FIRE DOORS

VALPORTAS®

The Valportas Fire Door with manual and automatic opening has been specially designed for use in buildings where, due to their architecture, work activity or stored material, there is a risk of fire. The main function is to prevent its spread by compartmentalizing spaces and acting as a fire barrier.The Valportas Fire Door is manufactured with top quality materials, in compliance with current safety standards, and with a fire resistance of 30, 60, 90 and 120 minutes.

Single leaf door and double leaf door
with single and double panic bars

One leaf door with keyboard/RDIF
and self-opening pedestrian kit
with emergency connection

Industrial sliding door with electromagnet
closing system and counterweight

Vertical climbing guillotine door with
electromagnet closing system
and counterweight

Two leaves door

One leaf door

We give the door the finish you need!

Two leaves door

One leaf door

FIRE DOOR EI $_2$60 C5

These doors are specially designed to be used in areas where there are risks of fire, with the function of preventing the spread of fire, compartmentalizing spaces and acting as a fire barrier.

As for fire resistance, there are doors of 30, 60, 90 and 120 minutes.

Valportas fire doors are manufactured with the best quality, complying with current safety regulations.

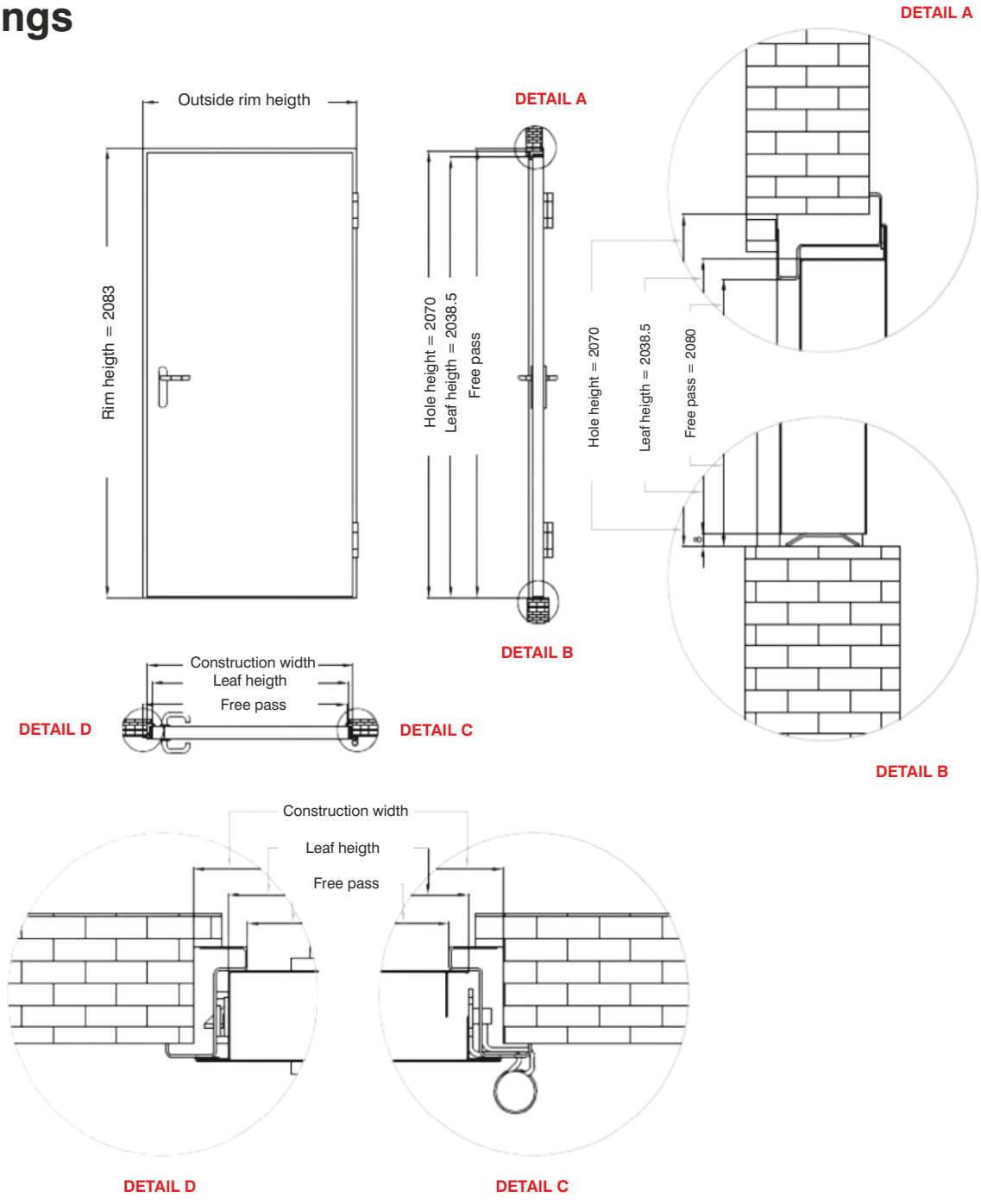
SIZES

Construction Sizes	Leaves Sizes	Free Pass Sizes	Weight	Leaves
800 x 2070	755 x 2038,5	730 x 2030	50	1
900 x 2070	855 x 2038,5	830 x 2030	54	1
1000 x 2070	955 x 2038,5	930 x 2030	59	1
1200 x 2070	755 + 403 x 2038,5	1130 x 2030	76	2
1400 x 2070	655 + 703 x 2038,5	1330 x 2030	85	2
1600 x 2070	755 + 803 x 2038,5	1530 x 2030	94	2
1800 x 2070	855 + 903 x 2038,5	1730 x 2030	103	2
2000 x 2070	955 + 1003 x 2038,5	1930 x 2030	112	2

2 leaves

1 leaf

Drawings



1 LEAF

Leaf width = span width - 45
Free pass = span width - 70
Estimated rim width = span width + 35

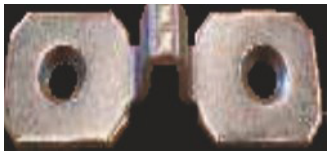
2 LEAVES

Leaf width:
Main leaf width = span width - 45
Secondary leaf width = span width + 3
The secondary leaf carries the central post together
Free pass = largura de vão - 70
Estimated rim width = span width + 35

CARATERÍSTICAS GERAIS

FOLHA

Made with galvanized and pre-lacquered steel sheets in a color similar to RAL-9016, 0.6mm thick, according to UNE-EN 10142 standard.
The sheet is made from two pre-lacquered galvanized sheet metal plates in the same color as the frame. Between the hinges there is a bolted safety pivot that is housed in the frame to prevent the door from being removed or deformed by heat.



Safety pivot

Lã de rocha

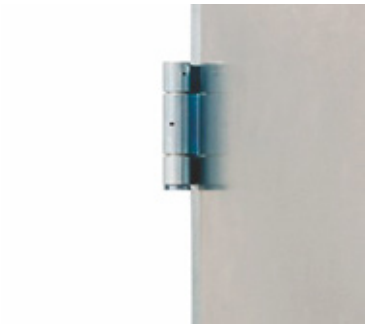
A 55mm thick, high-density rigid rock wool panel is housed between both plates. The stone wool used is classified within the Euro-classes as A1.
In terms of behavior in water it is a hydrophilic material and not hygroscopic compared to humid air.
It is not corrosive to metals.Its toxicity and flammability are zero and it is non-combustible.

CONDUTIVIDADE TÉRMICA DA LÃ DE ROCHA

Average temperature (°C)	10	50	100	200	300	400
Thermal conductivity (l) (W/m°C)	0,032	0,037	0,04	0,056	0,0	0,091

HINGES

The door has two fireproof hinges made of galvanized steel with CE marking, as indicated in the UNE-EN 1935 standard, formed by two bodies, joined to the frame by welding and the leaf by means of screws that join them together.

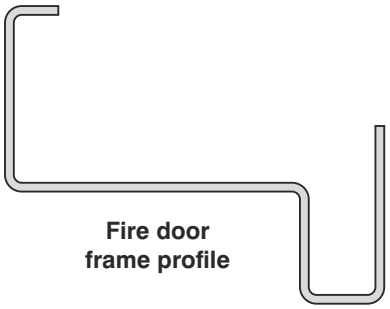


Fireproof hinges UNE-EN1935

Fire-stop hinge detail without spring

RIM

With 1.5mm thick galvanized steel sheet, according to the UNE-EN 10142 standard. Comprises two side profiles and one top, welded together and painted in white similar to RAL 9016. It takes six brackets to fix the door



Fire door frame profile

GASKET

The door has a thermo-expandable and intumescent gasket installed on the entire perimeter of the frame, except for the lower part, to seal the door openings in the event of fire and prevent the escape of gases and vapors.

The intumescent gasket is made of graphite base. It is a flexible material, odorless and black in color. In addition, it is not soluble in water.

CLEARANCE

	Minimum	Maximum	Average
Milestone – Leaf (mm)	5	10	7,5
Leaf – Lower part (mm)	7	10	8,5

LOCKS

Built into the leaf, with a 1mm thick steel box, coated with plasterboard and reversible, it has a double lock which is activated by the 9mm square. With CE marking, according to UNE-EN12209.

Fire stop lock
(Anti-panic lock is optional)

DRIVE SYSTEMS

The set of accessories to activate the lock is made of steel coated with black glossy polyamide and with a metal shield with a black glossy polyamide mirror. The set is supplied unassembled and consists of a set of handles without a key.

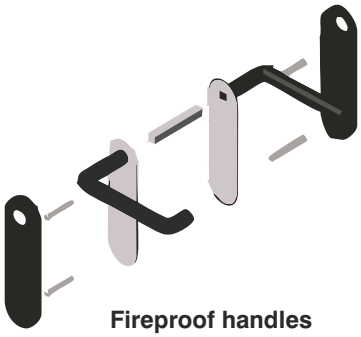
Pullers

LEAF ACCESSORIES EI_2 60 C5 1

HANDLES, SHELLS AND LAMPS:

- Glossy black polyamide handles (Euroclass B1) with steel core.
- 9 mm square.
- The set that comes with the door: blind handle / blind handle.

NOTE: for other types of locks, lamps, handles and terminals, it is necessary to check availability.

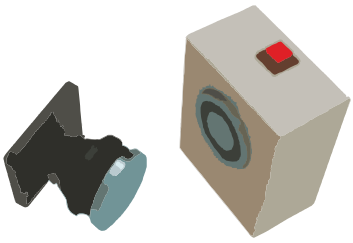


Fireproof handles

ELECTROMAGNET:

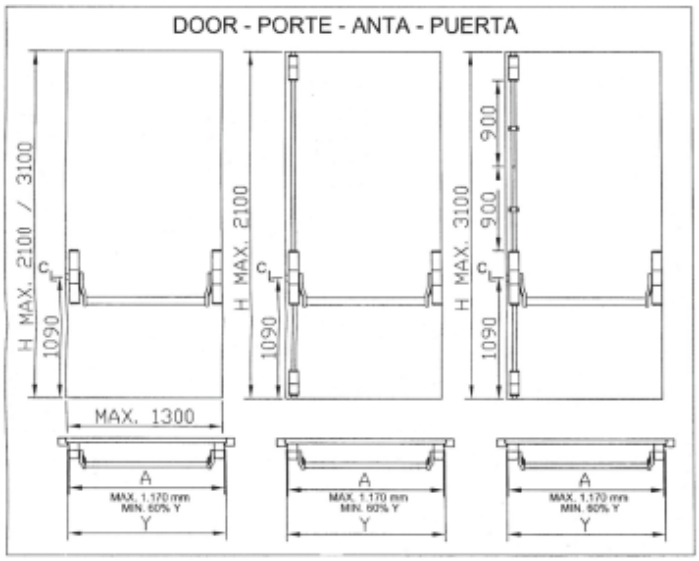
- They are mandatory in fire doors that must remain open.
- CE marking according to UNE-EN 1155, according to CTE.
- Minimum required value of the coding digits: see table

Encoding Digits	1º	2º	4º	5º
Value that must have the digit	3	8	1	1



Electromagnet

ANTI-PANIC:



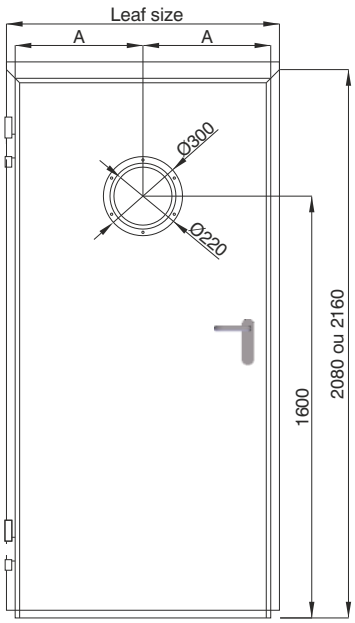
Simple anti-panic bar 1 universal leaf
Panic bar with universal external lock
Simple 2-leaf anti-panic bar universal

GLASS DISPLAYS:

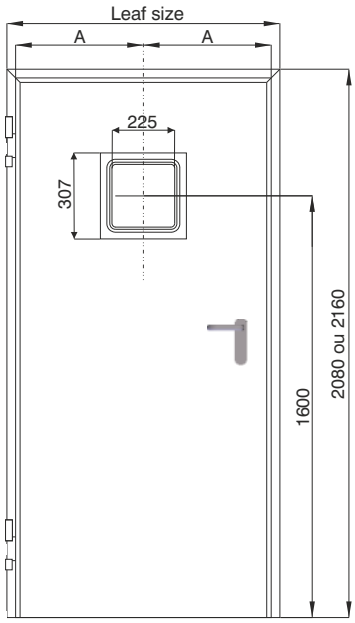
They are for EI260 C5 fire doors. There are 2 possible models:

Circular, with a 220 mm diameter viewing surface. It has a CF EI260 glass of e=23mm, intumescent gaskets and two rings, external and internal, of stainless steel with 6 screws.

Square, with a viewing surface of 225 mm on each side. It has a CF EI260 glass, e=23mm, intumescent joints and two structures, exterior and interior, in pre-lacquered stainless steel with 8 screws.



GLASS DISPLAY POSITION



Leaf size	A	Heigth
795	397,5	1600
895	447,5	1600
995	497,5	1600

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795	397,5	1600
895	447,5	1600
995	497,5	1600

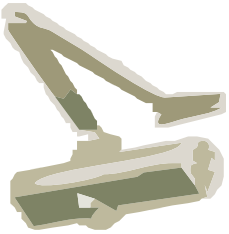
CRYSTAL FEATURES:

Light transmission: 88%
K coefficient: 5 W/m2 K
Weight: 55 kg/m2
Composition: extra clear glass - optiwhite

Glazed doors must have their own test certificate, clearly indicating that the test is for a glass door.

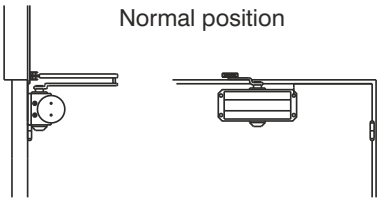
The test certificate for fire doors with glazing is valid for fire doors without glazing, but not vice versa.

CLOSES DOORS:



- Mandatory on all fire doors
- Silver finish
- CE marked according to UNE-EN 1154, according to CTE
- Minimum required value of the coding digits: see table

Encoding Digits	2º	3º	4º	5º
Value that must have the digit	8	3 ou +	1	1

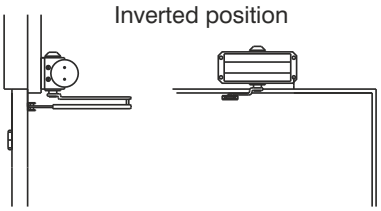


- Main features:

Closing speed and end stroke regulations.
Thermostable for Ta between –20 and +40.

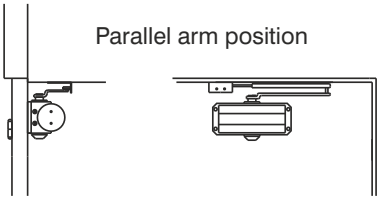
- Placement positions:

Normal (hinge side)
Inverted (opposite side of hinges)
Parallel arm (needs a special element to your placement)



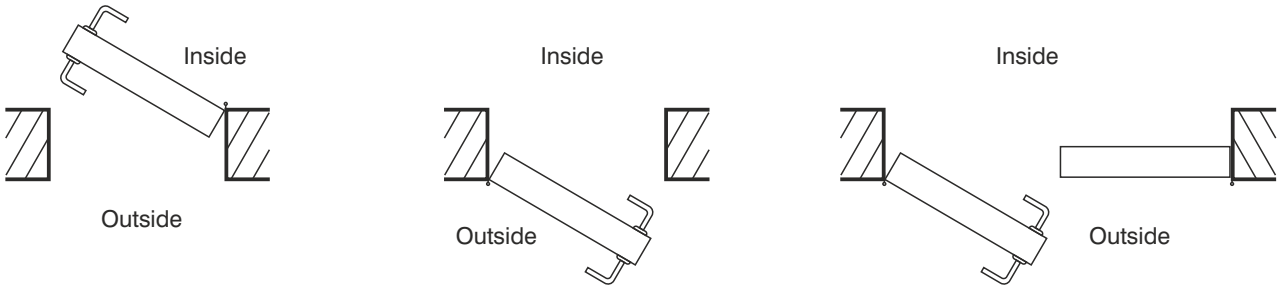
- Positioning features: see table

Door width (mm)	Door weight (kg)	Required force	Opening angle
até 850	até 40	EN 2	180°
860 a 950	41 a 60	EN 3	180°
960 a 1100	61 a 80º	EN 4	120°

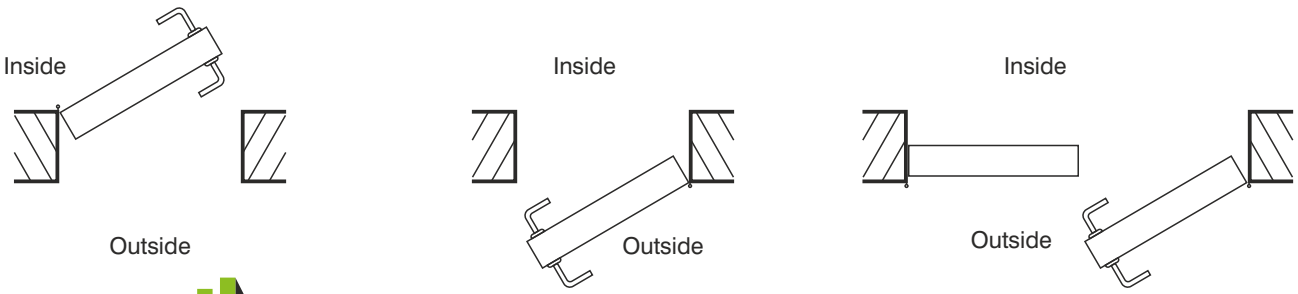


OPENING SENSES

RIGHT OPENING



LEFT OPENING



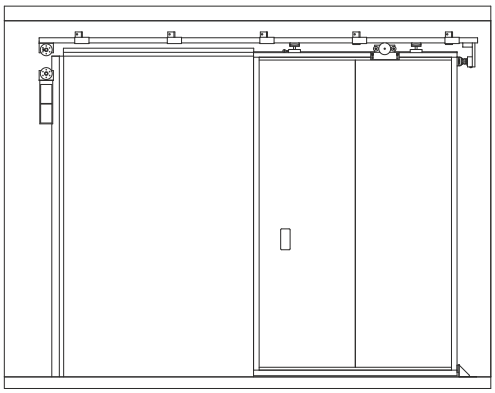
SLIDING FIRE DOOR CIR 60-1H GR

(Opening width > 4000 and Opening height > 3000)

The CIR 60-1H GR sliding fire door has been specially designed to be used in buildings where, due to their architecture, work activity or stored material, there are risks of fire. The main function is to prevent its spread by compartmentalizing spaces and acting as a fire barrier. The CIR 60-1H GR fireproof sliding door is manufactured with premium materials in compliance with current safety regulations.

IMPORTANT NOTE: The sliding fire door is fire resistance tested in accordance with UNE EN 1634-1 and classified in accordance with UNE EN 13501-2. Tested and rated door incorporating the complete lifting system and rails on the unexposed face. The door must be installed to maintain the result obtained in the fire resistance tests, with a guide system on the face not exposed to fire (the face that does not need to be protected).Fireproof sliding doors CIR 60-1H GR are only approved after application.

The CIR 60 - 1H GR sliding door is an EI260 fire door (weight 40Kg / m²).



DESCRIPTION:

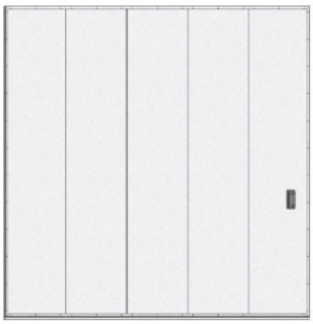
Panels: formed by two sheets of galvanized steel and filled with insulating material based on layers of rock wool to form a structure.
Technical characteristics of rock wool:
Density 160 kg / m2
Euroclass E1
synthetic binder
It is not hydrophilic or hygroscopic
Linear expansion coefficient 2 x 10-l6 / m
Thermal conductivity: see table

Average temperature (ºC)	10	50	100	200	300	400
Thermal conductivity (l)(W/mºC)	0,032	0,037	0,042	0,056	0,072	0,091

The wool gluing system is made with an A1 rated glue with zero toxicity and flammability.

Sheet (thickness 80mm):

It is placed on two sliding carriages inserted in a guide rail. Formed by joining panels (previously described) in galvanized steel and filled with insulating material.The number of panels will be determined by the dimensions of the door to be executed. The perimeter of the sheet is reinforced with "U" profiles in 2 mm thick galvanized steel sheet that make up its external structure. Both have a built-in handle that facilitates opening or closing the door.The door is supplied without a brake (as required by current regulations).



Guide rail set:

Consisting of a guide rail and two sliding carriages that are inserted into it. The track is held by screws to a pointof loading fixed to the work support. Rail length varies depending on door size. On the floor, in the direction of movement of the door, a set of 2 bearings is strategically placed to improve the sliding of the door and avoid possible swings of the leaf.

Electromagnet:

CE marking in accordance with UNE-EN 1155 and in accordance with CTE.Offers a magnetizing force of 40 daN ~ 60 daN.

Quartz thermal fuse (optional):

Easy to install on one end of the guide attached to the sliding door permanently. The door is released in case of fire when temperatures above 68ºC are reached. The minimum load is 2.7 kg and the maximum is 75 kg.

Heat sealed thermal fuse (optional):

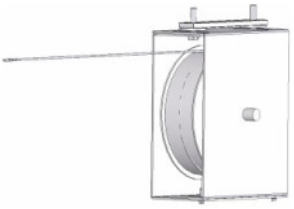
Easy to install on one end of the guide attached to the sliding door permanently. The door is released in case of fire when temperatures above 70ºC are reached. The maximum load at this temperature is 79.8 kg.

Bottom stop:

Lower stop to open the door formed by a square in galvanized steel and a plastic stop to limit the movement of the door in the open direction.

Spring Pulley*:

Easy to install at one end of the guide (according to the closing direction), it serves to close the sliding door. With this system, bulky sets of counterweights and traditional noise caused by friction between materials are avoided. Thanks to the self-tensioning and freewheel pinion, it is possible to vary the tension once mounted. (*Spring pulley is adjusted with special criteria).

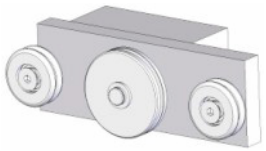


Counterweight set:

It is a system that consists of a set of pulleys that support an adjustable set of counterweights to balance the weight of the door.

Radial speed reducer:

It is a closing speed reducer installed on top of the door leaf. It allows to obtain a constant and uniform closing speed.This speed reduction is achieved with the help of a tense steel cable with a thickness of 3 mm between the 3 pulleys. The reduction direction can be in either direction. On doors = 10m² of hollow surface, installation is not required.



Sealing set:

Composed of 2 mm thick galvanized steel parts, installed in place of sliding door support. It makes up the closing of the door through locked and embedded labyrinths.They contain a longitudinally adhered intumescent gasket of high expansion, giving the door a perfect behavior as a fire barrier.

WARNING: Parts must be covered with plaster after placement on the work stand.

Coating set (optional):

Set of guide drawers in 1.2 mm thick galvanized steel sheet and stripped tubes 20x20 and 40x20.

Door equipment:

Electromagnet, spring pulley, radial damper (dimensions not always dependent on the door), guide and sliding rollers.

IMPORTANT: The doors tested by Valportas, Lda were manufactured with the maximum size allowed by official ovens. An official justification for oversized doors is not possible. In case of customer request, Valportas, Lda undertakes to build the door with the same materials and structure as the tested doors, reinforcing, if necessary and according to the company's criteria and experience, the most sensitive areas possible door.

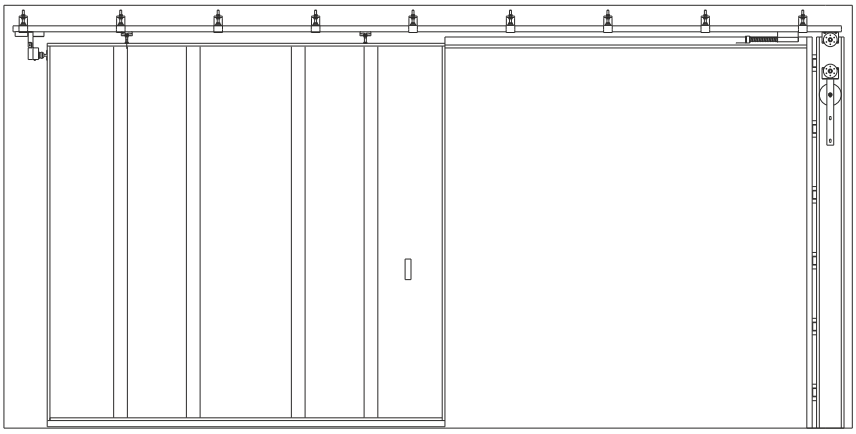
SLIDING FIRE DOOR CIR - 1H PQ

(Opening width > 4000 and Opening height > 3000)

The CIR 60-1H PQ fire sliding door has been specially designed to be used in buildings where, due to their architecture, work activity or stored material, there is a risk of fire. The main function is to prevent its spread by compartmentalizing spaces and acting as a fire barrier. The CIR 60-1H PQ fireproof sliding door is made of premium materials in compliance with current safety regulations.

IMPORTANT NOTE: The sliding fire door is fire resistance tested in accordance with UNE EN 1634-1 and classified in accordance with UNE EN 13501-2. Tested and rated door incorporating the complete lifting system and rails on the unexposed face. The door must be installed to maintain the result obtained in the fire resistance tests, with a guide system on the face not exposed to fire (the face that does not need to be protected).CIR 60-1H PQ fireproof sliding doors are only approved after application.

The CIR 60 - 1H PQ sliding door is an EI260 fire door (weight 38Kg / m^2).



DESCRIPTION:

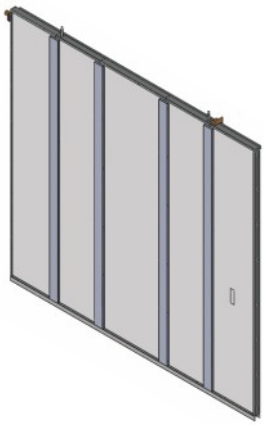
Panels: formed by two sheets of galvanized steel and filled with insulating material based on layers of wool to form a structure.
Technical characteristics of wool:
Density 160 kg / m2
Euroclass E1
synthetic binder
It is not hydrophilic or hygroscopic
Linear expansion coefficient 2 x 10-l6 / m
Thermal conductivity: see table

Average temperature (ºC)	10	50	100	200	300	400
Thermal conductivity (l)(W/mºC)	0,032	0,037	0,042	0,056	0,072	0,091

The wool gluing system is made with an A1 rated glue with zero toxicity and flammability.

Sheet (thickness 60mm):

It is placed on two sliding carriages inserted in a guide rail. Formed by joining panels (previously described) in galvanized steel and filled with insulating material.The number of panels will be determined by the dimensions of the door to be executed. The perimeter of the sheet is reinforced with "U" profiles in 2mm thick galvanized steel sheet that make up its external structure. Both have a built-in handle that facilitates opening or closing the door.The door is supplied without a brake (as required by current regulations).



Guide rail set:

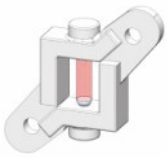
Consisting of a guide rail and two sliding carriages that are inserted into it. The track is held by screws to a loading point fixed to the work support. Rail length varies depending on door size. On the floor, in the direction of movement of the door, a set of 2 bearings is strategically placed to improve the sliding of the door and avoid possible swings of the leaf.

Electromagnet:

CE marking in accordance with UNE-EN 1155 and in accordance with CTE.Offers a magnetizing force of 40 daN ~ 60 daN.

Quartz thermal fuse (optional):

Easy to install on one end of the guide attached to the sliding door permanently. The door is released in case of fire when temperatures above 68ºC are reached. The minimum load is 2.7 kg and the maximum is 75 kg.

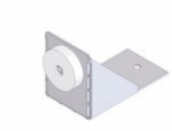


Heat sealed thermal fuse (optional):

Easy to install on one end of the guide attached to the sliding door permanently. The door is released in case of fire when temperatures above 70ºC are reached. The maximum load at this temperature is 79.8 kg.

Bottom stop:

Lower stop to open the door formed by a square in galvanized steel and a plastic stop to limit the movement of the door in the open direction.



The official laboratory approved fireproof guillotine vertical rise sliding metal door is defined by the following characteristics:

• For the elaboration of the sheets, steel plate with 1.2 mm is used on both sides, the internal filling of the module consists of rock wool with fibrosilicates of adequate density to the required. Total blade thickness 85-105-125 mm.

• It is manufactured in modules approximately 1100 mm wide for the required hole height. All modules are integrated using 1.8/2mm galvanized steel perimeter "U". The union between the modules and the perimeter "U" is made by finishings of different sizes and lengths.

• Smoke protection and counterweight cabinet made of 1.5 mm thick bent galvanized steel sheet.

• The hanging fittings are made of the highest quality steel allowing a perfect fit to the span as they are adjustable in the three spatial planes X, Y, Z.

• Manual door opening and closing by the combined action of electromagnet and counterweights.

• There is the possibility of automating the doors so that both opening and closing are electrically controlled by the motor and the control panel.

Industrial door for internal use, normally used to compartmentalize and protect fire sectors in the logistics, agro-food industries and in general anywhere that does not have space on the side for a horizontal sliding door.