)

QUESTION

1. The following information is available for the year ended 31/12/2019:	
Revenue	1000
Cost of sales	400
Operating expenses	150
Finance income	20
Finance expense	10
Income tax expense	30

REQUIRED

(a) Prepare the Profit and Loss Statement for the year ended 31/12/2019.	
(b) Calculate the gross profit margin and the operating profit margin.	
(c) Calculate the net profit margin.	
(d) Calculate the contribution margin.	
(e) Calculate the break-even point in units.	

ANSWER

(a) Profit and Loss Statement for the year ended 31/12/2019

Revenue	1000	
Cost of sales	(400)	
Gross profit	600	
Operating expenses	(150)	
Operating profit	450	
Finance income	20	
Finance expense	(10)	
Profit before tax	460	
Income tax expense	(30)	
Net profit	430	

(b)

Revenue	1000	
Cost of sales	(400)	
Gross profit	600	
Operating expenses	(150)	
Operating profit	450	
Finance income	20	
Finance expense	(10)	
Profit before tax	460	
Income tax expense	(30)	
Net profit	430	

(c) Net profit margin = Net profit / Revenue = 430 / 1000 = 43%



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