

A photograph of industrial equipment, likely a cold room door or shutter, featuring a metallic, diamond-plate texture. The equipment is shown in a close-up, highlighting the mechanical components and the heavy-duty construction.

QUALITY - RELIABILITY

COLD ROOMS | DOORS | SHELVES | CURTAINS | ACCESSORIES



A. MOTORS - PILALIS SA

OUR POWER: TECHNOLOGY - RELIABILITY

The company AMERICAN MOTORS Ch. Pilalis S.A. was founded in 1963 with main activity the production of all types of cold rooms, refrigeration doors and door sanitary. We work with German constructors for the supply of materials, mechanisms and components. We apply the German expertise in manufacturing chambers and industrial insulation doors.

Recently we completed a large investment in modern production equipment, for the construction of the cold rooms and doors for the food industry, with a significant reduction in labor costs.

Along with German know-how and our long-term experience, AMP products are at the highest levels of european technology combining reliability, power economy, long life and excellent quality at low prices. Our products are certified from great international certification companies.

Each door manufactured by our plant is treated individually. In its design we take into consideration all technical aspects related to the given door niche and the door itself. This way all doors manufactured have their unique serial number, seperate for each piece released from our plant.

Our company is certified to the requirements of **ISO 9001:2015** and **ISO 14001:2015**, while our doors are certified with **CE EN13241-1** and **CE EN1634-1** according to the European Directive 89/106/EK, from specialized control & testing institute.

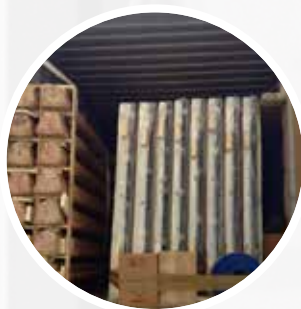
The company, in its effort to upgrade and document its products and services, moving in an international environment, invests in know-how and infrastructure for the analysis and control of the behavior of its steel structures.

Thus, it performs complex strength tests on its products with specialized simulation software, achieving the safe use of the product and the optimization of production cost.



WE STAND BY YOU ...

with the people, the expertise, the infrastructure,
and the disposal to help you.



One-stop-shop for cold rooms, industrial refrigeration doors,
clean room doors, cold storage shelves, pvc curtains.

1. Group of 45 professionals
2. Delivery of 60 years
3. Dynamic change

- Technological evolution with ethics

We specialise in GIGA doors, which we always test according to quality control standards that we faithfully apply ISO 9001:2015. Each XL - GIGA DOOR door is documented with a static FEM study with 3D engineering design programs.

We develop the quality of the doors with continuous improvements by our R&D department by certifying in accredited laboratories based on European (CE) and American (UL) standards.

We innovate by successfully launching fire resistant refrigerated doors in the market and design new products for our future portfolio.

We are enriching the available options in industrial doors.

We respect by fully supporting our partner network with all our strengths.

We serve well by providing advice and complete technical drawings.

We guarantee the good functioning of our products. (5 years)

- No compromise on quality

Faithful to superior polyurethane insulation made in Germany.

We offer our customers that little bit extra by using slurry polyurethane in all our doors.

We test with 100,000 openings for every amp door model.

We dynamically export our products to leading global construction companies on major strategic projects.

The success of our products is reflected in our upward trajectory.

- Our goal: customer satisfaction

We redesign our products based on our customers' suggestions to meet their needs even more comprehensively.

Thank you for your trust over the years.

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PERSONNEL



CART



PALLET JACK



MOTORIZED PALLET JACK



FORKLIFT



CUSTOMIZABLE
DIMENSIONS



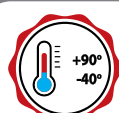
PRODUCT READY FOR
INSTALLATION



SAFE FOR FOOD STORAGE



FACILITATES THE HACCP
METHOD



CAN BE USED BETWEEN
-40 °C / +90 °C



CFC & HCFC FREE



MATERIAL THAT ERADICATES
99,9% OF BACTERIAL



CHILLER & FREEZER

COLD ROOMS

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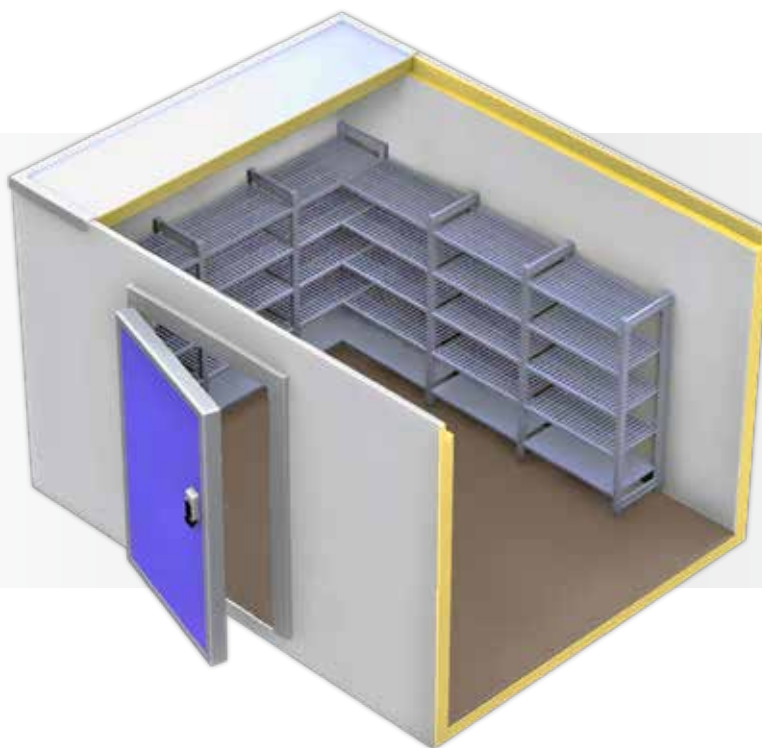
The AMP Cold Rooms are manufactured in our Industry in Kryoneri Industrial Area of Athens with highly accurate latest technology machinery. They are air-tight for maximum economy on energy.

Cold rooms are constructed of polyurethane panel sandwich type, in different thicknesses in accordance to the demanded temperature of chiller or freezer.

Certified with CE EN13241-1 (EN 89/106/ EK).



- The panels are connected with three thermal barriers that seal tightly with the German snap-in-system.
- For chillers, the kunststoff profiles, that cover the narrow sides of the panels and cut the thermal bridges, connect the side panels with the floor and the ceiling.
- For freezers, the connection of the perimeter panels with those of the roof is made with modern (as Europe and America) that is using a packet with special flashings (backsplashes and F-shape for supporting the perimeter panels). For the connection of the side panels with the ceiling panel a step (with special machines) is created to prevent the escape of temperature-cooling.
- Four angular panels of strong construction that ease the connection of the sides as if it was a straight line. The panels seal tightly at the connections with special sealing flanges from neoprene, perimetrically at the ceiling and the floor. Energy saving technology.
- Steel sheets lining of 0,55 mm thickness, with polyester anti-toxic coating NSF and protective foil.
- Polyurethane insulation from BAYER Germany, with $\lambda R = 0,022 \text{ W/mk}$ and density 42 - 45 kg/m^3 .
- Frame from reinforced thick PVC in angular shape of German design covers all the thickness of the panel and is installed with the CPR system in 5 minutes with HACCP standards.
- Hinged and sliding doors of German technology in all dimensions with modern mechanisms.
- Every freezer room is equipped with electric decompression valve.
- Study, design and specifications according to DIN from the Polytechnic University of Berlin.
- Compliance with HACCP regulation. Big saving of electrical energy.



Cold room with
polypropylene shelves

	MOD CRPT	MOD CRNT
Application		
Chiller Room	●	
Freezer Room		●
Dimensions (mm)*		
Minimum Length	1500	1500
Minimum Depth	1200	1200
Minimum Height	2000	2000
Maximum Length	10000	10000
Maximum Depth	8000	8000
Maximum Height	3500	3500
Panel Thickness (mm)		
Minimum Thickness	60	100
Maximum Thickness	100	120
Options		
Hinged Door	●	●
Sliding Door	○	○
Hygiene Profiles	●	●
Decompression Valve		●
Panel Floor	●	●
Antislip Floor	●	●
Window	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.

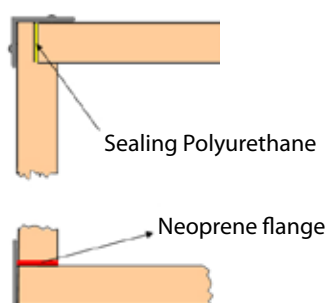
PANEL CONNECTION

CHILLER

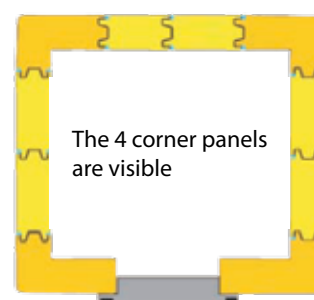


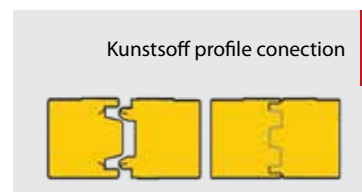
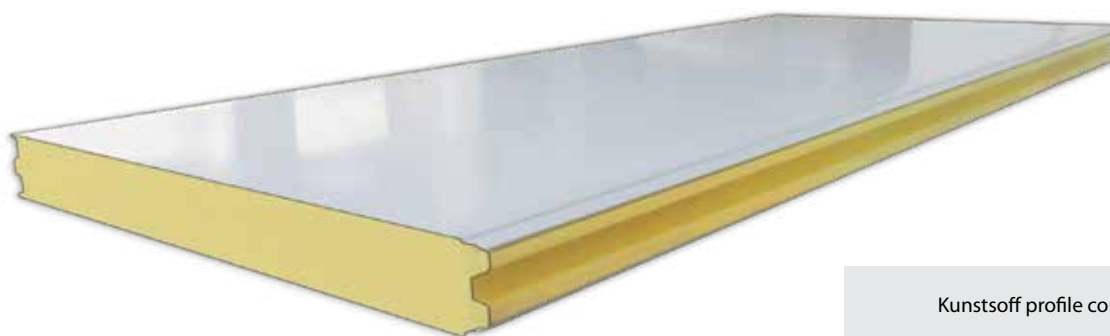
Connection with Kunststoff profiles

FREEZER



HORIZONTAL VIEW

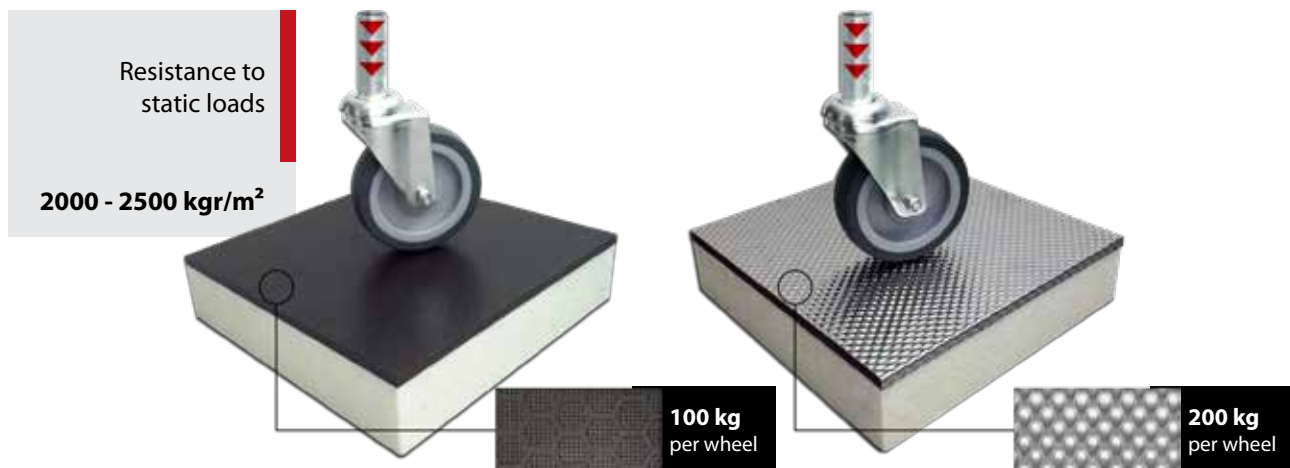




- The Panels are sandwich type with polyurethane core, assembled with simple way. They are connected with three heat dams to seal effectively "holding" the cooling.
- Polyurethane panels for cold rooms are coated with white steel sheets, RAL 9002, with antitoxic polyester coating and protective FOIL.
- Upon request, there is the possibility at the external side bear to be vertical ribbed for greater mechanical strength.
- For insulation of the panels, hard polyurethane foam is used with $\lambda_R = 0,022 \text{ W/mK}$ and density 40 kg/m^3 , a three times insulating capacity of other insulation materials, and non flammable. The polyurethane is poured into heated press under 500 tons of pressure, and the inner walls of the sheet steel are sprayed automatically with adhesive, so that the detachment is impossible (patent of factory).
- The electronic control of the standards of panels to material ratios, pressures, times, humidities, mixing temperatures and shaping of the sheet steel ensure:
- Maximum thermal insulation coefficient.
- Stable quality and impermeability.
- Light panel with high mechanical strength.
- Dimensional accuracy in millimeter.
- Precedence to quality and technology.

TECHNICAL SPECIFICATIONS

PANEL	PU 60	PU 80	PU 100	PU 120	PU 140	PU 150	PU 200
panel thickness mm	60	80	100	120	140	150	200
U-value ($\text{W/m}^2\text{K}$)	0,39	0,30	0,24	0,20	0,17	0,16	0,12
self-weight (kN/m^2)	0,116	0,124	0,132	0,140	0,148	0,152	0,172



Plywood floors with Finland phenolic coating and stainless steel reinforced INOX 304 floors. Anti-slip, insulation, unaffected by moisture, for cold rooms and spaces labor. They do not retain dirt and they are easily cleaned.

The only genuine antislip INOX floors that pallet trucks with rubber wheels can move, comfortably, without difficulty.

PLYWOOD FLOOR

- Reinforced marine plywood from Finland specially for cold rooms.
- With phenolic anti-slip coating.
- Very strong and resistant to static loads of 2.000 kg/m².
- Insulating, unaffected by moisture, they do not retain dirt and are easy to clean (waterproof).
- Sheet dimension 1.250 x 2.500 mm x 9mm thickness, brown colour.

STAINLESS STEEL FLOOR

- Stainless steel anti-slip floor, placed and glued on marine plywood from Finland, from 15mm up to 21mm thickness, at a heated press of 500 tons. The back side of the plywood and the bench are covered with a 2 times polyester coating for complete sealing. Static load capacity from 2.000 up to 2.500 kgr/m².
- **Stainless steel textured surfaces in various designs (decor) can also be placed on the outside of the door giving a standard surface of luxury and solidity with unlimited lifespan.**

FLOOR MODELS



The purpose of using decompression valves at cold rooms is to maintain the internal and external pressure balanced. The pressure variations periodically occur during the different defrosting phases and during the opening & closing of the cold room door.

The valves are supplied in 3 different models depending of the internal volume (V) of the cold room - small (up to 50 m³), medium (from 50 up to 150 m³) and large (from 100 and up to 800 m³).

VALVE MODELS



Valve for small internal volume up to 50 m³ expandable

117075



Valve for medium internal volume (from 50 up to 150 m³)

117072



Valve for large internal volume (from 150 up to 800 m³)

117074

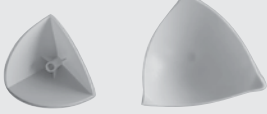




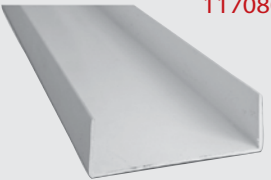

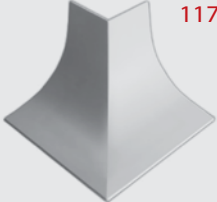
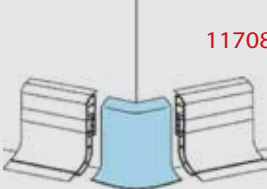
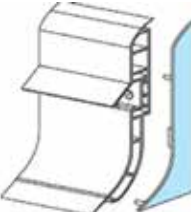
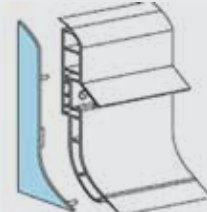
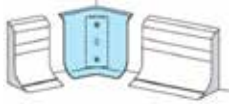
Hygiene angles

Special Hygienic Profile (hygienic angles) of PVC cup shaped are provided with silicone ends and aluminum base guide of heavy duty, with which the inner corners of the chambers are overlapped watertight, as required by the requirements of the European Union, for the practical and easy cleaning of the cold room and for the avoiding of concentration fungi, bacteria, etc.

Hygiene silicone skirting boards

Special PVC profiles with silicone ends which covers sealingly the angles that are formed between the perimeter panels and the floor, for the easy purification of the cold room and to not creat outbreak infections at these points.

PROFILE TYPES

 <p>116500</p> <p>Inner Profile Corner</p>	 <p>117076</p> <p>Hygiene Skirt</p>	 <p>117077</p> <p>Supporting Guide with Rails</p>	 <p>117088</p> <p>Hygiene Profile</p>
 <p>117060</p> <p>Supporting Guide 60mm</p>	 <p>117080</p> <p>Supporting Guide 80mm</p>	 <p>117100</p> <p>Supporting Guide 100mm</p>	 <p>117090</p> <p>Outer Profile Corner</p>
 <p>117083</p> <p>Outer Skirt Corner</p>	 <p>117084</p> <p>Right Skirt Cap</p>	 <p>117085</p> <p>Left Skirt Cap</p>	 <p>117087</p> <p>Inner Skirt Corner</p>

You can use an insulated cold room window to your clients, to give the chance to customers to walk in the cold room and pick the stored products (for meat, cheese, fruits and vegetables). The window is installed tightly on the polyurethane panel or on the door leaf with thermal break.



In the chiller cold rooms, INOX 304 hooks are placed solid inside the cold room, around in a double row with one or two transverse extra rows very reinforced (bended sheets 60x30x2 mm, bended sheet columns 50x50x2 mm and solid nails $\Phi 16/220\text{mm}$ rounded at the end).

These hooks are very important addition inside the cooling chamber, especially in meat production units, butchers, food production facilities and dairies.

The stainless steel hooks are heavy duty and of high mechanical strength.

The stainless steel hooks are manufactured according to the dimensions of each cold room.



Inox hooks inside a cold room for meats



FRIGO DOOR SOLUTION

COLD STORAGE DOORS

HINGED 16

SLIDING 24

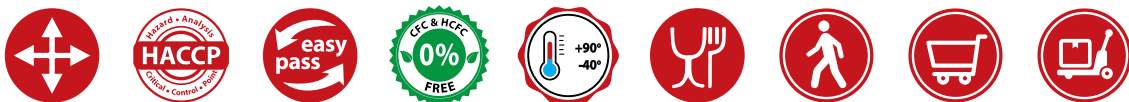
VERTICAL SLIDING (GUILLOTINE) 36

FIRE RATED HINGED 40

FIRE RATED SLIDING 46

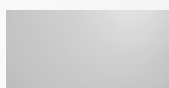


The hinged doors, as a key element of the structure and functionality of cold rooms, are easily adapted, hermetically sealed and contribute significantly in maintaining temperature constant. They are suitable for all industries such as supermarkets, food processing industries, dairy factories, fruit packers, meat and food processing industries, hotels and more.

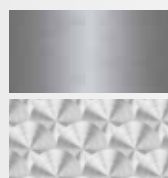


- Standard door leaf with Polyurethane insulation supplied from BAYER (Germany) of density 40-42 kg/m³ non flammable, with injection at heated press of 500 tonnes. Door surface made from German steel sheets 30% thicker than the competition, plasticized to a thickness of 200 µm with Sanitary Steel film coating with antibacterial properties.
- Angle - shaped frame, made from heavy duty, robust and reinforced with marine plywood, PVC, with modern German design and high mechanical strength. In accordance with HACCP standards. EASY-PASS (quick & easy assembly).
- Single section door (Monoblock). It locks in three points with 6 hinges.
- Lock mechanism & hinges for all hinged doors.
- Border gaskets, insulating properties with beehive cells and perfect adhesion.
- Five year written guarantee.
- Wide colour range.

OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)



Porthole 300mm x 500mm



Antipanic push bar
for emergency exit



Decorative protective bumpers



Anti-slip entrance ramp



Aluminum door frame with
thermal barrier

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



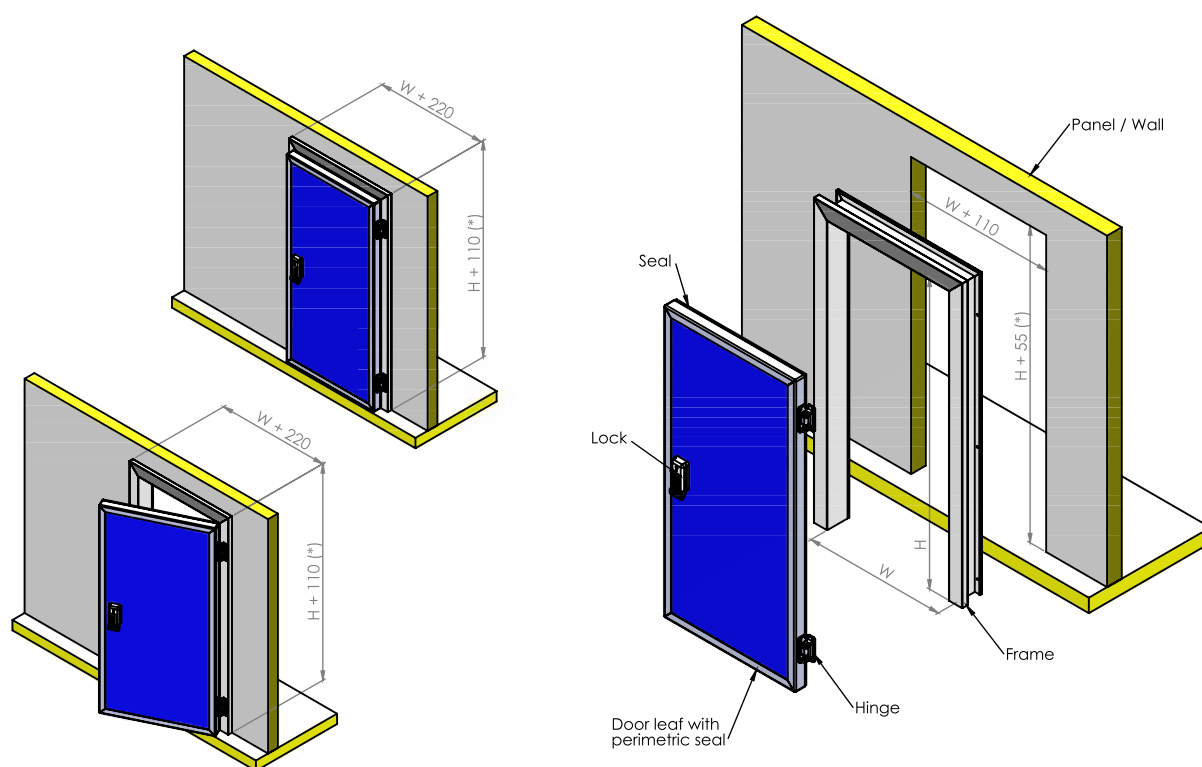
RAL9002



Pebbled

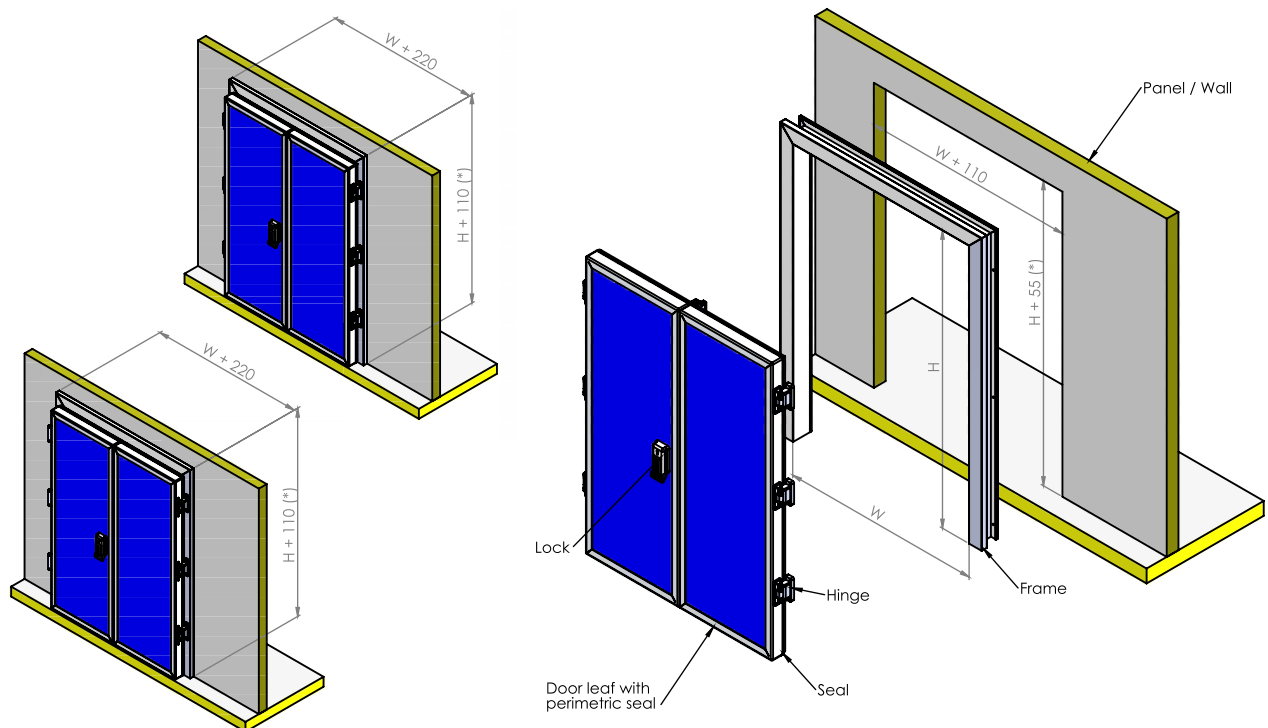


SINGLE LEAF TECHNICAL DRAWING





DOUBLE LEAF TECHNICAL DRAWING





STAINLESS STEEL VERSION



STANDARD VERSION

Hinged cold storage door on the same level with the frame (does not protrude), or with a tiny protrusion from the frame. It is used in special cases such as on ships, or when it is requested by the customer for aesthetic reasons and space economy.

It closes tightly and seals on the specially designed PVC or stainless steel frame, providing perfect insulation as well as the standard hinged cold storage door.

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



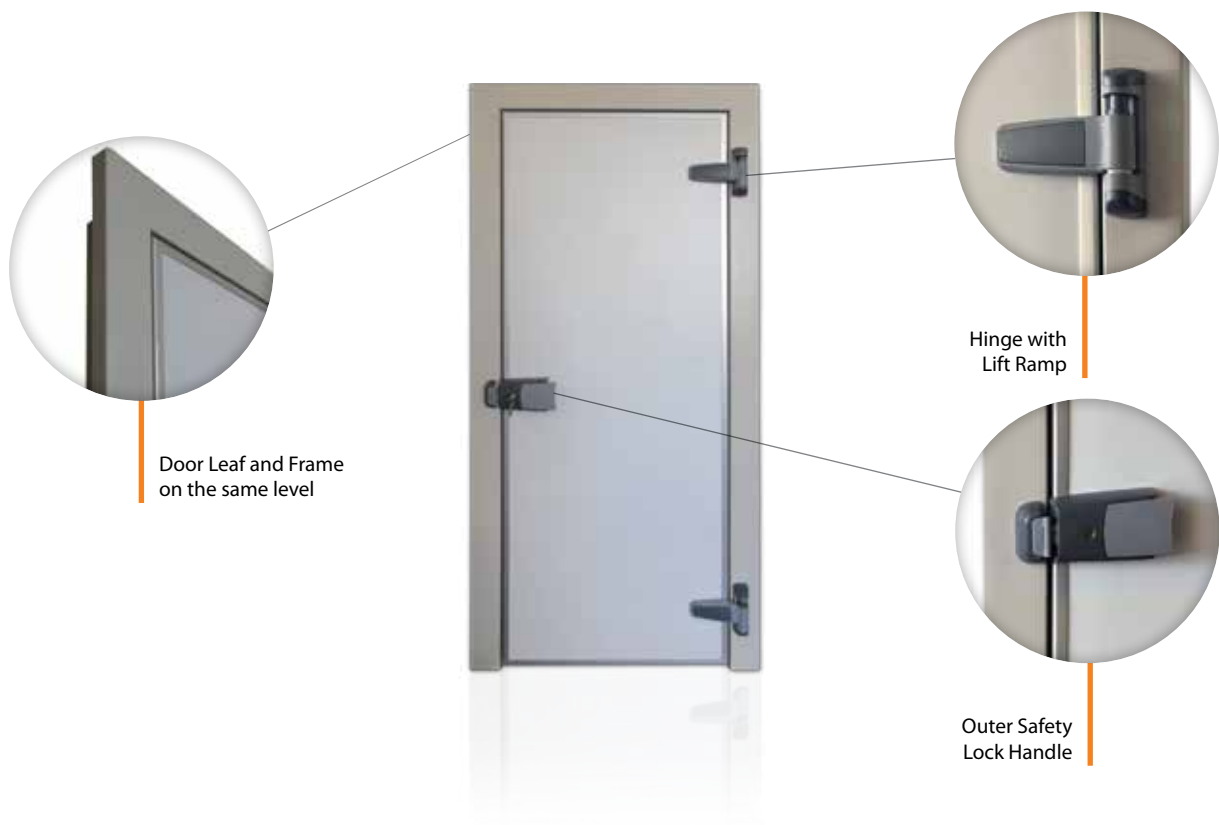
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FLUSH



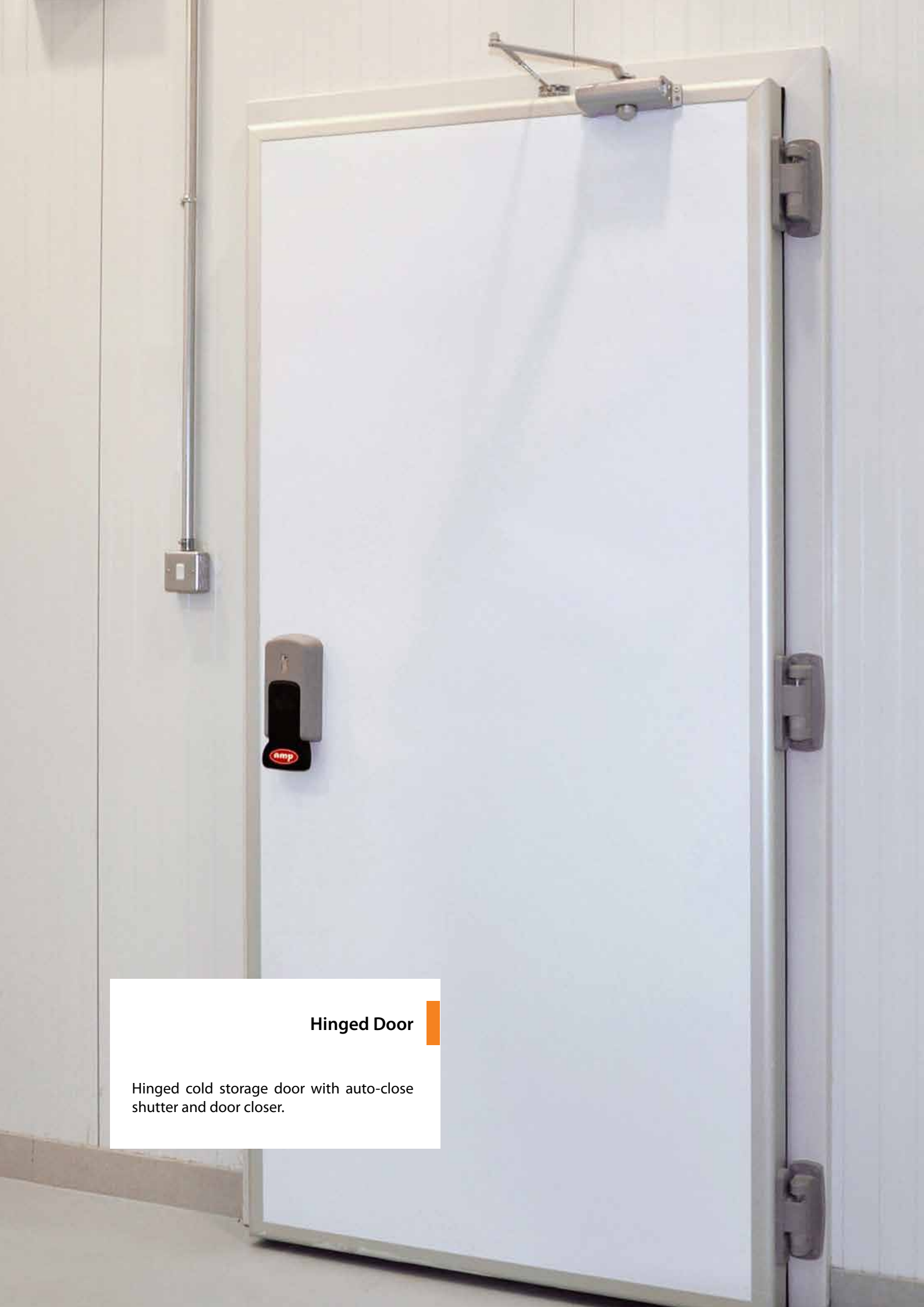
	MOD 608TP	MOD 609TL	MOD 612TXL	MOD 612TXXL
Application				
Chiller Room	●			
Freezer Room		●	●	●
Temperature	0 °C	-25 °C	-30 °C	-40 °C
Net Opening Dimensions (mm)*				
Minimum Width **	700	700	700	700
Minimum Height	1800	1800	1800	1800
Maximum Width **	1500	1500	1500	1500
Maximum Height	2500	2500	2500	2500
Door Thickness (mm)				
Leaf Thickness	80	90	120	120
Minimum Panel Thickness	60	100	120	120
Maximum Panel Thickness	80	200	200	200
Options				
Plastified Surface ***	●	●	●	●
Inox Surface	○	○	○	○
Full Inox	○	○	○	○
Flush/Semi Flush Door	○	○	○	○
Hook Rail Passage	○			
Lower Frame	○	○	○	○
Accessories				
Heating Element		Single	Single	Double
Window	○	○	○	○
Panic Bar	○	○	○	○
Decorative Bars	○	○	○	○
Entrance Ramp	○	○	○	○
Door Closer	○	○	○	○

- Standard
○ Optional

* For custom dimensions contact with A. Motors office.

** For width greater than 1500mm double leaf door is used.

***Colors other than white come with extra charge.



Hinged Door

Hinged cold storage door with auto-close shutter and door closer.



The sliding doors can be used when the opening is bigger than 1,50m, when pallet trucks – clarks enter the cold room, when the personnel has to open the doors very often and when the space in front of the door must be free. They are perfect for industries large cargo and in facilities where the continuous opening the door is required. The specifications and the manufacturing method applied make them ideal for food industries such as fruit packaging units, meat industries, dairies, logistics and more.

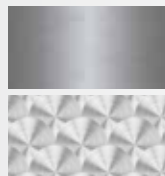


- Standard door leaf with Polyurethane insulation supplied from BAYER fire retardant (Germany) of density 40-42 kg/m³ non flammable, with injection at heated press of 500 tonnes. Door surface made from German steel sheets 30% thicker than the competition, plasticized to a thickness of 200 µm with Sanitary Steel film coating with antibacterial properties.
- Angle - shaped frame, made from heavy duty, robust and reinforced with marine plywood, PVC, with modern German design and high mechanical strength. In accordance with HACCP standards. EASY-PASS (quick & easy assembly).
- Slide mechanism of modern design, exceptional sliding properties. Very soft closing and easy disengagement. Slide mechanism cover made from aluminium profile.
- Standard aluminum side panel, anodized, adapted to panels. It ensures perfect adhesion at the gaskets, without extra components on the floor.
- External shutter Inox 304 of modern design, extra heavy duty lever.
- Border gaskets, insulating properties with Beehive cells and perfect adhesion, and with door heating element installed for the defrosting.
- Five year written guarantee.
- Wide colour range.

OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)



Large dimensions window



Safety key lock



Decorative protective bumpers



Aluminum door frame with
thermal barrier

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



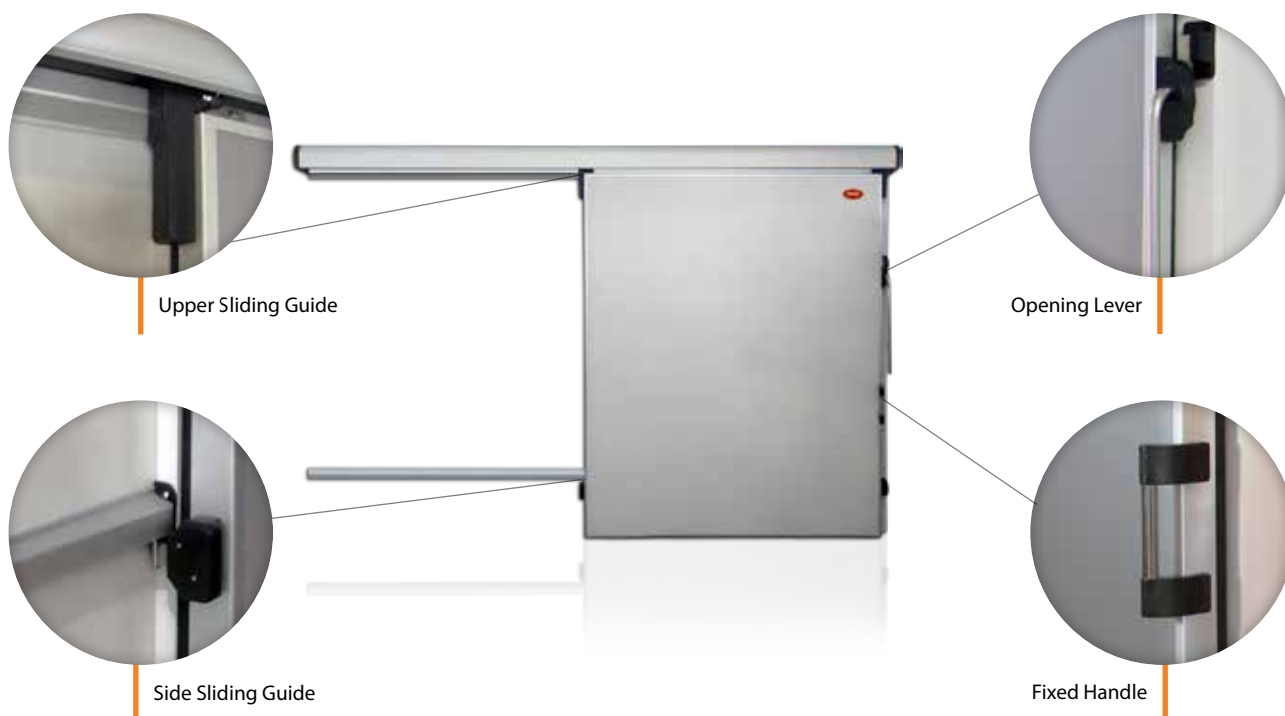
RAL7037



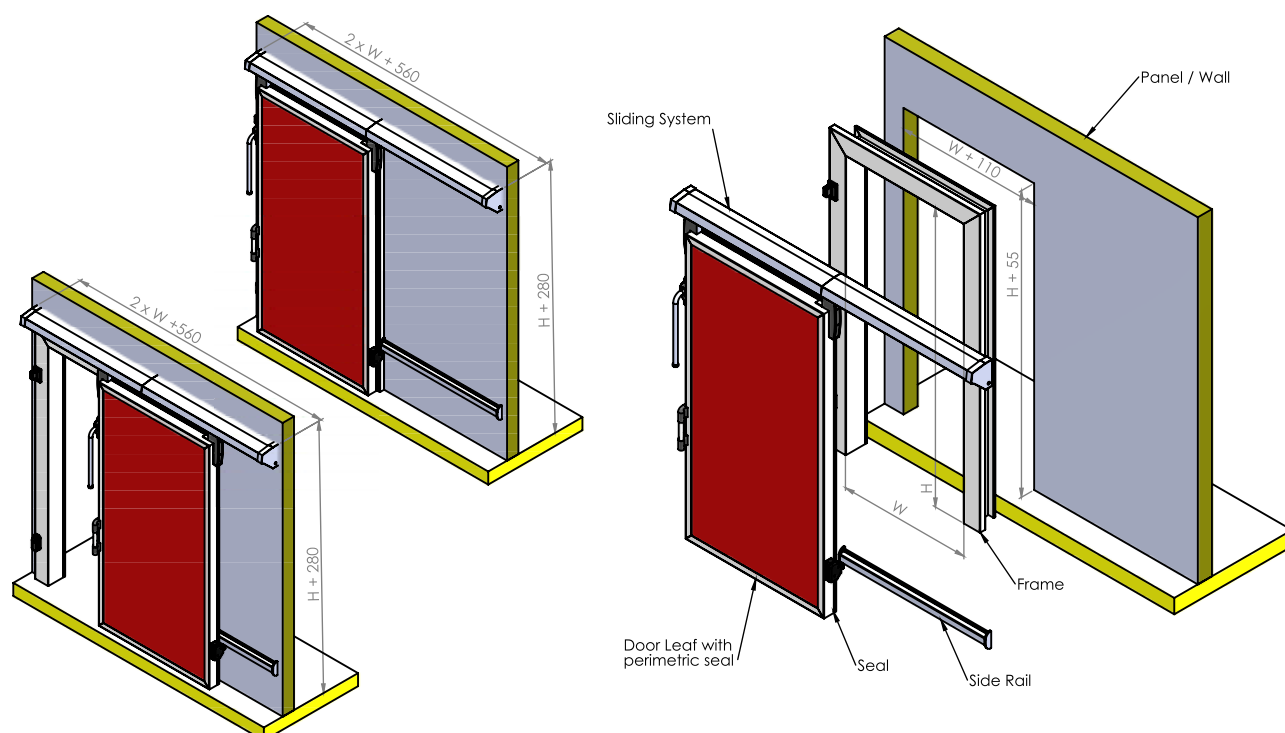
RAL9002



Pebbled



TECHNICAL DRAWING





Small dimensions sliding doors have the same materials as standard doors and the same frame of thick reinforced PVC, to interrupt thermal bridges. The dimensions of the clear opening in the chiller and freezer doors (net opening) are up to 1.20m in width and up to 2.40m in height.

Due to the small size and light weight, a corresponding sliding mechanism is installed with great success, as an economical solution. The whole opening - closing operating system works perfectly for long-term and hard use.

Factory warranty of good operation is provided.

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



RAL9002



Pebbled



OPTIONS



Motion detector (radar) for automatic opening of the door with identification of people or vehicles.



Security lock which activates the opening switches (remote control, opening cords, pushbutton) with opportunity of evacuation, from inside even if the door is locked.



Remote control with one or more remote controls, push-button for opening-closing and security mushroom on the control panel. Opportunity for partial opening.



Special mechanism which in case of power failure, disconnects the chain from the motor and the door opens easily as a manual door.



Possibility of movement of the door with belt instead of chain for silent operation of the opening-closing.



Torque limiter as an extra safety device of the electric sliding door.

- Automatic activation of sliding door via a mechanism with a motor connected to a multifunction panel. Switchgear IP 56 is suitable for installation in a moist environment and includes an electronic circuit for controlling the functions and an inverter to control the paths during operation of the opening-closing and the necessary needs in electrical power in respect to the security settings.
- All automation system is pre-cabled therefore the connection of the board becomes easy through a multipolar connector which is located at the bottom of the board. There are already preinstalled factory settings which are easily changed depending on the needs of each user.
- Speed is set to 0,27 m/sec (as per regulations) and the engine has a reversible reducer. The speed can change easily from the board.
- The primary safety device for crash protection is a sensitive bar resistant type, located on the vertical edge of the door panel, which in case of impact with an obstacle, automatically stops the door and reverses motion.
- The controls of the STOP (end of movement) during the opening and closing is activated by a micro switch. The transmission is through a chain with adjustable power and not with tapes for cost reasons with breakage problems.
- Safety photocells which in case of obstacle detection during duration of closing, they revert the door motion to avoid collision.
- A yellow light is flashing signals that the door is in motion. Besides the many arrangements for opening – closing the door from the board, two cords connected to switches are placed in front and behind the door (at desired distances) to facilitate the operator of the forklift at the entrance and exit of the cold room.
- The above automation system for sliding electric doors is certified with CE. In case of power failure the door is operated manually.
- In addition to the usual dimensions, our company specializes in the construction of large wide electric doors up to 4000mm x 6500mm.

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



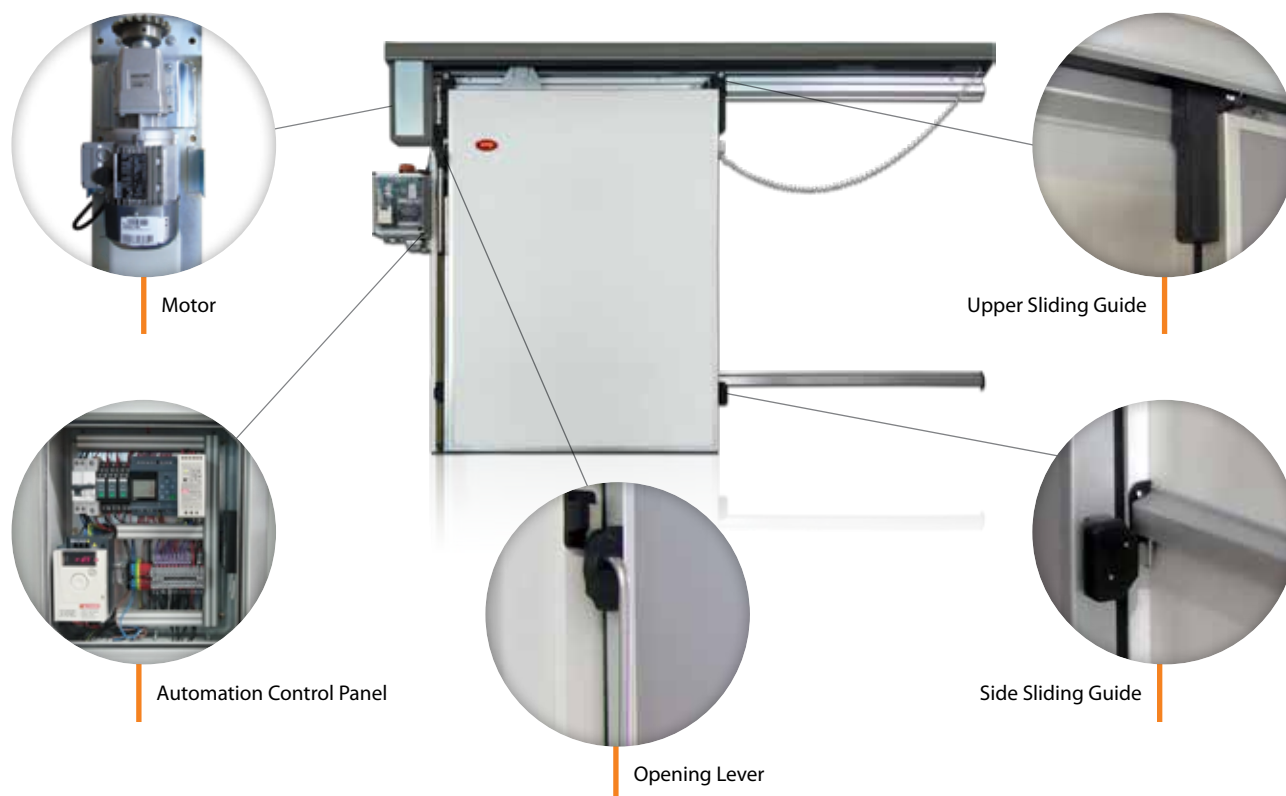
RAL7037



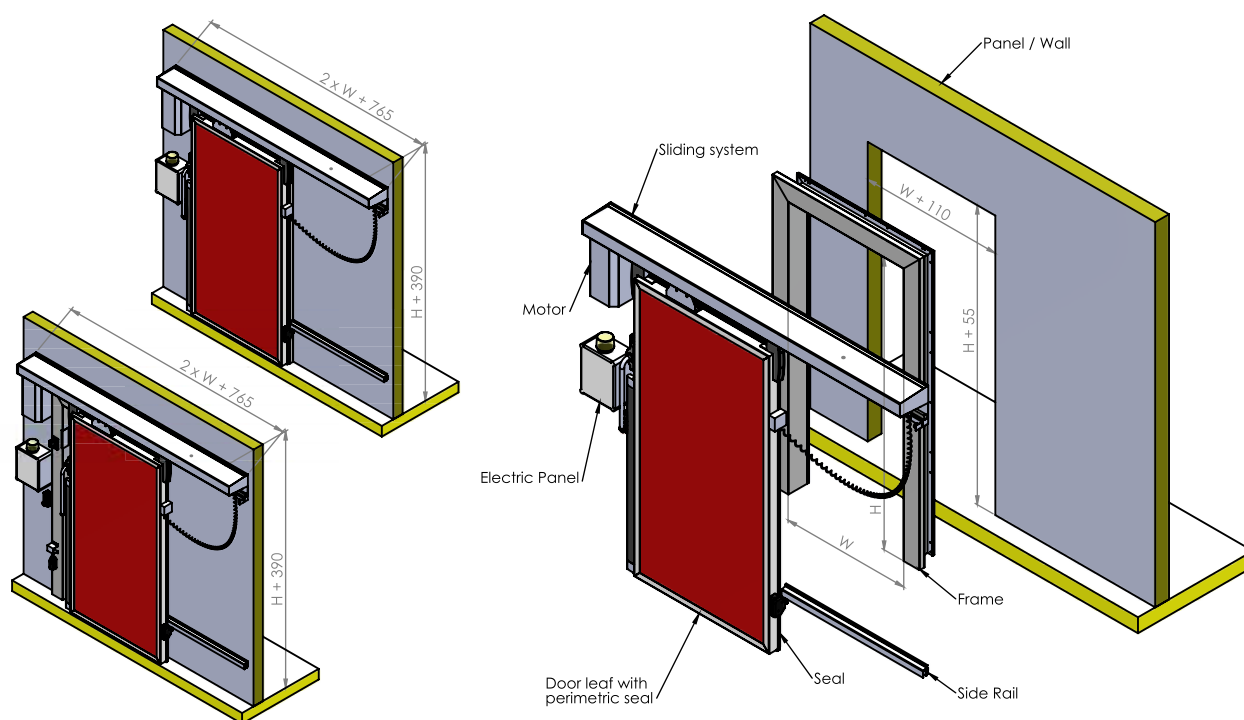
RAL9002



Pebbled



ELECTRIC SLIDING TECHNICAL DRAWING





Electric Sliding Door

Electric sliding cold storage door of large height and width.



In special cases, where the opening is large but there is not enough space on one side to allow the door to slide, a double sliding door is used whose leaves open to both left and right direction.

WITH HUMAN PASSAGE



Human passage is used on sliding door for easy and fast passage of the people. It is used especially when the sliding door is large size and opening-closing of the door from staff is not always necessary.

The human passage blocks hermetically on the sliding door with perimetric gasket, and at the bottom part the floor remains free for the easy access of the personnel.



The controlled atmosphere sliding door is suitable for application in a fruit and vegetable cold room where absolute gas tightness with the lowest operating temperature of -5°C is required. Can be used as standard sliding door in chiller room.

The frame around the cold storage door leaf is anodized aluminum, mounted and pressed together with polyurethane to keep the door always flat.

The steel surface of the door is covered with $200\text{ }\mu\text{m}$ plastisol coating to be suitable for use in foodsafe and insulated with $40\text{--}42\text{ Kg/m}^3$ polyurethane, non flammable.

The door comes with an inspection window with external locking handle and magnetic seal.

The closing valves seal airtight the door, providing perfect door-to-door contact, perfect insulation between the interior and exterior of the cold room. The frame is greatly reinforced to withstand the pressure of the closing valves.

The side guide of aluminum profile ensures perfect and straight slip of the leaf when opening and closing.

Heavy duty plastic rollers are used to slide the door along the sliding guide, and to adjust height and depth.

	MOD 808TP	MOD 809TP	MOD 809TL	MOD 812TXL	MOD 812TXXL
Application					
Chiller Room	●	●			
Freezer Room			●	●	●
Temperature	0 °C	0 °C	-25 °C	-30 °C	-40 °C
Net Opening Dimensions (mm)*					
Minimum Width	800	800	800	800	800
Minimum Height	2000	2000	2000	2000	2000
Maximum Width	3000	3000	3000	3000	3000
Maximum Height	4000	4000	4000	4000	4000
Door Leaf Thickness (mm)					
Leaf Thickness	80	90	90	120	120
Minimum Panel Thickness	60	80	100	100	100
Maximum Panel Thickness	80	100	200	200	200
Options					
Plastified Surface **	●	●	●	●	●
Inox Surface	○	○	○	○	○
Full Inox	○	○	○	○	○
Light Duty	○	○	○		
Electric Sliding	○	○	○	○	○
Human Passage	○	○	○	○	
Controlled Atmosphere	○	○			
Hook Rail Passage	○	○			
Accessories					
Heating Element			Single	Double	Double
Window	○	○	○	○	○
Lock	○	○	○	○	○
Decorative Bars	○	○	○	○	○
PVC Protective Bars	○	○	○	○	○

- Standard
○ Optional

* For custom dimensions contact with A. Motors office.

** Colors other than white come with extra charge.



Sliding Door

Sliding door with Inox perimetric heavy duty profile with circular design that holds it sturdy with unlimited durability.



Vertical sliding door (guillotine) for cold room equipped with CE EN13241-1 certified anti-fall safety systems. This door is mainly used in facilities where it isn't possible to install sliding door.

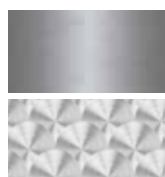


- Standard door leaf with Polyurethane insulation supplied from BAYER fire retardant (Germany) of density 40-42 kg/m³ non flammable, with injection at heated press of 500 tonnes. Door surface made from German steel sheets 30% thicker than the competition, plasticized to a thickness of 200 µm with Sanitary Steel film coating with antibacterial properties.
- Motion is conveyed by 2 Ø6mm cables. They are positioned on the right and on the left corners in order to correctly lift the door. The door is well balanced by one only counterweight. This is to let the mounting be easier and to reduce the side dimensions. The sliding guides have been especially conceived for such a door and they meet all the safety, sturdiness and easy installation requirements. The limit stop grants a perfect baskets crushing. The plastic roller grants a linear motion and reduces the noise.
- The use of 2 cables connected at the same counterweight produces a safety redundancy. This is because whether one cable is cut, the other is able to support the door. In case both the cables are cut, a special falling prevention safety device doesn't allow the door to fall down.
- Possibility of choice between manual opening-closing or automated via a mechanism with a motor connected to a multifunction panel. Switchgear IP 56 is suitable for installation in a moist environment and includes an electronic circuit for controlling the functions and an inverter to control the paths during operation of the opening-closing and the necessary needs in electrical power in respect to the security settings.

OPTIONS



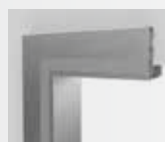
Plastified sheet
(standard)



Stainless steel sheet
(optional)



Decorative protective bumpers



Aluminum door frame with
thermal barrier

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



RAL9002



Pebbled



Motor



Lifting Pulley



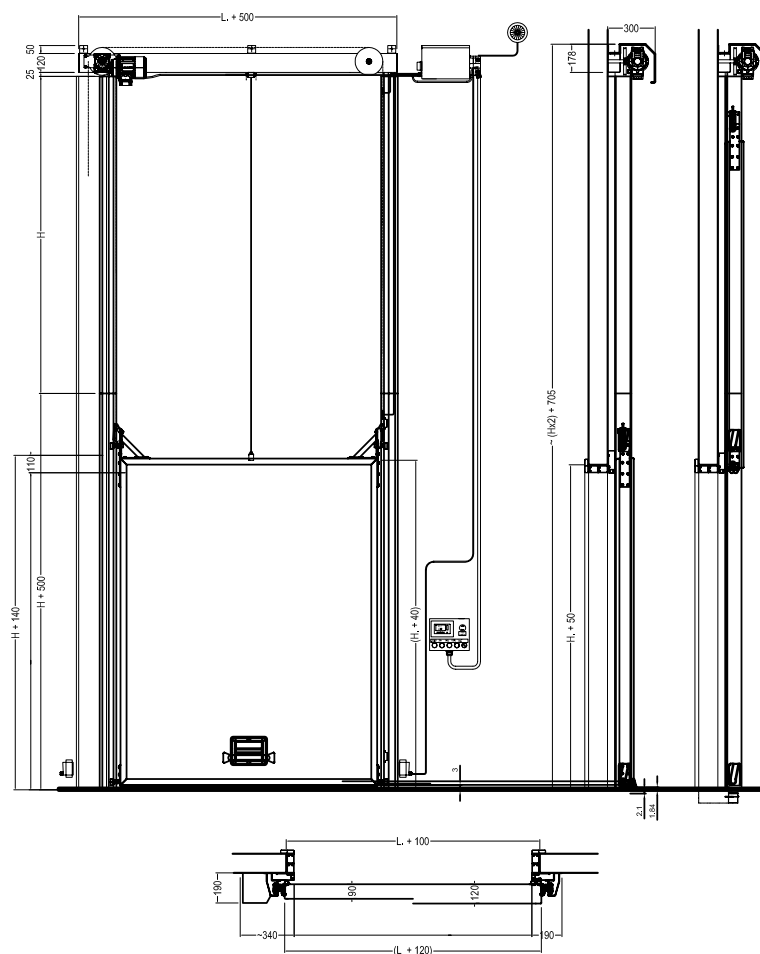
Sliding Guide



Automation Control Panel



TECHNICAL DRAWING



	MOD VTL 90	MOD VTL 120
Application		
Chiller Room	●	
Freezer Room		●
Temperature	0 °C	-25 °C
Net Opening Dimensions (mm)*		
Minimum Width	800	800
Minimum Height	2000	2000
Maximum Width	3000	3000
Maximum Height	3500	3500
Door Thickness (mm)		
Leaf Thickness	90	120
Minimum Panel Thickness	60	120
Maximum Panel Thickness	100	200
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Electric Sliding	○	○
Accessories		
Heating Element		Single
Decorative Bars	○	○

- Standard
○ Optional

* For custom dimensions contact with A. Motors office.
** Colors other than white come with extra charge.

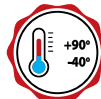


FIRE RATED DOOR 60 MIN



FIRE RATED DOOR 90 AND 120 MIN

Fire rated hinged cold room doors offer the safest solution providing protection from the fire for more than 60 minutes. They are constructed with high technology fireproof materials and they bear CE EN 1634-1 & INTERTEK UL 10C certification, in order to ensure fire safety.

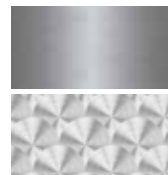


- Door leaf thickness 120mm providing insulation for low temperature freezer and positive temperature chiller doors.
- Galvanized sheet (thickness 1 mm) is used with external foodsafe antibacterial coating plastisol (250µm).
- Inside the door high tech materials are combined with non flammable polyurethane according to DIN 4102-1.
- Fire protection non - flammable material materials providing fire endurance up to 60min.
- Fire Rated and Insulation seals are used at top, left and right side.
- Fire Rated special drop down double seal is used at the bottom of the door.
- For thermal insulation, perimetrical on the door leaf single row of special insulating gaskets are used. At the bottom of the door sweep gasket is used.
- Heating elements are installed inside frame and inside threshold in freezer door.
- Stainless steel 304 insulated with high-tech materials, frame (sheet metal thickness 1,5mm) for all panel thicknesses 120mm-250mm.
- Heavy duty hinges (set of three pieces) used with self-closing mechanism.
- Fire rated exit door handle with or without lock key hole.
- Heavy duty fire tested door closer for door weight up to 160 kg with springs.
- Fire rated Panic Bar is mounted on push side of the door with Steel latches.

OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)



Decorative protective
bumpers



Antipanic push bar for
emergency exit (standard)



Stainless steel antipanic push
bar for emergency exit

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



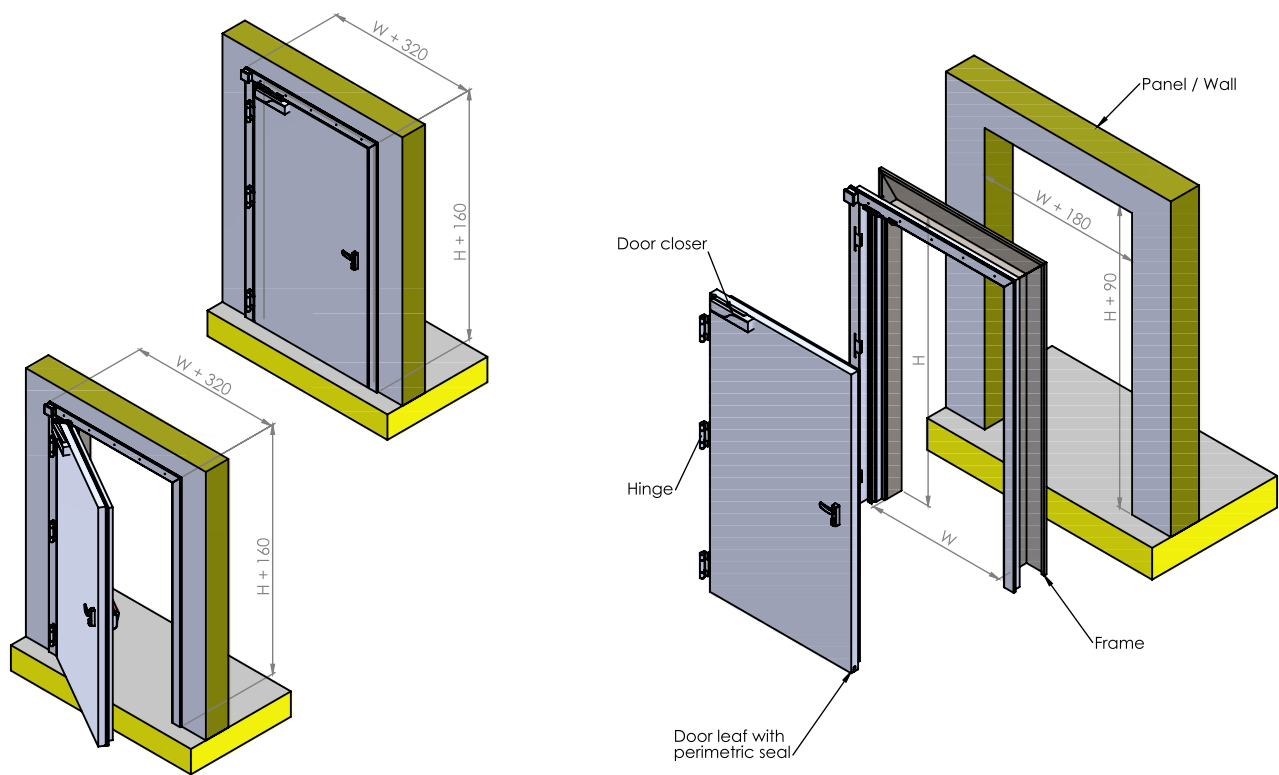
RAL9002



Pebbled

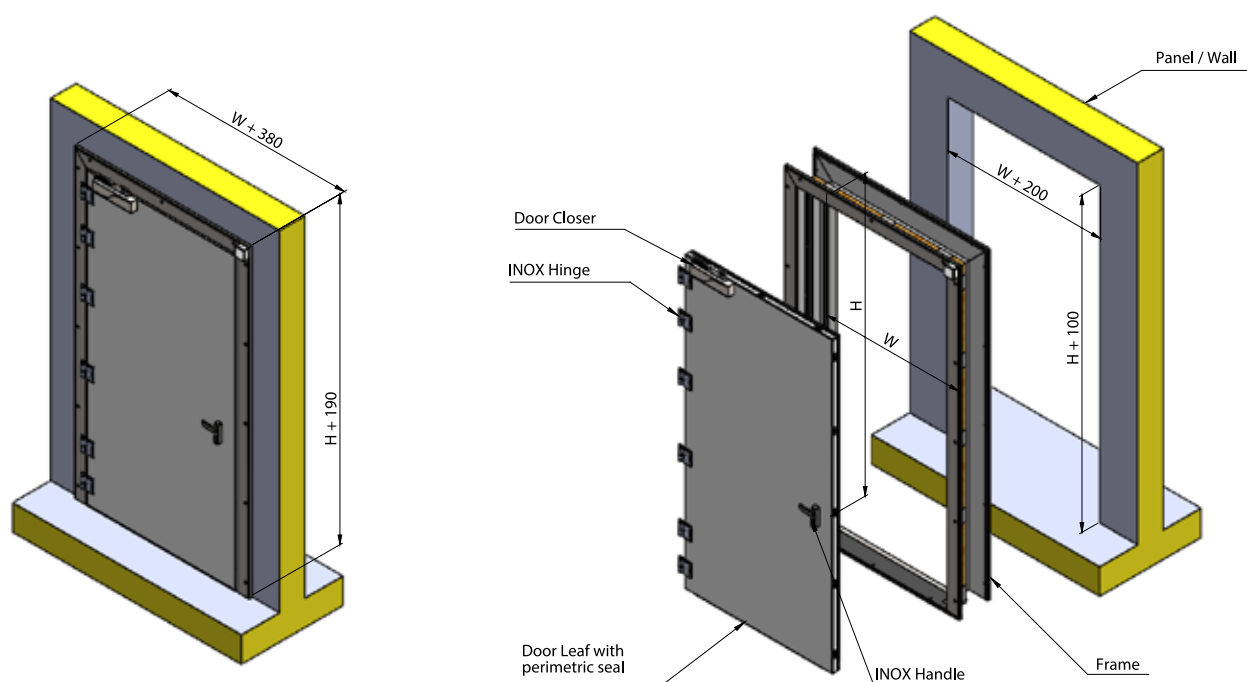


TECHNICAL DRAWING





TECHNICAL DRAWING



	MOD FHG612 TP	MOD FHG612 TL
Application		
Chiller Room	●	
Freezer Room		●
Temperature	0 °C	-25 °C
Net Opening Dimensions (mm)*		
Minimum Width	800	800
Minimum Height	2000	2000
Maximum Width	1500	1500
Maximum Height	2500	2500
Door Thickness (mm)		
Leaf Thickness	120	120
Minimum Panel Thickness	80	120
Maximum Panel Thickness	200	200
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
90-120 min. Fire Protection	○	○
Accessories		
Heating Element		Single
Door Closer	●	●
Panic Bar	○	○
Decorative Bars	○	○

- Standard
○ Optional

* For custom dimensions contact with A. Motors office.

** Colors other than white come with extra charge.



Testing according to CE EN 1634-1 and UL 10C:2021 Fire Protection Standard



Fire Rated Hinged Door

Single leaf fire rated door with strong stainless steel perimetric leaf frame for unlimited durability.



FIRE RATED DOOR 60 AND 90 MIN

Fire rated sliding cold room doors offer the safest solution providing protection from the fire for 60 to 90 minutes. They are constructed with high technology fireproof materials and they bear CE EN 1634-1 certification, in order to ensure fire safety.

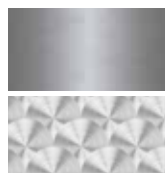


- Door leaf thickness 120mm providing insulation for low temperature freezer and positive temperature chiller doors.
- Galvanized sheet (thickness 1 mm) is used with external foodsafe antibacterial coating plastisol (250µm).
- Inside the door high tech materials are combined with non flammable polyurethane according to DIN 4102-1.
- Fire protection non - flammable material materials providing fire endurance up to 60min.
- Fire Rated and Insulation seals are used at top, left and right side.
- Heating elements are used inside frame and inside threshold in freezer door.
- Insulated frame with high-tech materials made of Stainless steel 304 (sheet metal thickness 1,5mm) for all panel thicknesses 120mm-250mm.
- Stainless steel 304 sheet metal sliding guide fabrication (sheet metal thickness 2mm).
- Electronic accessories current at 12-24V.
- In case of fire the door is automatically closed by spring pulley, fire tested for use on fire protection sliding doors. Damper is used to ensure extra safety.
- Stainless steel heavy duty external and internal handle.
- Stainless steel wheels and suspension brackets.
- Stainless steel sliding rail.
- Door is operated manually or automatically through chain motor tested according to CE EN 13241-1.

OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



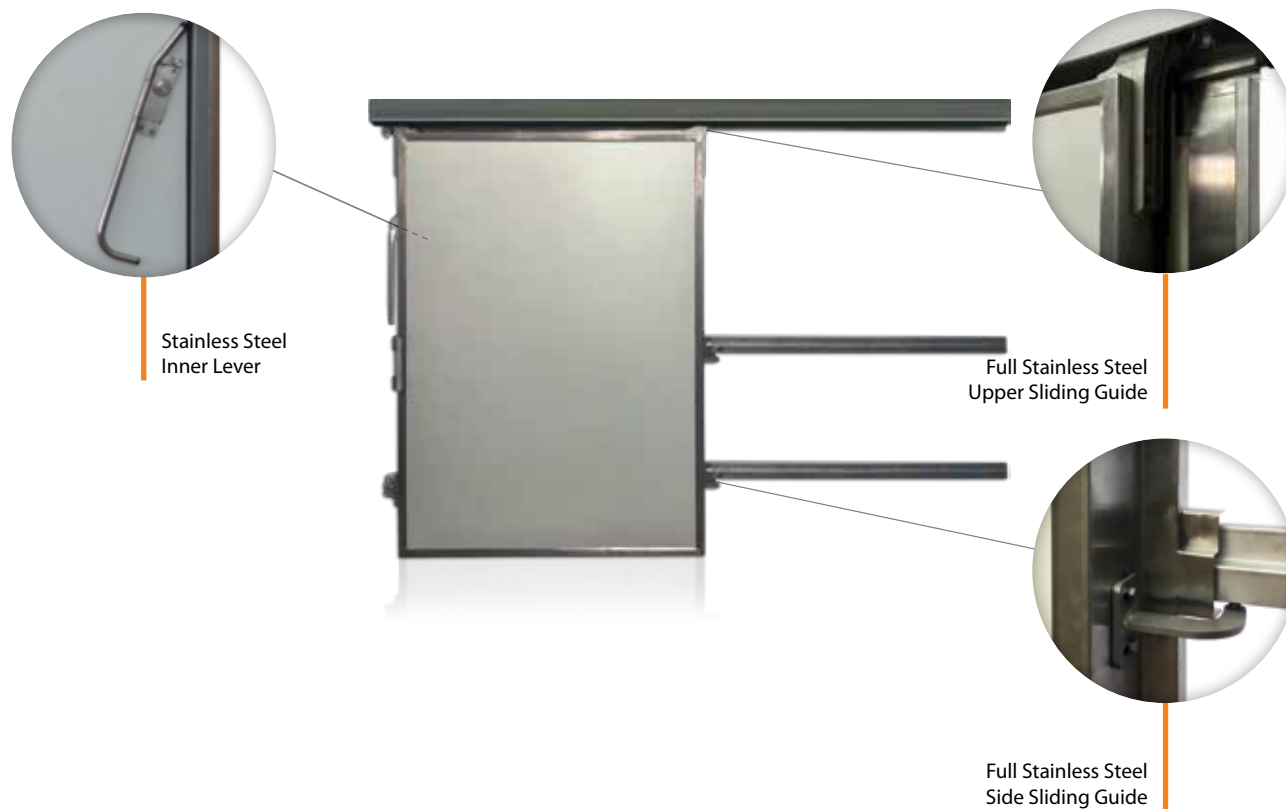
RAL7037



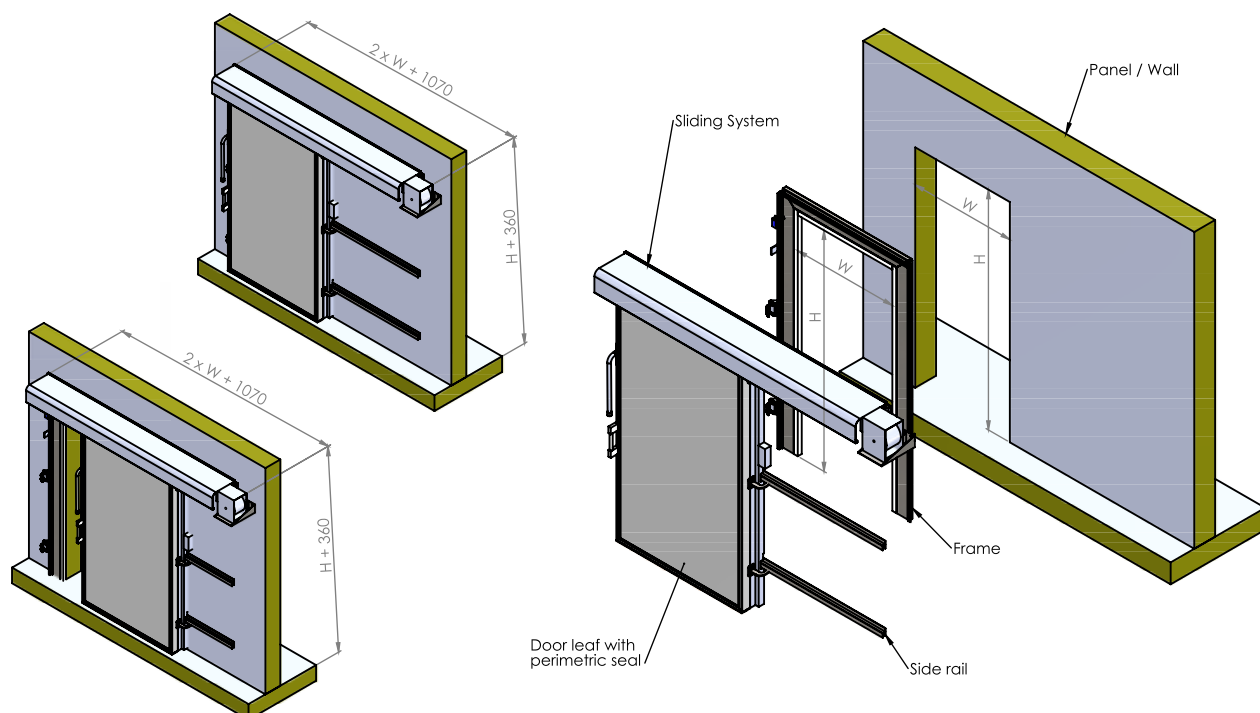
RAL9002

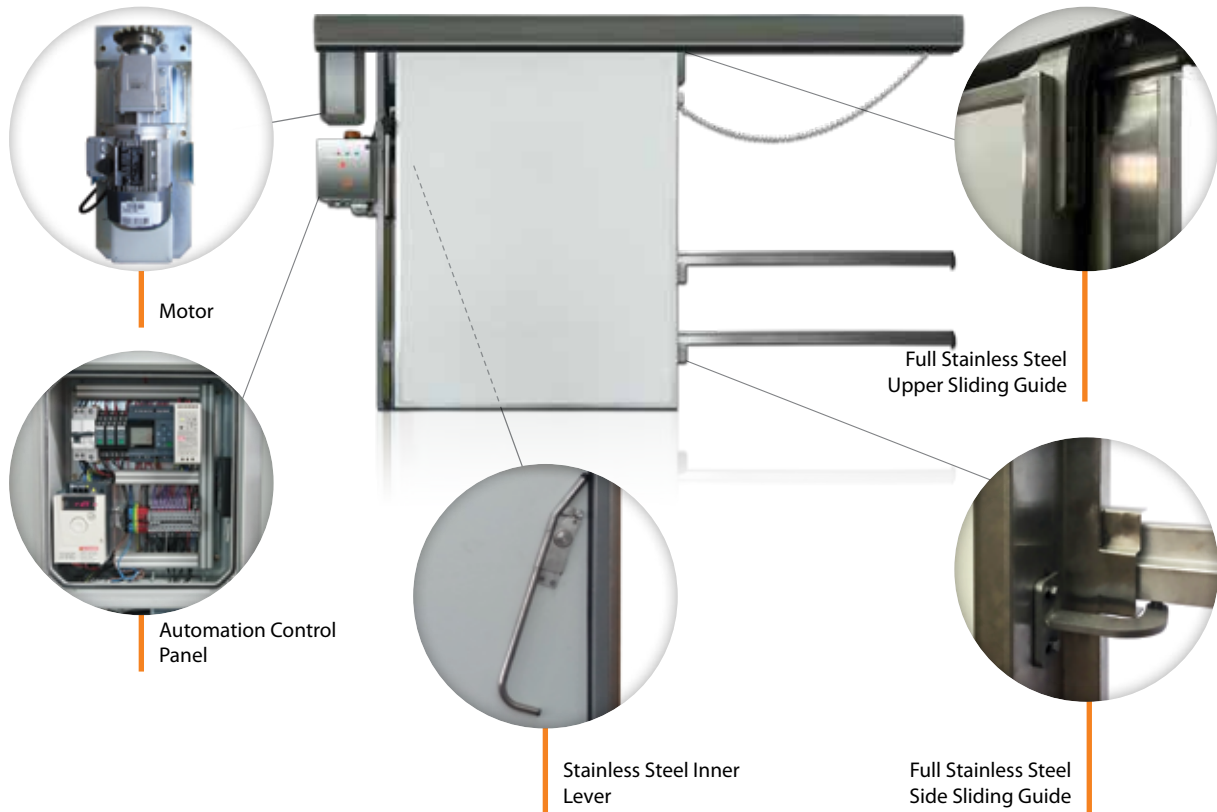


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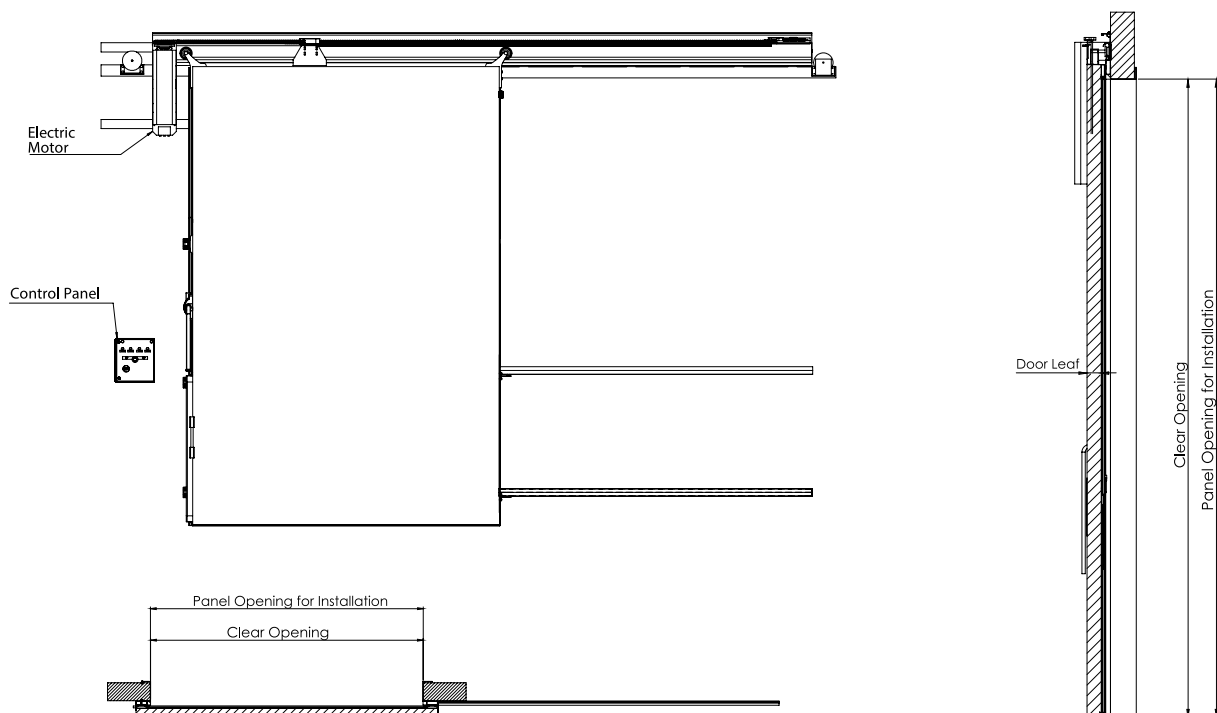


TECHNICAL DRAWING





ELECTRIC SLIDING TECHNICAL DRAWING



	MOD FSL812 TP	MOD FSL812 TL
Application		
Chiller Room	●	
Freezer Room		●
Temperature	0 °C	-25 °C
Net Opening Dimensions (mm)*		
Minimum Width	800	800
Minimum Height	2000	2000
Maximum Width	2500	2500
Maximum Height	4000	4000
Door Thickness (mm)		
Leaf Thickness	120	120
Minimum Panel Thickness	80	120
Maximum Panel Thickness	200	200
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Electric Sliding	○	○
Accessories		
Heating Element		Single
Door Closer	●	●
Decorative Bars	○	○
PVC Protective Bars	○	○

- Standard
○ Optional

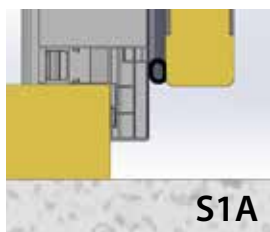
* For custom dimensions contact with A. Motors office.

** Colors other than white come with extra charge.

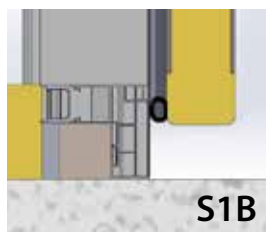


Fire Rated Sliding Door

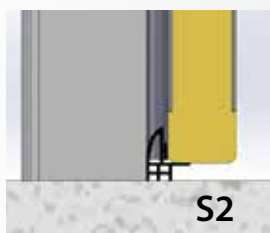
Fire rated sliding door of large dimensions for the simultaneous entrance - exit of the pallet trucks.



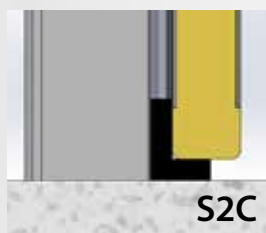
Lower Frame



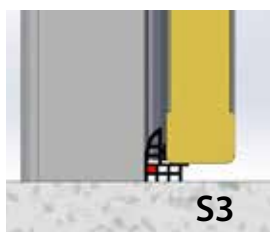
Lower Frame on floor



Sweep - Chiller



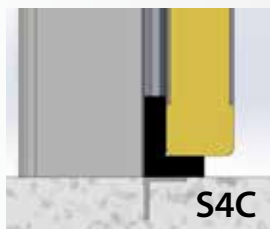
Sweep - Ctrl. Atm.
(gasket from neoprene)



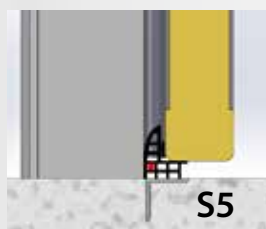
Sweep - Freezer



Sweep Support - Chiller



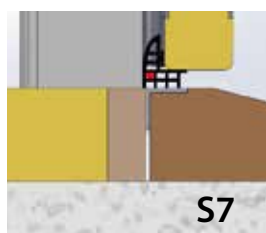
Sweep Support - Ctrl. Atm.
(gasket from neoprene)



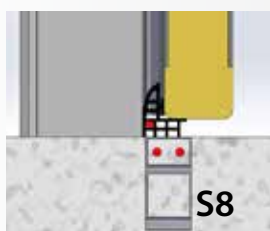
Sweep Support - Freezer



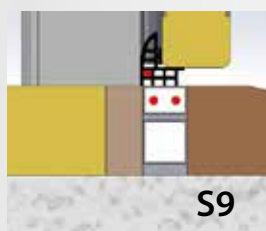
Sweep - Chiller with
anti-slip Entrance Ramp



Sweep - Freezer with
anti-slip Entrance Ramp



Sweep - blast freezer
with Oil Heater



Sweep Ramp - Blast Freezer
with Oil Heater



FOR YOUR NEEDS

DOOR OPTIONS

ANTIMICROBIAL	54
<hr/>	
FULL STAINLESS STEEL	58
<hr/>	
HOOK RAIL PASSAGE	60



We believe that safety and hygiene in the food industry, as well as in all other industries, must be a key factor.

That is why we produce doors with antimicrobial surface and handle, which effectively protect against any kind of microbe.

Refrigerator doors with handles with silver ions which prevent the growth of any type of bacteria on the surface of the handle and destroy the already existing bacteria.

Office, service and clean room doors with handles from antimicrobial copper, which reduces the risk of infections and fights human coronavirus.*



* According to the research of University of Southampton, United Kingdom

Clean Safe coating

Steel sheet with plastisol coating of 250mm width and with antibacterial, antigerm coating made in Germany.

Certified mechanisms for effective extermination of germs such as bacterial, fungus (including mold) and virus up to 99%.

- Long term protection and hygiene
- Protection against various types of bacterial, such as Staphylococcus, Salmonella, Escherichia coli, listeria and more.
- Double action, prevents germ growth and kills the existing ones



Antimicrobial copper handles

It is scientifically and clinically proven that copper handles provide maximum antimicrobial protection, killing 99.9% of bacteria within 2 hours. Research shows that copper antimicrobial surfaces reduce the risk of infections by more than 40%, and that they destroy the viral genomes of the new SARS COVID-19 coronavirus to inactivate it.

Advantages:

- Ongoing action: bacteria and viruses that cause infections in humans are constantly neutralized.
- High durability: their effectiveness is not reduced.

Copper 100% recyclable material

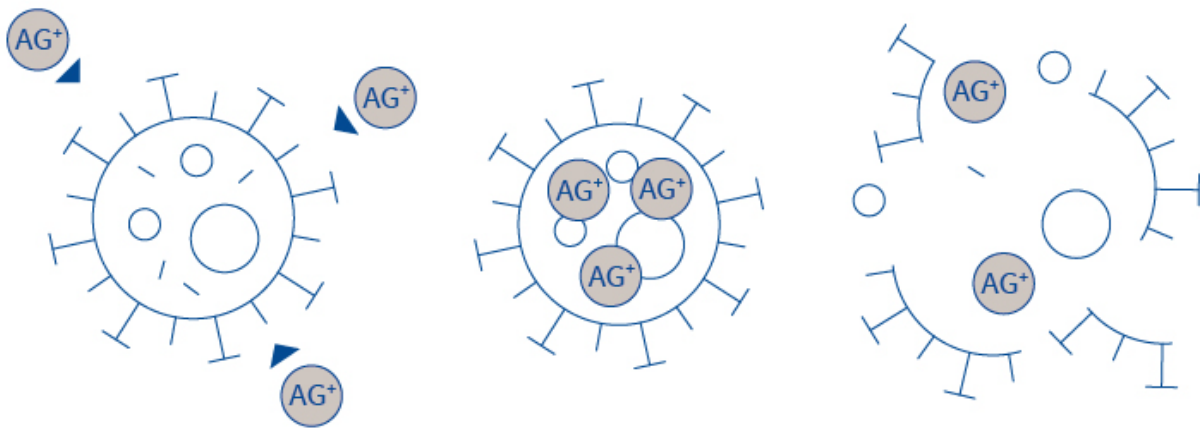
Copper meets 100% of the requirements of the United Nations Program (UNEP) for the protection of the environment. Copper, after use and application, can be returned to the natural environment as it is, and then reused. Antimicrobial copper is used by leading manufacturers to certify their products as the most effective in antimicrobial protection of touch surfaces.



Antimicrobial handles shutters for hinged cold storage doors with silver ions SILVER IONS.

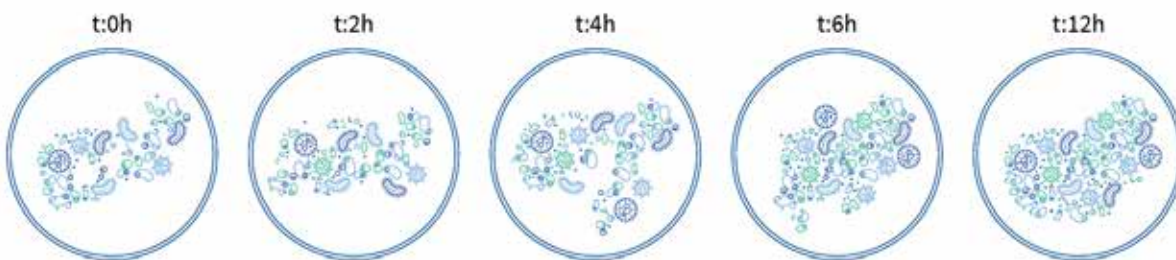
Thanks to SILVER IONS technology, infections transmitted by the handles that are touched by anyone can be stopped. Scientifically proven antimicrobial technology offers effective long-term protection against pathogenic bacteria, fungi, mold, odors and viruses up to 99.99% (ISO 22196:2011), minimizing the risk of infection. The silver ions on the handle destroy the cell membrane of the microbes and prevent their cellular respiration and reproduction.

The microbes stop dividing and they die.

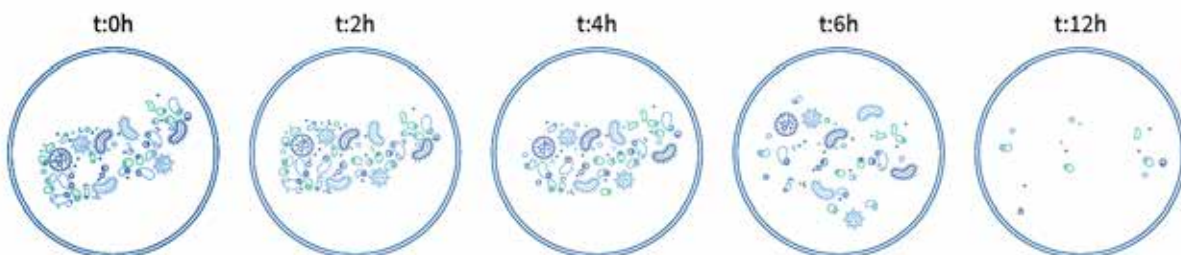


The controlled release mechanism of silver ions allows to ensure the characteristics for a long time, even after multiple wash cycles resulting in guaranteed efficiency.

STANDARD shutters - Cultivation Test



Shutter with SILVER IONS - Cultivation Test





Antimicrobial Clean Room Door

Antimicrobial Clean Room door with handle from antimicrobial copper.



- Cold storage and special doors fully constructed of stainless steel. Benefits of opting for stainless steel doors:
- **Resistance to corrosion** - stainless steel may be used as prime material in products made for use in moisture, direct contact with water. Inox Doors are made of stainless steel SS304 and are extremely resistant to fats, acids, alkalis, chlorine solutions and other compounds that are widely used in food industry.
- **Hygiene** - stains are easily removed from stainless steel that is unaffected by corrosive substances. It is recommended for use in specific areas, for example kitchens, food processing facilities, cold storages, etc.
- **Appearance** - clear, glossy surface ensures an unique style. Aesthetics can be also get enhanced by stainless steel surface finishes with circular decorative design on all the cold storage and special doors.
- **Durability** - because of its properties, stainless steel has infinite lifetime compared with conventional materials. Therefore, despite higher cost, within a long-term time-frame in highly acid environments (dairy and meat processing), inox storage doors are often the cheapest solution.
- **Environmentally friendly** - stainless steel waste is recyclable.



Sliding door from stainless steel
with circular design



Smooth Stainless Steel Surface

Stainless Steel Surface with Circular Design





Hook rail passage for meat transfer for cold storage and swing doors

The height of the opening of the upper door section for the passage of the rail is set from the movement bar and is usually from 2000 to 2600 mm.

The sliding driver is made of stainless steel like the system of movement, also stainless steel, so that the transfer of meat is not interrupted. The wicket is covered by two curved gaskets.



SPECIAL DOOR SOLUTION



SPECIAL DOORS

SWING POLYETHYLENE 62

SWING FROM PU PANEL 68

OFFICE - SERVICE 72

CLEAN ROOM 76

FAST ROLL 84



Swing doors of double movement inside-out, single or double leaf, made of German polyethylene sheets with stable oval porthole (fixed window) and reinforced with protective bars to absorb shocks from carts, pallet trucks & forklifts. High density polyethylene is a non-toxic foodsafe material with excellent rigidity and resistance to impact. Unaffected from knocks.



- Made of high density polyethylene 15mm thickness (made in Germany) with oval window & same material protection bars for strikes' absorption.
- PVC frame-counter frame (CPR system). In accordance with HACCP standards. EASY-PASS (quick & easy assembly).
- Suitable for laboratories, halls for preparation & packaging of food, warehouses etc.
- Swing doors have special hinges and they stay open on demand at 90° angle.
- They close automatically after the entrance, and they block dirt, bugs, odours etc.
- High endurance to strikes from pallets, clarks, etc.
- Extremely resistant to fats, acids and cleaning agents.
- Available in a wide range of colours.
- Five (5) years guarantee.
- Long life without maintenance costs.

OPTIONS



Protective bumper from polyethylene (standard)



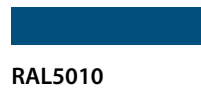
Aluminum door frame



Stainless steel hinge



RAL3000



RAL5010



RAL7024



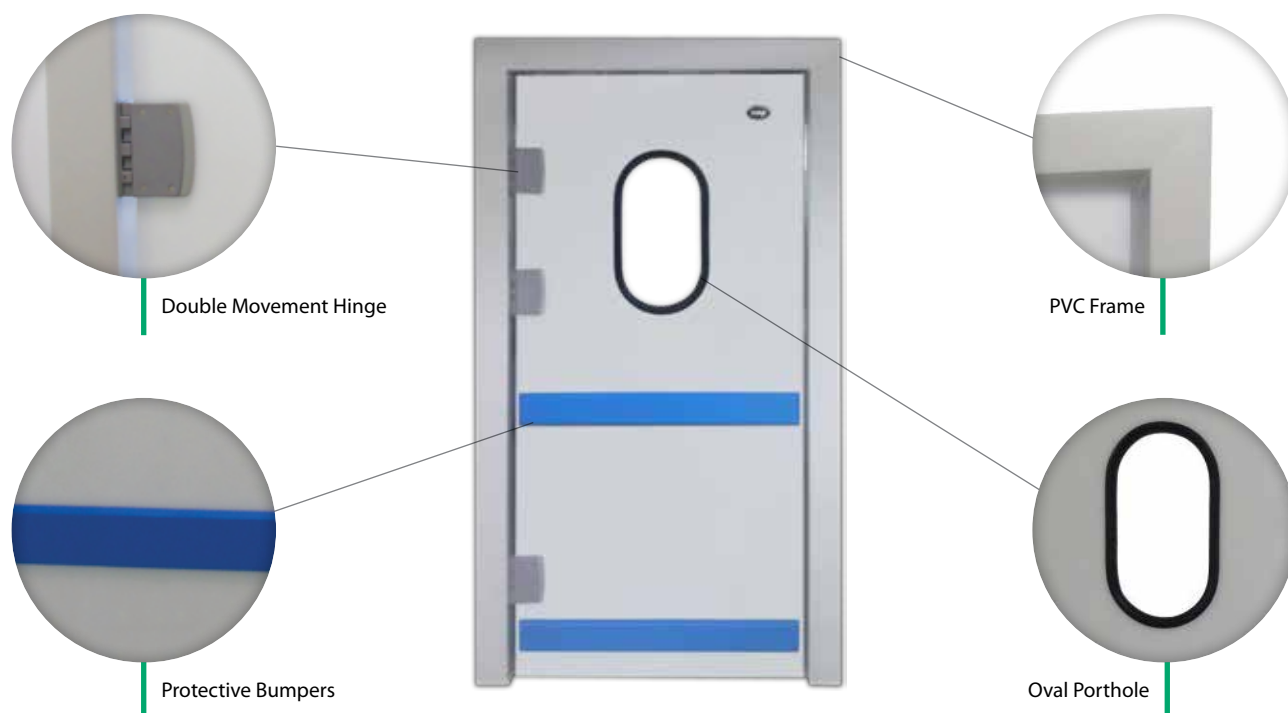
RAL7037



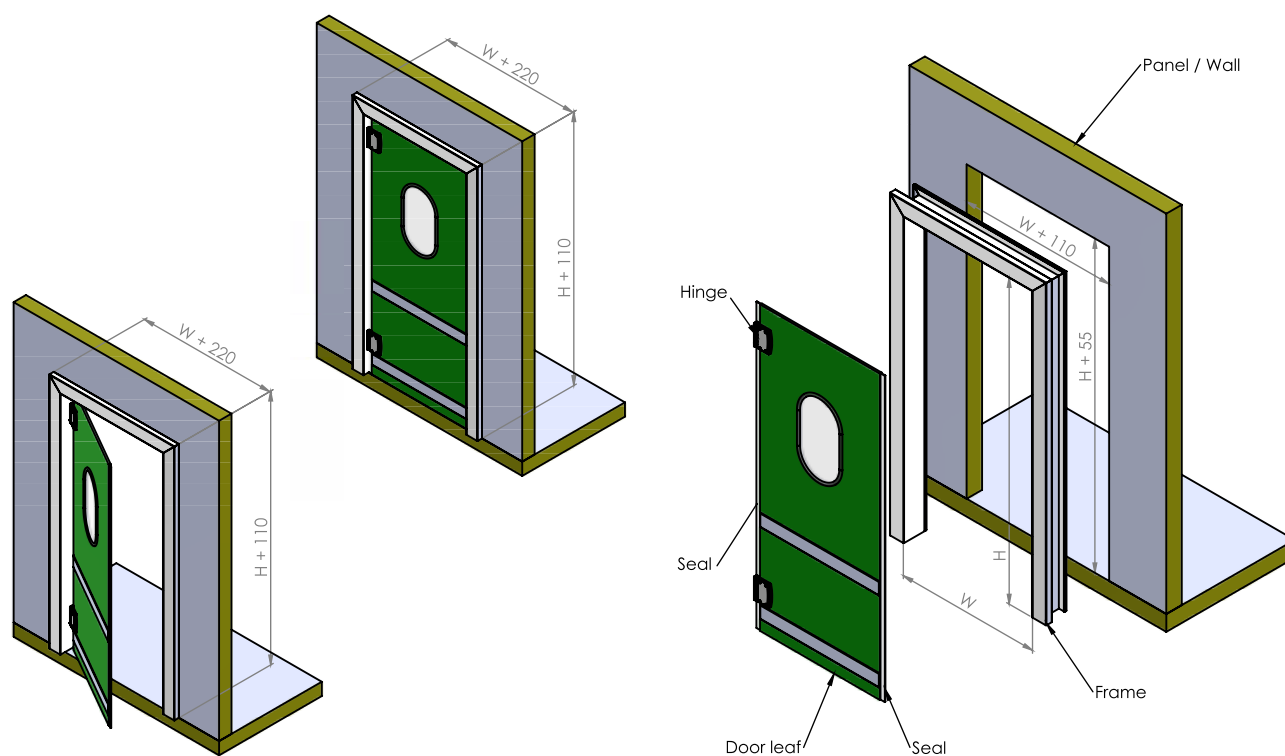
RAL9010

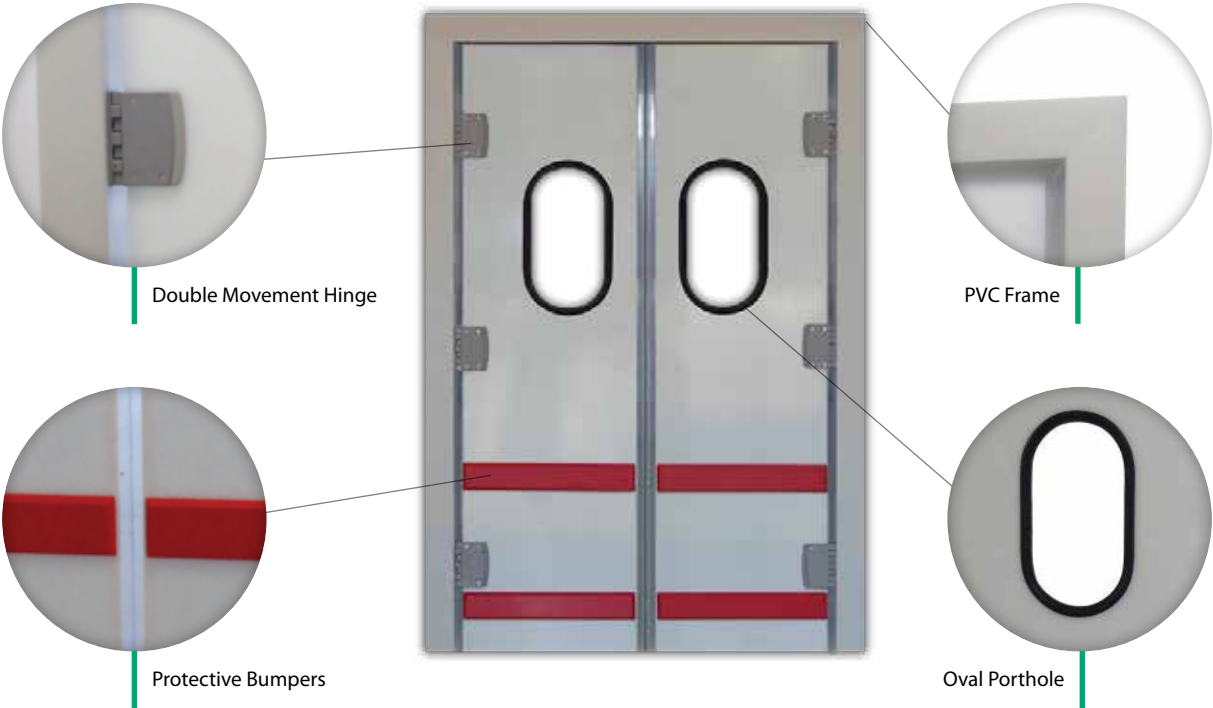


Hallway with swing polyethylene doors

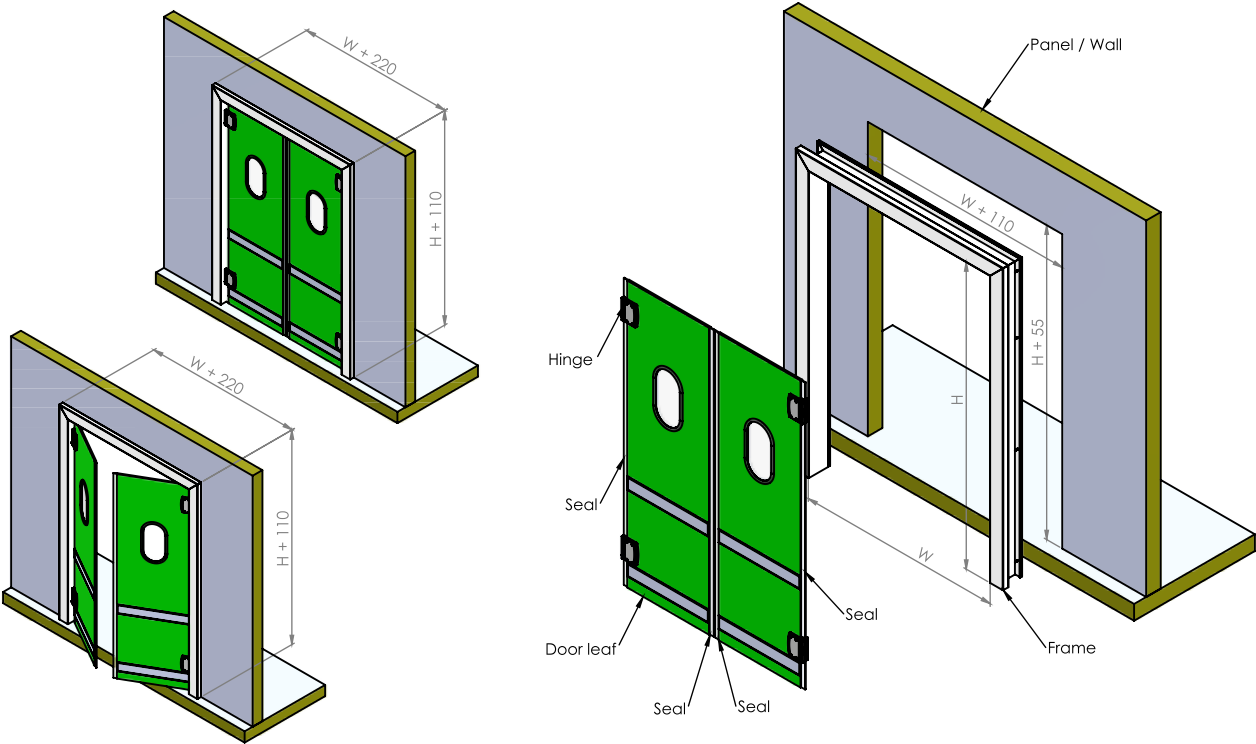


SINGLE LEAF TECHNICAL DRAWING





DOUBLE LEAF TECHNICAL DRAWING



	MOD FF1	MOD FF2
Application		
Single Leaf	●	
Double Leaf		●
Net Opening Dimensions (mm)*		
Minimum Width	800	1200
Minimum Height	1900	1900
Maximum Width	1200	2200
Maximum Height	2500	2500
Options		
Oval Porthole	●	●
Protective Bumpers	●	●
Door Opening 180°	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.

POLYETHYLENE SPECIFICATIONS

General properties			
Density	0.95	g/cm ³	DIN EN ISO 1183-1
Flammability	3mm/6mm	HB/HB	UL 94
Water Absorption	<0.01	%	DIN EN ISO 62
Mechanical properties			
Yield stress	22	MPa	DIN EN ISO 527
Elongation at break	>50	%	DIN EN ISO 527
Tensile modulus of elasticity	800	MPa	DIN EN ISO 527
Notched impact strength	12	kJ/m ²	DIN EN ISO 179
Shore hardness	63	Skala D	DIN EN ISO 868
Thermal properties			
Melting temperature	135	°C	ISO 11357-3
Thermal conductivity	0.40	W/(m*K)	DIN 52612-1
Thermal capacity	1.90	kJ/(m*K)	DIN 52612
Coefficient of linear thermal expansion	150-230	10 ⁻⁶ K ⁻¹	DIN 53752
Max. service temperature, long term	80	°C	Benchmark
Max. service temperature, short term	100	°C	Benchmark
Heat deflection temperature	67	°C	DIN EN ISO 306
Electrical properties			
Dielectric constant	2.40		DIN IEC 60250
Dielectric dissipator factor	6*10 ⁻⁴		DIN IEC 60250
Volume resistivity	>10 ¹⁴	Ω*cm	DIN IEC 60093
Surface resistivity	>10 ¹⁴	Ω	DIN VDE 0303-3
Comparative tracking index	600		DIN IEC 60112
Dielectric strength	45	kV/mm	DIN IEC 60243
	Value	Unit	Test method



Swing Polyethylene Door

Double leaf swing door from german polyethylene sheets with portholes.



SINGLE LEAF



DOUBLE LEAF

Swing doors of double movement inside-out, single or double leaf, from BAYER Germany polyurethane panels of 40mm, free of chlorofluorocarbons (CFC & HCFC FREE), with sound insulation and thermal insulation properties. The thickness of the door is 40mm, lined with galvanized German steel sheets coated with plastisol of 200 microns thickness and bearing perimetric aluminum profile mounted opposite and pressed together with the polyurethane in order to maintain the door always flat.



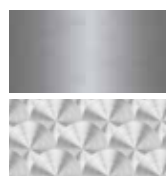
SWING FROM PU PANEL

- A special insulating EPDM rubber with excellent grip is placed on the outer perimeter of the door.
- It is adapted to the panel with a frame from angular PVC and CPR counter frame, embracing solidly the panel on which the leaves of the door are mounted.
- They open inside-out and close immediately "after passing", blocking the passage of insects, dust, odors & other and they remain open to 90 degrees angle.
- Each door has fixed oval porthole mounted and special protective bumpers from polyethylene, specially designed for the protection of the impacts from the personnel, under the porthole and inside – out. These bumpers are extremely resistant to impact, grease and acids and are of modern design and high aesthetics.
- Upon request, kick plate of stainless steel AISI 304 inox can be mounted at the bottom with textured surface, to protect from potential impacts from pallet trucks, and for aesthetic reasons.
- For the cold room vestibules we use swing doors with hook rail for the passage of the meat.
- High impact resistance.

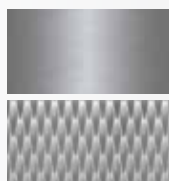
OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)



Stainless steel smooth or textured kick plate to
reduce the appearance of marks from strikes



Folded bumper from
polyethylene



Aluminum door frame



Stainless steel hinge

AVAILABLE COLORS



RAL3001



RAL5015



RAL6026



RAL7016



RAL7037



RAL9002



Pebbled

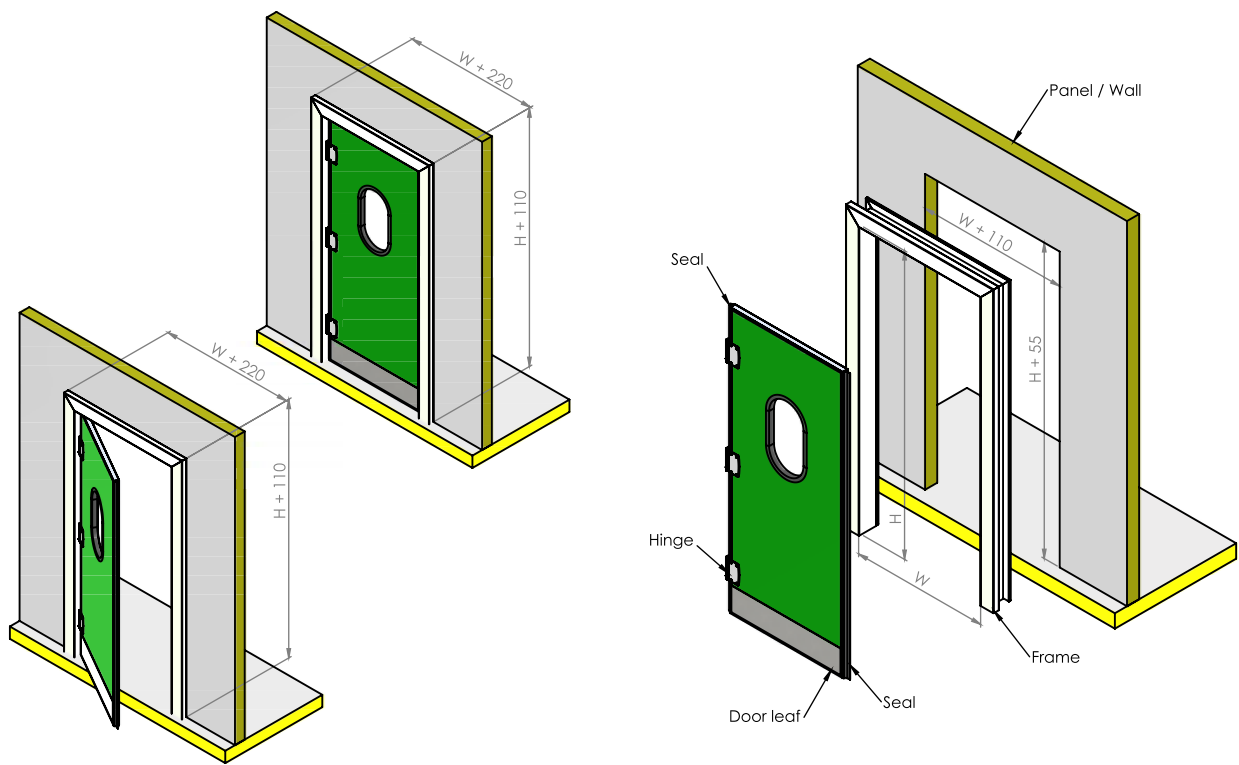


	MOD FFPU1	MOD FFPU2
Application		
Single Leaf	●	
Double Leaf		●
Net Opening Dimensions (mm)*		
Minimum Width	800	1200
Minimum Height	1900	1900
Maximum Width	1200	2200
Maximum Height	2500	2500
Options		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Oval Porthole	●	●
Folded Protective Bumper	○	○
Inox Kick Plate	●	●
Door Opening 180°	○	○

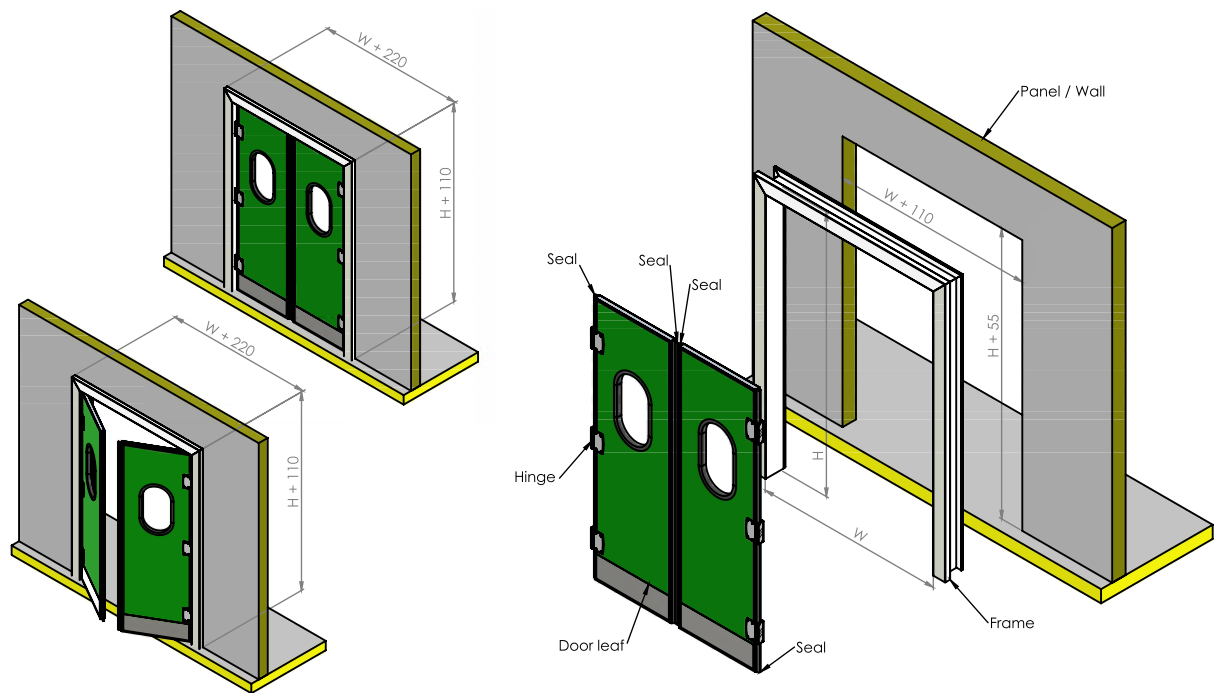
● Standard
○ Optional

* For custom dimensions contact with A. Motors office.

** Colors other than white come with extra charge.



DOUBLE LEAF TECHNICAL DRAWING





The service and office doors are used for locker rooms, offices, pharmaceutical companies, hospitals. They are absolutely leakproof with polyurethane insulation, single and double leaf, with lock and stainless handle with U shape. Contemporary design and aesthetics, soundproofing and thermal insulation doors.

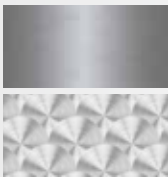


- Stainless steel handle mechanism in U-shape.
- Lock & hinges.
- Modern design and construction for soft, easy and noiseless closing without problems.
- Single section (monoblock) door.
- Polyurethane insulation thickness of 40 mm from BAYER fire retardant Germany.
- Aluminum perimetral door frame with counter frame system that embraces each panel thickness. In accordance with HACCP standards. EASY-PASS (quick & easy assembly).
- Door surface made from German steel sheets 30% thicker than the competition, plasticized to a thickness of 200 µm with Sanitary Steel film coating with antibacterial properties.
- Aluminium perimetric door frame, placed against the structure.
- Border gaskets of german origin, insulating properties with Beehive cells and perfect adhesion.
- Five year written guarantee.
- Wide colour range.

OPTIONS



Plastified sheet
(standard)



Stainless steel sheet
(optional)



Window 300x500mm



Antipanic push bar for emergency
exit



Floor Airlock



Door Closer

AVAILABLE COLORS



RAL3001



RAL5015



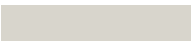
RAL6026



RAL7016



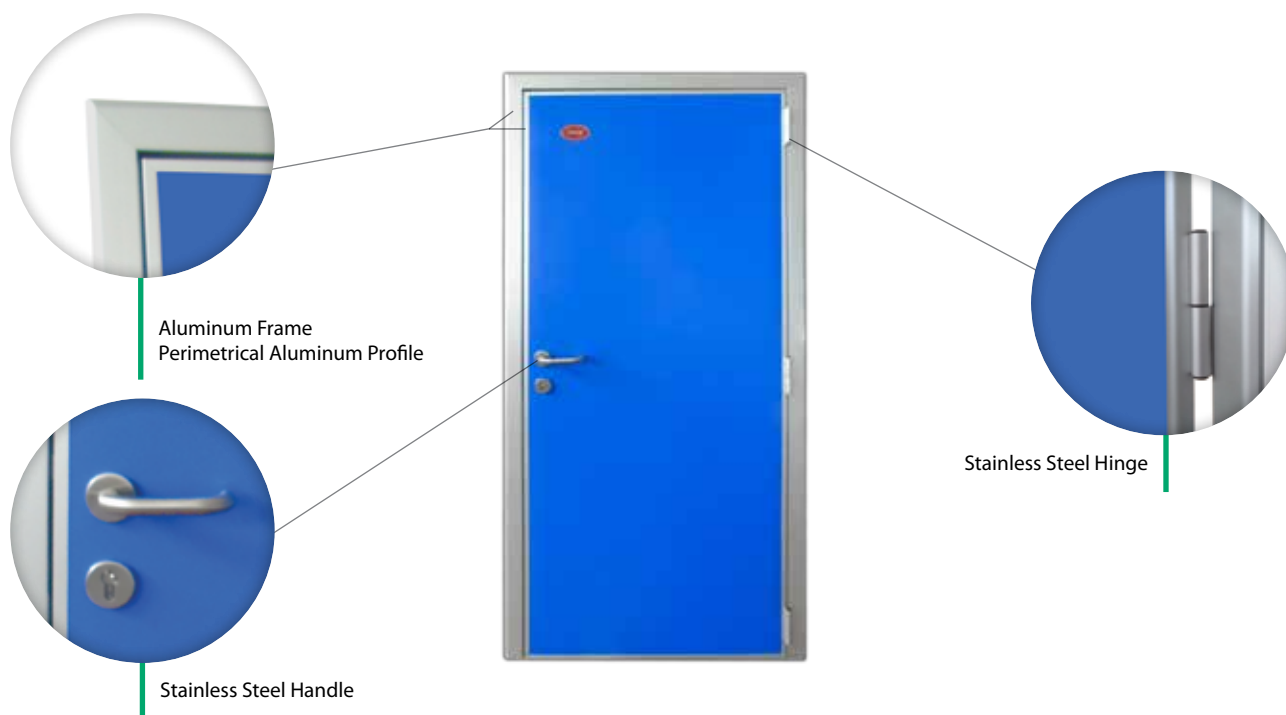
RAL7037



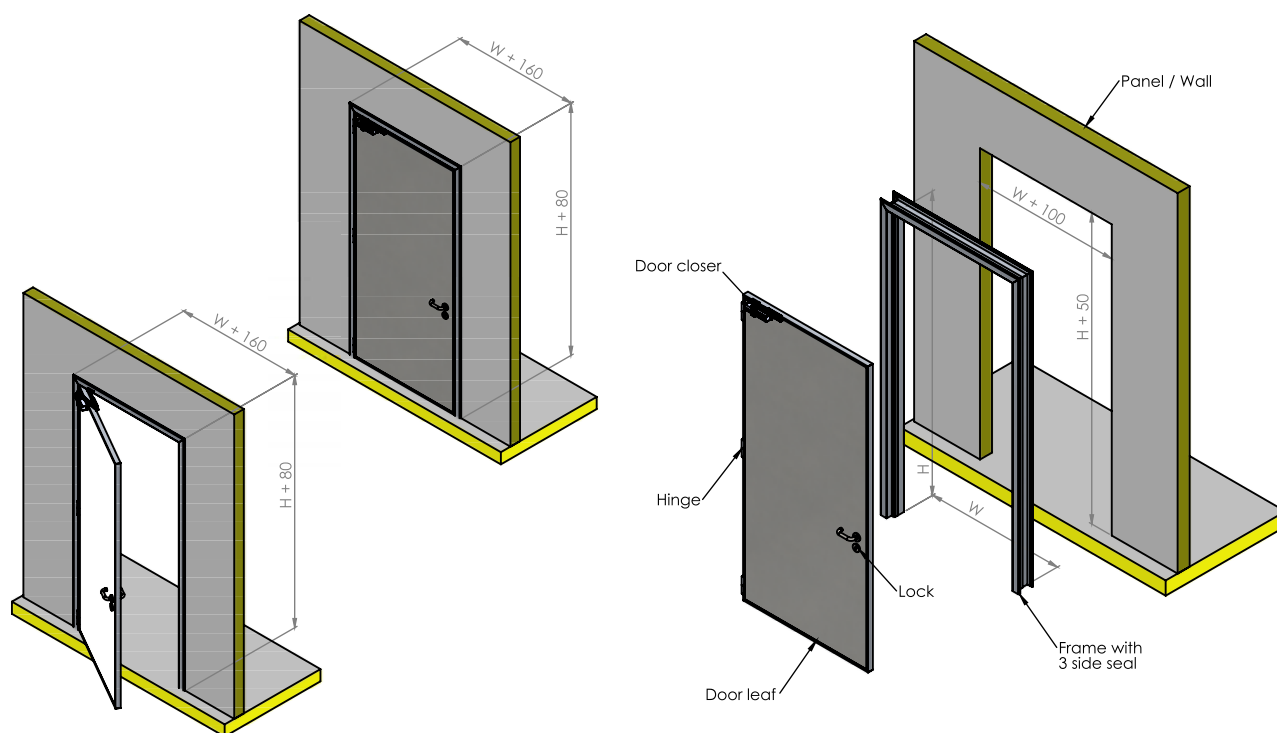
RAL9002

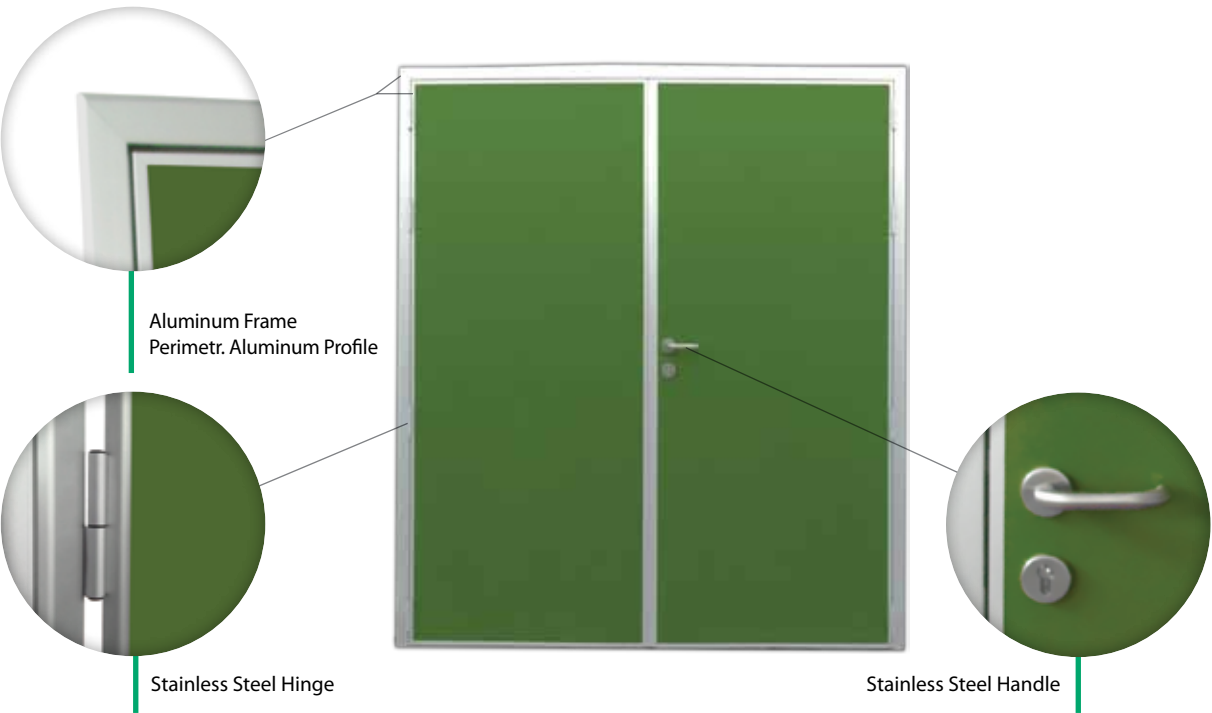


Pebbled

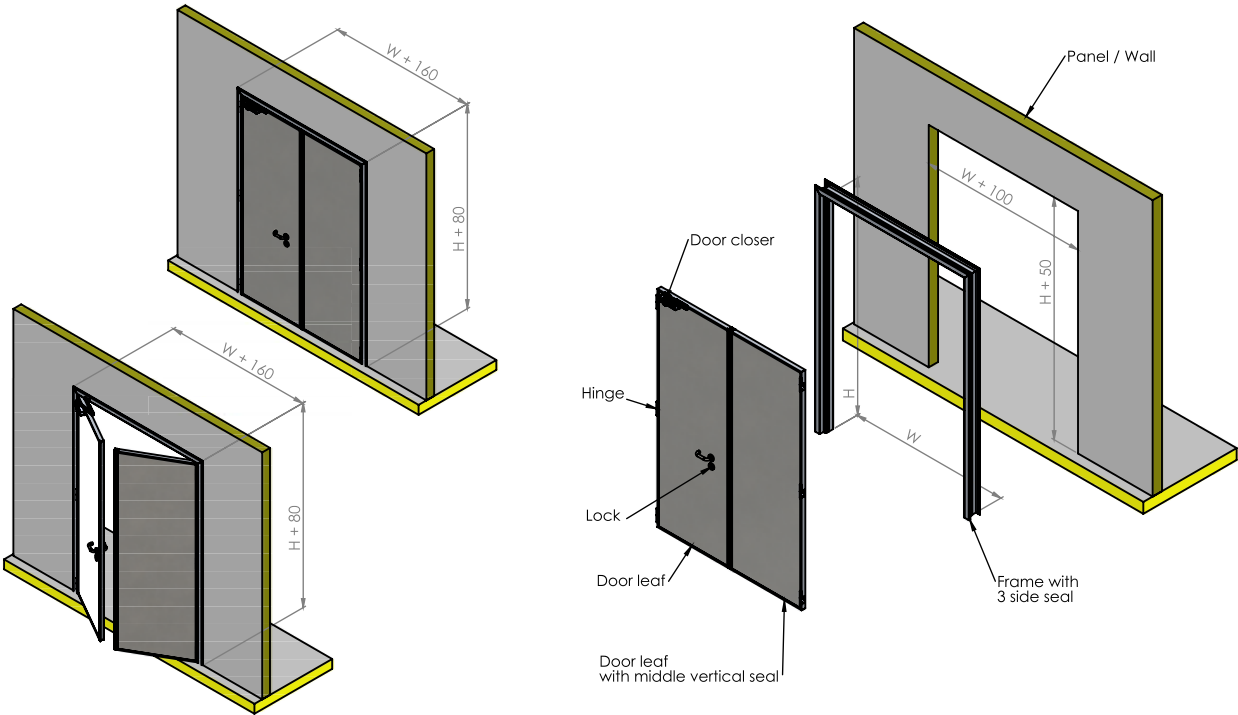


SINGLE LEAF TECHNICAL DRAWING





DOUBLE LEAF TECHNICAL DRAWING





SINGLE LEAF



DOUBLE LEAF

The clean room doors for sanitary applications carry a special coating film with antibacterial properties. An antibacterial action is activated on environmental conditions that usually favor the proliferation of bacteria, fungi and algae.

Applications: pharmaceutical industry, hospitals, clinics, clean rooms, surgeries, food preparation workshops with certified antibacterial coating.

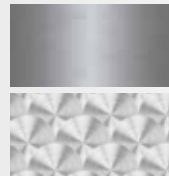


- The coating of clean room doors offers proven effectiveness against different types of bacteria such as staphylococcus, salmonella, escherichia coli, listeria etc. Certified specifically for food with the Certificate of EU Food Contact Compliance 2002/72 / EC.
- This antibacterial coating has a dual effect, prevents the growth of bacteria and fights those that may have been created. The steel sheets with polyester coating with antibacterial properties, offer long-term protection and hygiene, even in places where cleaning is not guaranteed.
- Airlock dropdown seal that it includes an aluminum profile guide, EPDM rubber (resistant to temperatures from – 35 °C to + 90 °C) and supporting materials well reinforced to withstand more than 200,000 door openings-closings.
- The mechanism works with a switch which regulates the movement of the profile with the rubber, thus adapting to the floor every time you open and close the door.

OPTIONS



Sheet with smooth antimicrobial coating (standard)



Stainless steel sheet (optional)



Window 300x500mm



Antipanic push bar for emergency exit



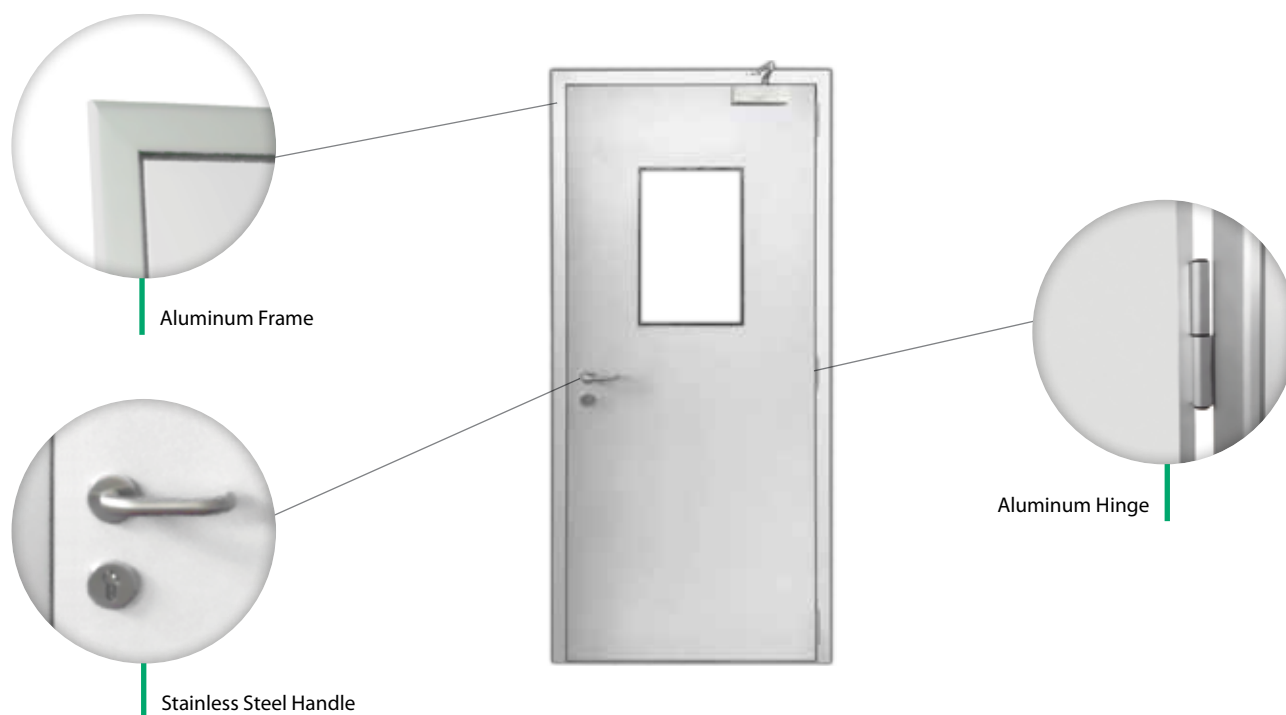
Floor Airlock (standard)



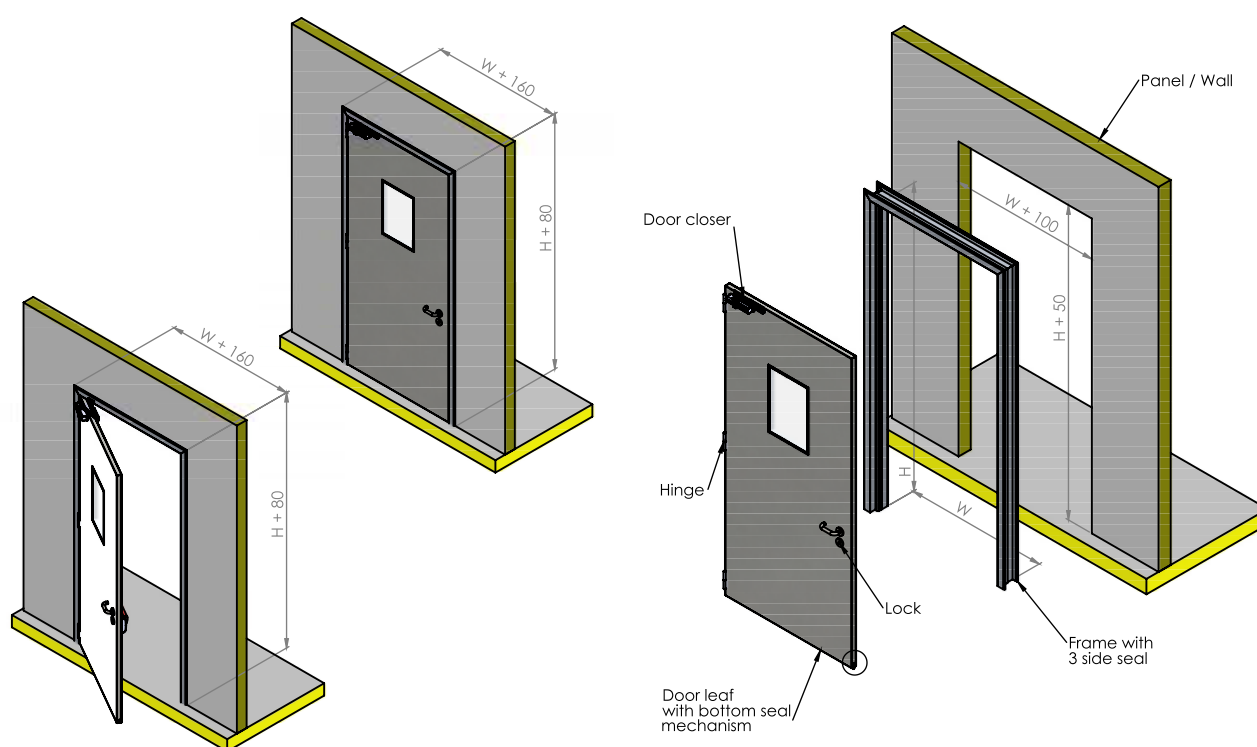
Door Closer

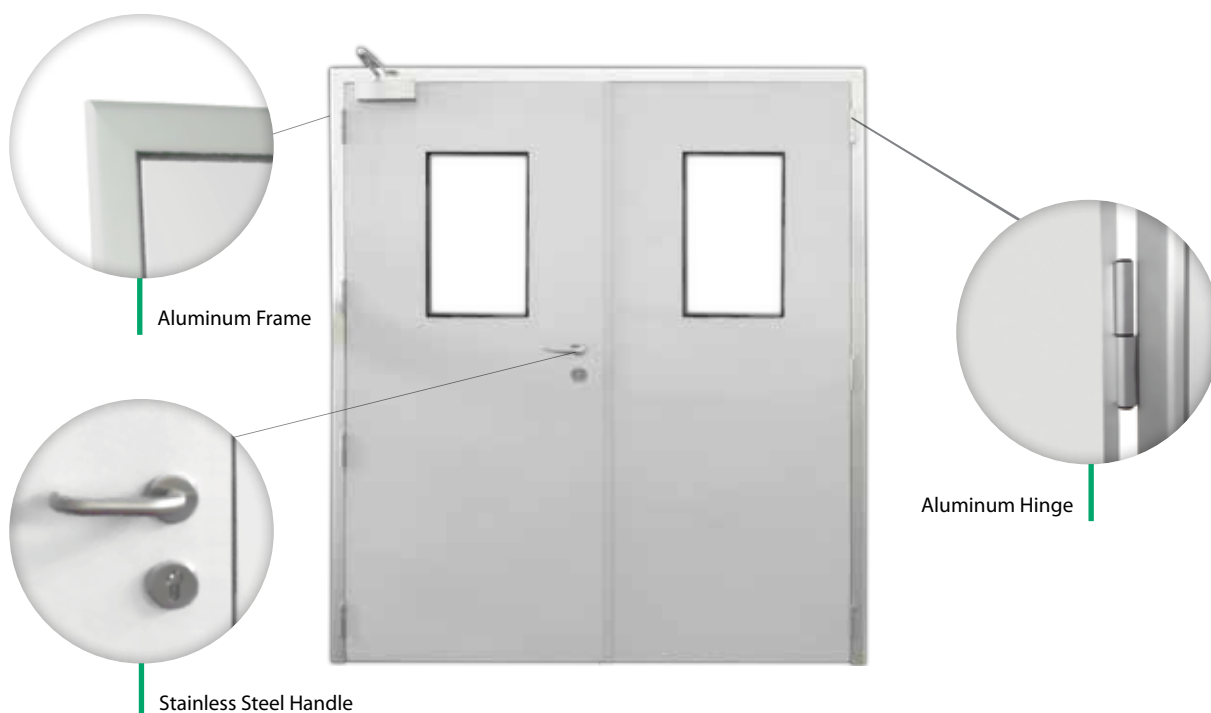


Aluminum door frame

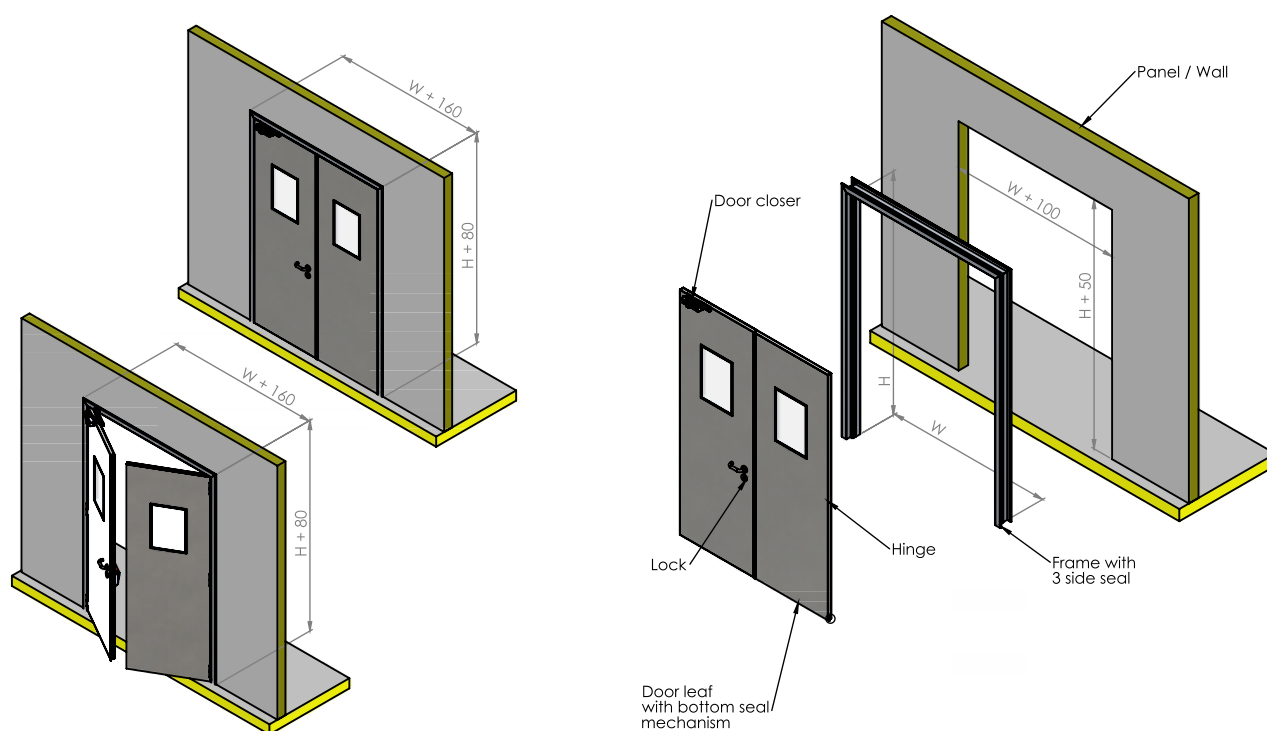


SINGLE LEAF TECHNICAL DRAWING

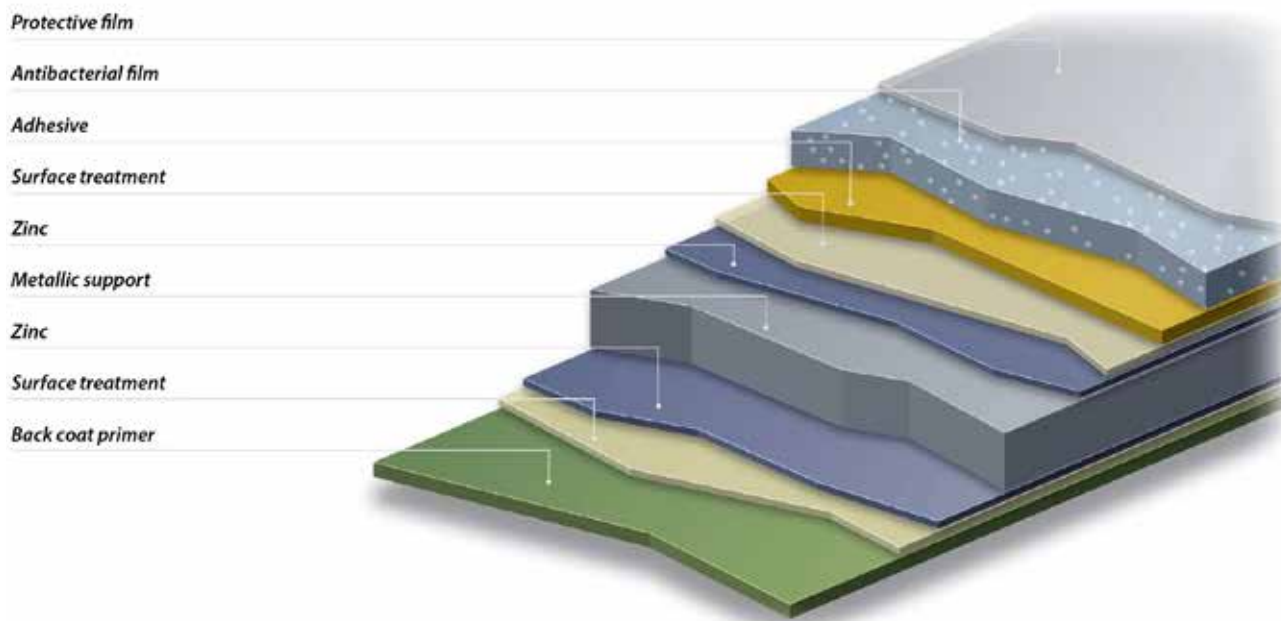




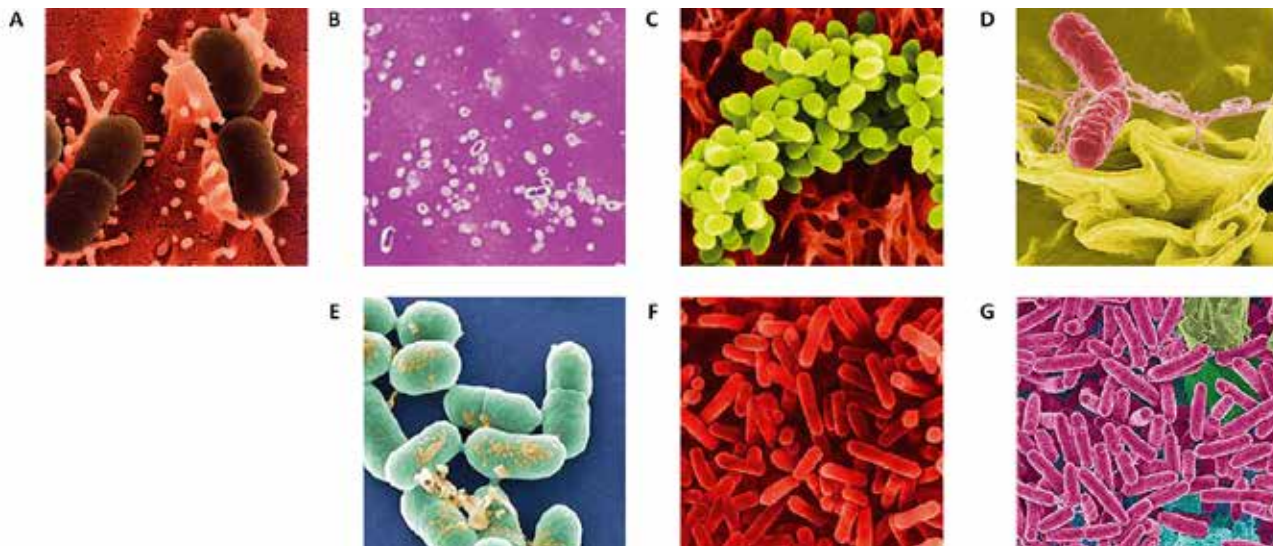
DOUBLE LEAF TECHNICAL DRAWING



Certified antibacterial coating for clean room doors. The steel sheets with plastic coating with antibacterial properties, offer long-term protection and hygiene, even in places where cleaning is not guaranteed. The coating of clean room doors offers proven effectiveness against different types of bacteria such as staphylococcus, salmonella, escherichia coli, listeria etc.



ISO 22196:2007 - ASTM E 2180-07 - JIS Z 2801				Satisfy all the norm requirements, showing great antibacterial action
➤ Escherichia Coli	(A)	ATCC8739		
➤ Klebisella pneumonie	(B)	ATCC10031		
➤ Staphylococcus aureus	(C)	ATCC15442		
➤ Salmonella typhimurium	(D)	ATCC6538		
➤ Listeria monocytogenes	(E)	ATCC13311		
➤ Legionella pneumophila	(F)	ATCC19117		
➤ Pseudomonas aeruginosa	(G)	ATCC43108		



Interlock systems are designed to provide a safe, efficient and convenient means of opening and closing doors in a controlled environment such as a clean room. Our Interlock System is a fail Safe electric bolt suitable for clean room doors. Patented and tested on 500.000 operations.



Build-in Photoelectricity control and low temperature design.

- Photoelectricity Controlling, no mechanical defect.
- Low Temperature, safe & Durable.
- Low Power, Environmental Protection.
- Long Life with 500.000 Operations.
- MOV Provides Reverse Current Protection.
- Special photoelectricity control, three steps current application.
- The humanized design of Led helps to indicate the working status of lock.
- The applying of kirsite and Stainless Steel prevent the lock from high temperature, corrosion or damage.
- With complete accessories, available for any doors.
- Certificate: CE & MA.

	MOD 504PS	MOD 504CR
Application		
Office - Service	●	
Clean Room		●
Net Opening Dimensions (mm)*		
Minimum Width **	800	800
Minimum Height	1900	1900
Maximum Width **	1200	1200
Maximum Height	2200	2200
Options		
Plastified Surface ***	●	●
Inox Surface	○	○
Full Inox	○	○
Porthole 300x500mm	○	●
Panic Bar	○	○
Floor Airlock Seal	○	●
Door Closer	○	●

- Standard
○ Optional

* For custom dimensions contact with A. Motors office.

** For width greater than 1200mm double leaf door is used.

*** Colors other than white come with extra charge.

EXTRA OPENING OPTIONS FOR CLEAN ROOM



- 1a. Antimicrobial opening handle
- 1b. Antimicrobial pull lever
- 1c. Antimicrobial push plate
- 1d. Antimicrobial bull knob
- 1e. Stainless steel bull knob
- 2a. Opening with button
- 2b. Opening with button or smartphone





Office - Service Door

Soundproof - thermalproof polyurethane (PU) office - service doors for areas with many offices.



The fast roll door is the ideal solution for separate areas and departments, commercial and industrial buildings with wind resistance Class 3. Does not include inner horizontal metal bars, that could cause injury.

















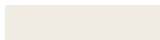


- Metal structure, with toggle at the top and winding axis aligned with side bearings, supported by vertical columns that include sliding drivers of polizene (high molecular density material), self-lubricated, suitable for the rolling the hinges - zipper.
- Fast roll door bring polyester fabric coated with PVC on both sides, with strong construction and durability, weight 1300gr/m² and thickness 1,3mm, self-extinguishing Class 2 EN ISO 2060 with resistance at temperatures from +70 °C to -10 °C. The side edges seal at the drivers of zipper type.
- The PVC fabric is available in various colors and includes portholes at the eye level of the average man, from transparent crystal material with protection from UV radiation, and wireless security sensing in a housing mounted on the bottom edge. Does not include inner horizontal metal bars, that could cause injury.
- The motion of the winding axis is via three-phase electric motor 380 V - 50 Hz as standard IP 55 CE, with gearmotor and electric brakes, suitable for continuous use, 220 V power supply with inverter with multiple settings (such as speed of opening-closing, feature of partial opening, slowdown at the end of the track in the opening-closing, time adjustment of automatic shutdown, etc.).
- The settings are made via handheld micro computer in few minutes, versus the doors of the competition that require settings manually and mechanically, with repeated and time consuming trials until you achieve the desired result.
- Maximum opening speed is 2,5 m/sec (adjustable according to choice).
- The fast roll door is repositionable automatically at the drivers, i.e. in case of accidental possible impact, the fabric comes out of the side guides and when the winding begins it reenters to the drivers without any external intervention.

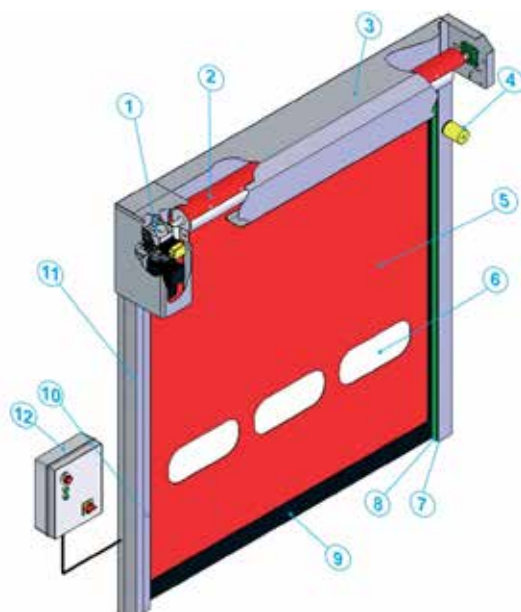
INCLUDED:

- Manual safety device for the opening of fast roll door in case of power failure.
- An electrical panel, dimensions 300 x 400 x 150 mm, with internal card door and lock system, with led fault alarm display and opening-closing emergency button with degree of protection IP 56.
- A set of infrared safety photocells adjustable through 180°.
- A signage flashing light of motion of the door IP 55 CE.
- An opening-closing inner control button IP 65 CE.

AVAILABLE COLORS

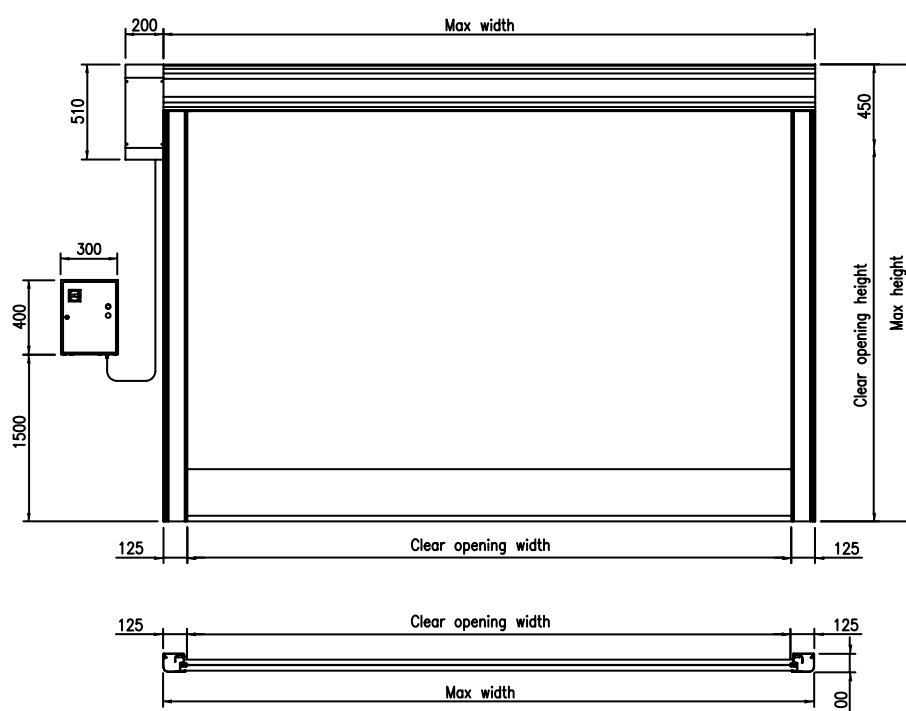
					
RAL1013	RAL1015	RAL2004	RAL3002	RAL5002	RAL5010
					
RAL5012	RAL6018	RAL6026	RAL7016	RAL7035	RAL7037
					
RAL7042	RAL8017	RAL9005	RAL9006	RAL9010	

1. Winder Motor
2. Winder Roller
3. Upper Guard
4. Flashing Light
5. PVC Fabric
6. Window



7. Side Guide
8. Plastic Latches
9. Sensitive Edge
10. Light Curtain
11. Frame
12. Control Panel

TECHNICAL DRAWING



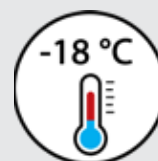


Project with multiple fast roll doors

	MOD FRD	MOD FRD-INX	MOD FRD-CR
Application			
Industry	●		
Food Processing		●	
Cold Storage			
Clean Room			●
Net Opening Dimensions (mm)*			
Minimum Width	1500	1500	1500
Minimum Height	2000	2000	2000
Maximum Width	6000	4000	2000
Maximum Height	8000	6500	4500
Options			
Galvanized Frame	●		
Inox Frame		●	●
Portholes	●	●	●
Remote Control	○	○	○
Motion Detector	○	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.



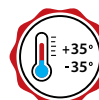
Self-repairing

The cold room fast roll door is the ideal solution for separating cold rooms in industrial buildings with Class 2 air resistance.

The door is suitable for low temperatures down to -18 °C with a maximum outside temperature of +2 °C, with thermal break and continuous insulation throughout the curtain. Suitable for environments with a maximum humidity of 30%.

Internal horizontal metal bars not included, which may cause injury.

The automatic doors comply with EN 13241-1. CE safety marking.



- Metal structure, with traverse at the top & aligned winding shaft with side bearings, supported by vertical columns including HDPE (high molecular density material) drag guides, heated with resistance wire to prevent ice, self-lubricating, suitable for dragging hinges - zippers.
- The swing door shall be fitted with PVC coated polyester fabric on both sides with polyethylene foam insulation, of strong construction and durability, weighing 1300gr/m² and 18mm thick,. The door operates at temperatures down to -18 °C with a maximum outside temperature of +2 °C. The side edges seal on the zip-type guides.
- The PVC fabric is available in various colours and includes a wireless safety sensor mounted in a pouch at the bottom edge. Internal horizontal metal bars, which may cause injury, are not included.
- The winding shaft is driven by a three-phase electric motor 380 V - 50 Hz as IP 55 CE standards, with electromotor and electro-brakes, suitable for continuous use, 220 V power supply with inverter with multiple settings (such as opening-closing speed, partial opening possibility, deceleration at the end of the opening-closing travel, automatic closing time setting, etc.). The electrical panel is fitted with special thermal resistors.
- Adjustments are made via hand-held microcomputer in a few minutes, compared to competitive doors that require manual and mechanical adjustments, with repeated time-consuming tests, until the desired result is achieved.
- The maximum opening speed is 1 m/sec (adjustable by choice) and the maximum closing speed is 0,6 m/sec.
- The geared door is automatically repositioned on the guides, i.e. in the event of an unintentional forceful impact, the fabric is removed from the side guides and when winding starts it is returned to the guides without any external intervention.



Cold storage fast roll doors on cold rooms




















Freezer fast roll door is a self-repairing roll up door made up of 2 flexible curtains, divided by 200mm and when in closed position create an insulated air barrier.

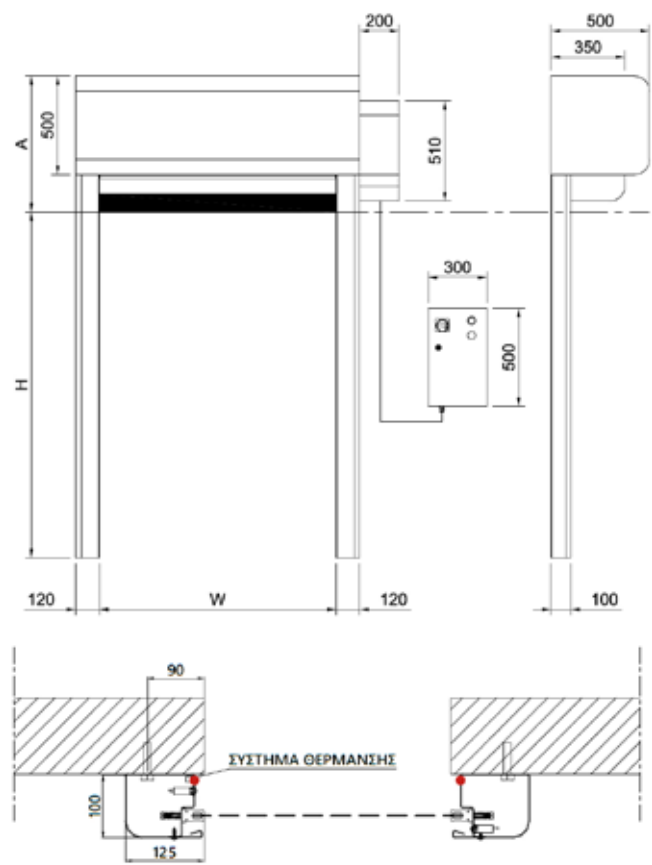
This technology makes the door ideal to meet the refrigeration field needs, where it's often needed to separate environments with positive temperature and negative one, avoiding the condensation and icing, situation dangerous for workers and for proper operation of door itself.

This door can be installed both in positive and negative temperature and it's a guaranteed of safety for workers and means, due to the specifically designed zip guide system that allows the curtain to exit the guides in the event of impact and reinsert in one cycle.

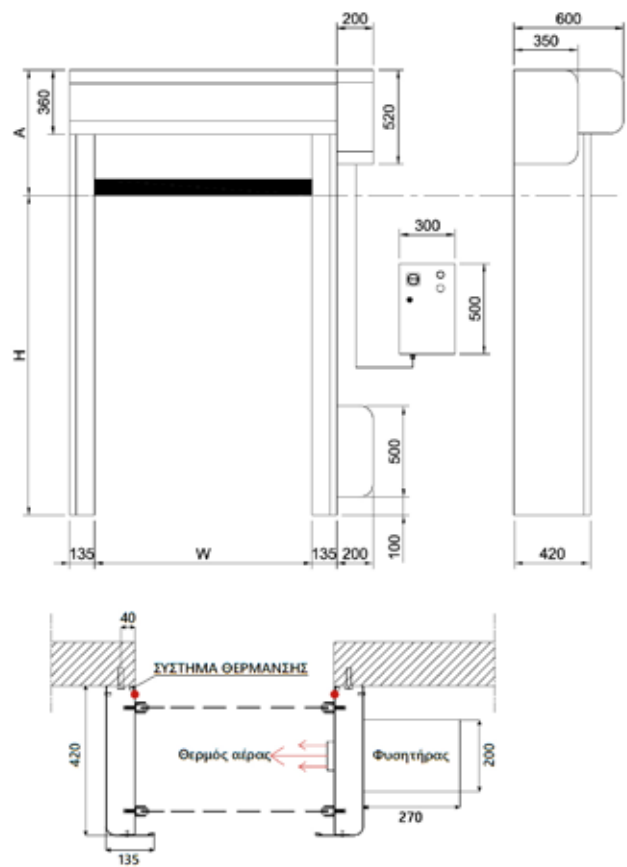
Max opening speed up to 1,8 m/s. Closing speed 0,8 m/s.

AVAILABLE COLORS

					
RAL1013	RAL1015	RAL2004	RAL3002	RAL5002	RAL5010
					
RAL5012	RAL6018	RAL6026	RAL7016	RAL7035	RAL7037
					
RAL7042	RAL8017	RAL9005	RAL9006	RAL9010	

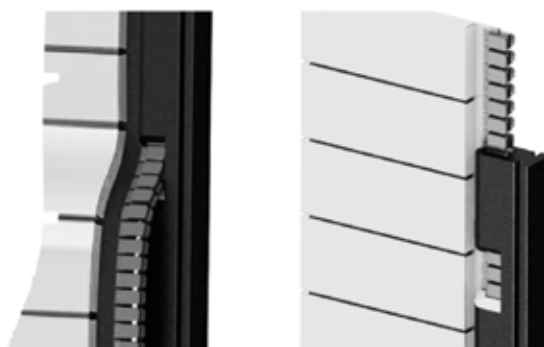


FREEZER TECHNICAL DRAWING



INCLUDED:

- Manual safety device for the opening of fast roll door in case of power failure.
- An electrical panel, dimensions 300 x 400 x 150 mm, with internal card door and lock system, with led fault alarm display and opening-closing emergency button with degree of protection IP 56.
- A set of infrared safety photocells adjustable through 180°.
- A signage flashing light of motion of the door IP 55 CE.
- An opening-closing inner control button IP 65 CE.
- Heater on electrical components and mechanical, heating cable 30W per linear meter (for freezer door)
- Heater in air space with warm air blower 2,35 (for freezer door)

SLIDING SYSTEM

	MOD RGC	MOD RGF
Application		
Chiller	●	
Freezer		●
Net Opening Dimensions (mm)*		
Minimum Width	1500	1500
Minimum Height	2000	2000
Maximum Width	4000	6000
Maximum Height	4500	7000
Options		
Galvanized Frame	●	●
Inox Frame	○	○
Portholes		○
Remote Control	○	○
Motion Detector	○	○

● Standard
○ Optional

* For custom dimensions contact with A. Motors office.



CUSTOMER CARE

ACCESSORIES

HINGED DOOR 94

SLIDING DOOR 95

SEALING GASKETS & HEATERS 98

SWING DOOR 99

OFFICE - SERVICE - CLEAN ROOM 99



Hinge for Chiller Door

107002



Hinge for Freezer Door

107003



Hinge for Thick Door

107006



Shutter KA5 IN1

112004



Vertical Shutter KA2 IN2

112005



Shutter KA6 AMP

112008



Shutter KA4 C1

112021



Heavy duty Shutter

112032



Double Leaf Door Lock

112040



Anti-panic Push Bar

117002



Shutter KA1F

117064



Rotating Shutter

121000



Inner Handle Light Duty

112012



Inner Handle Heavy Duty

112018



Inner Handle Lever

112030



Door Hook Stop A

116020



Door Wenge 22mm

117033



Door Wenge 16mm

117034



Lever Stop

117036



Plastic Screw M10

117041



Plastic Washer R90

117042



Door Arm Light Duty

117043



Door Arm Heavy Duty

117045



Lock

189898



PVC Door Wenge Light Duty

117047



PVC Inner Lever Base

117048



Wheel Light Duty

117049



Wheel Heavy Duty

117050

Sliding Guide Cap
Light Duty A

117051



Side Guide Cap A

117052



Side Guide Cap B

117053



Door Hook Stop B

117055



Door Soft Stop

117056

Sliding Guide Cap
Heavy Duty A

117057

Sliding Cover Guide Cap
Light Duty B

117058



Inox Fixed Handle

117062



Side Guide with Wheel

117066



Side Guide without Wheel (old type)

117067



Side Guide Wheel

117101



Slider Light Duty

117102



Screw M10 with Metallic Thread

117103



Sliding Guide Cap Heavy Duty B

117169



Plastic Screw 23cm

118012



Plastic Screw 16cm

118013



Plastic Washer R60

118024



Screw with Spring

200001



Outer Lever Inox

200002



Inner Lever Inox

200003



Special Seal for Hook Rail Passage
for Meat Transfer

1100222



Guide for Cold Storage Door
Seal ALU-PVC

111221



Office - Service Door - Clean Room
Perimeter Seal

116010



Protective Seal for Swing
Door from PU panel

116099



Heating Element
with Thermostat

117007



Heating Element
without Thermostat

117008



Frame Seal for Hinged Chiller
Door YLA1

117014



Frame Seal for Sliding Chiller
Door YLA3

117015



Frame Seal for Freezer
Door YLA2

117016



Chiller Floor (Sweep)
Seal YLA4

117017



Freezer Floor (Sweep)
Seal YLA5

117018



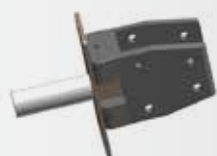
Perimeter Seal for Swing
Polyethylene Door Porthole

117094



New Type Hinge

107004



Old Type Hinge

107015

OFFICE - SERVICE - CLEAN ROOM



Inox Handle

116007



Inox Lock Trim

116031



Inox Hinge

116017



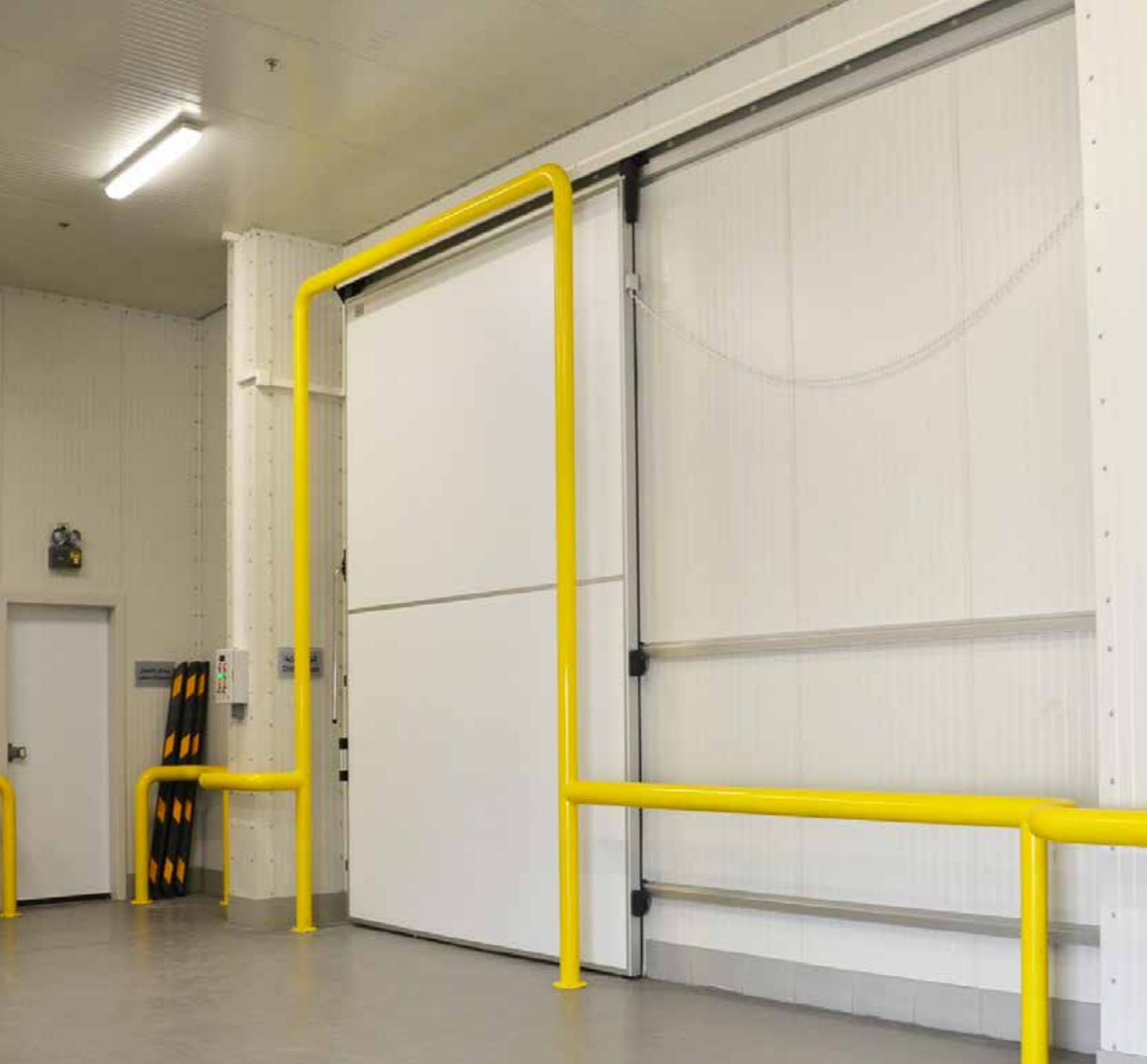
Milk Factory at Qatar





Pharmaceutical Industry at Saudi Arabia





Food Warehouse at Saudi Arabia





Restaurant at United Kingdom









Stainless steel doors with protective foil in the factory facilities before delivery





Our products are constructed in our modern facilities in Kryoneri Industrial Area, Athens, in compliance with German DIN standards of Berlin Technical University & HACCP specifications.

A. MOTORS - CH. PILALIS S.A.

Protomagias 5, Kryoneri Industrial Area, Zip Code. 14568,
Athens, Greece

☎ Tel. 0030 210 62 20 100

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www.ampdoor.com

