



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.



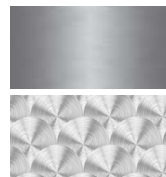
## SWING FROM PU PANEL

- 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.

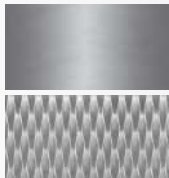
## OPTIONS



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

## AVAILABLE COLORS



RAL1006



RAL7047 Pebbled



RAL2009



RAL9002



RAL3001



RAL5015



RAL9010

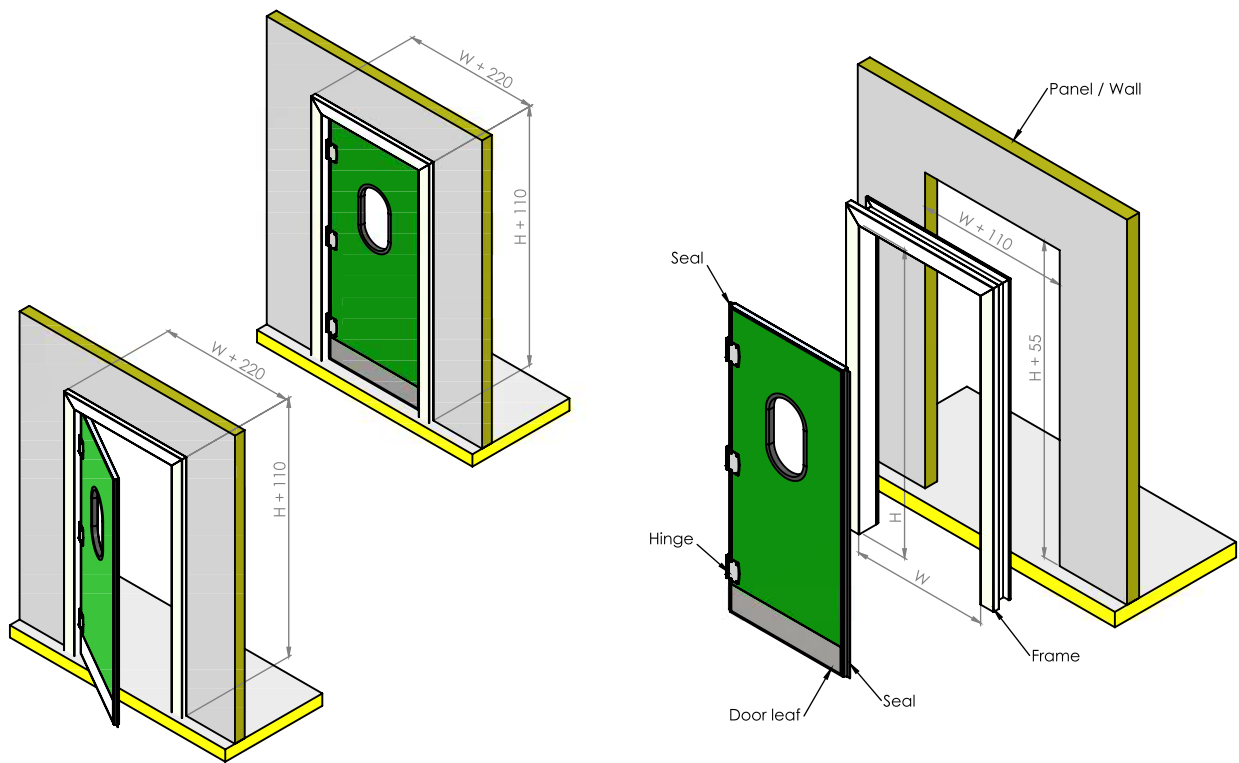


	MOD FFPU1	MOD FFPU2
<b>Application</b>		
Single Leaf	●	
Double Leaf		●
<b>Net Opening Dimensions (mm)*</b>		
Minimum Width	800	1200
Minimum Height	1900	1900
Maximum Width	1200	2200
Maximum Height	2500	2500
<b>Options</b>		
Plastified Surface **	●	●
Inox Surface	○	○
Full Inox	○	○
Oval Porthole	●	●
Folded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

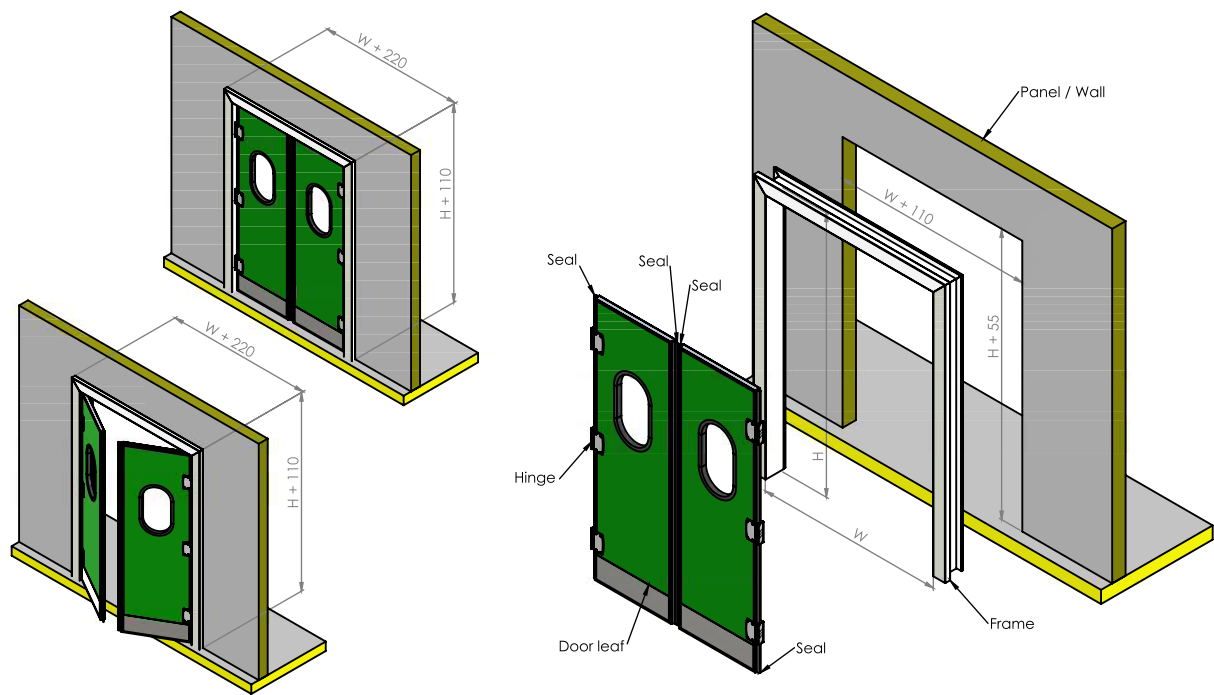
● Standard  
○ Optional

\* For custom dimensions contact with A. Motors office.

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



DOUBLE LEAF TECHNICAL DRAWING





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.

## ΕΠΙΛΟΓΕΣ | OPTIONS



Protective bumper from polyethylene (standard)



RAL1023



RAL3001



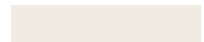
RAL5015



RAL6024



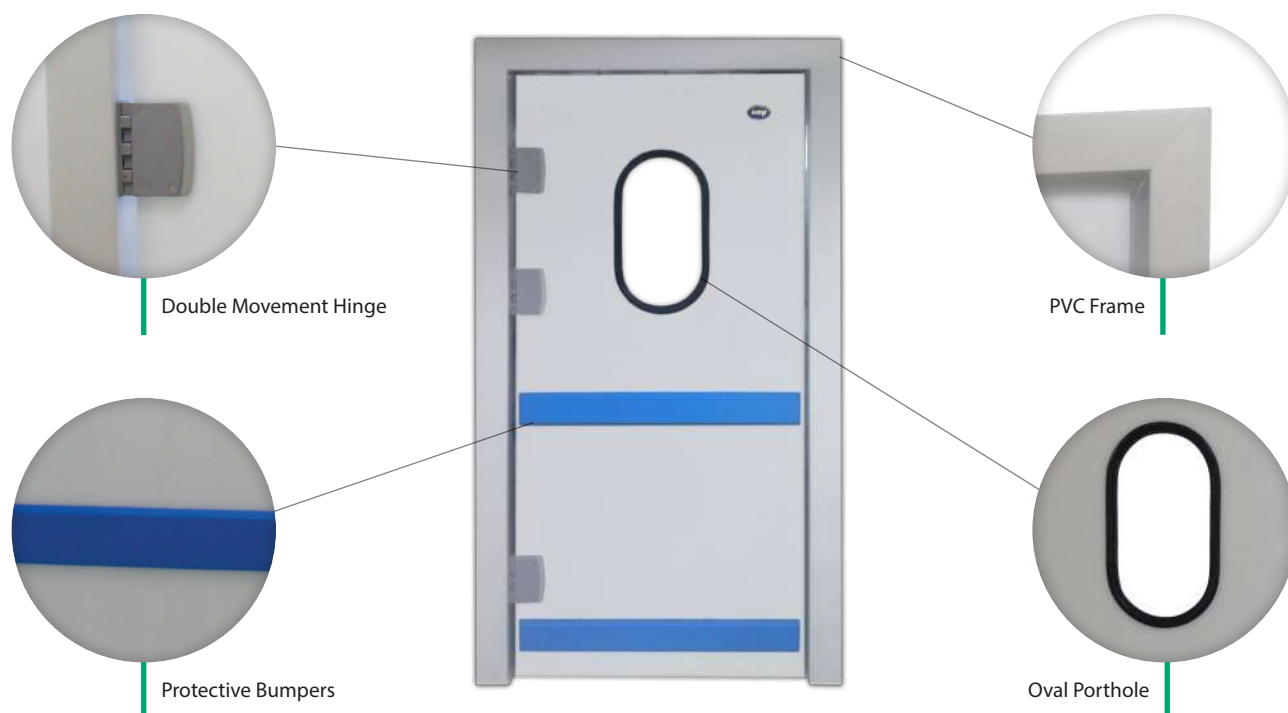
RAL7037



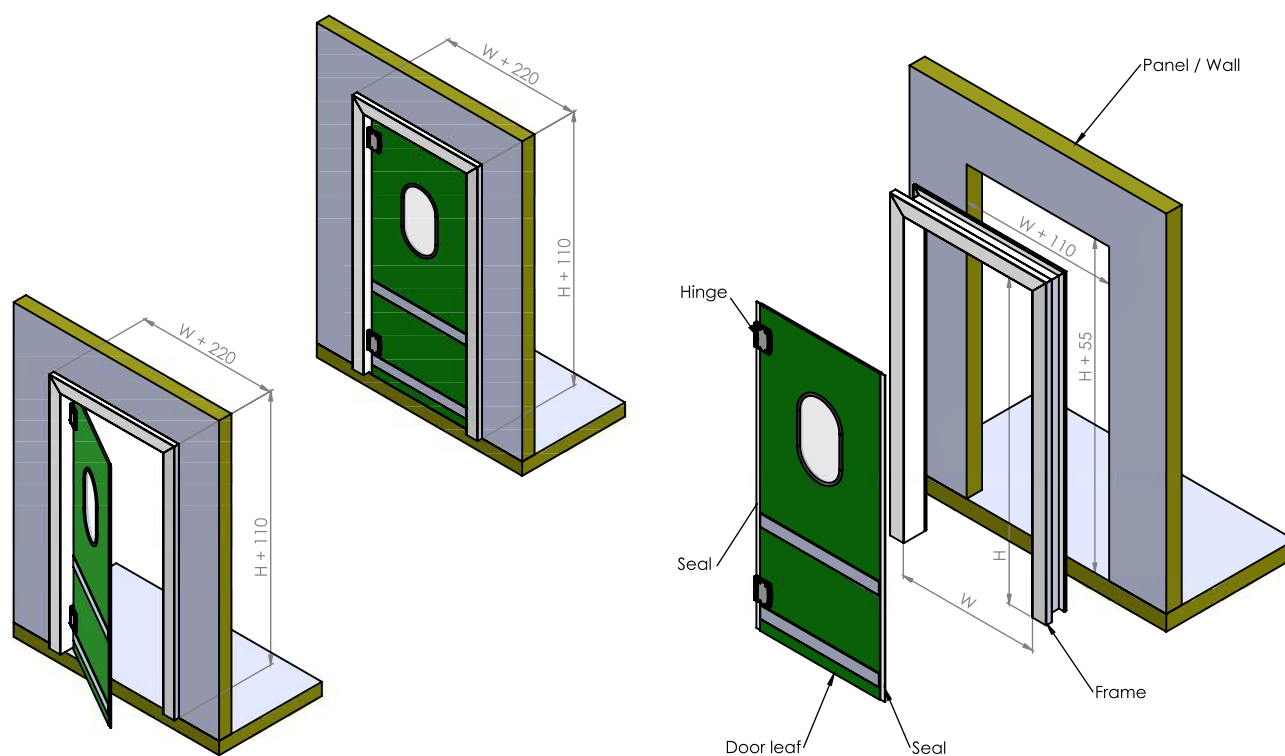
RAL9010

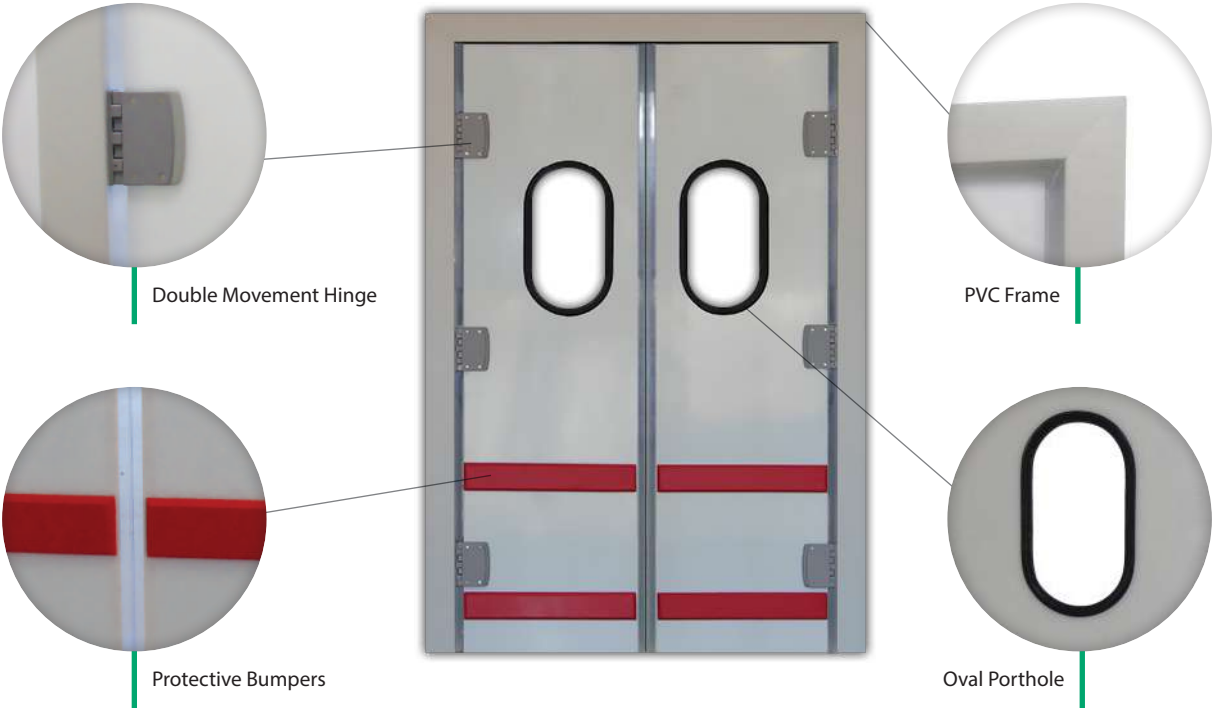


Hallway with swing polyethylene doors

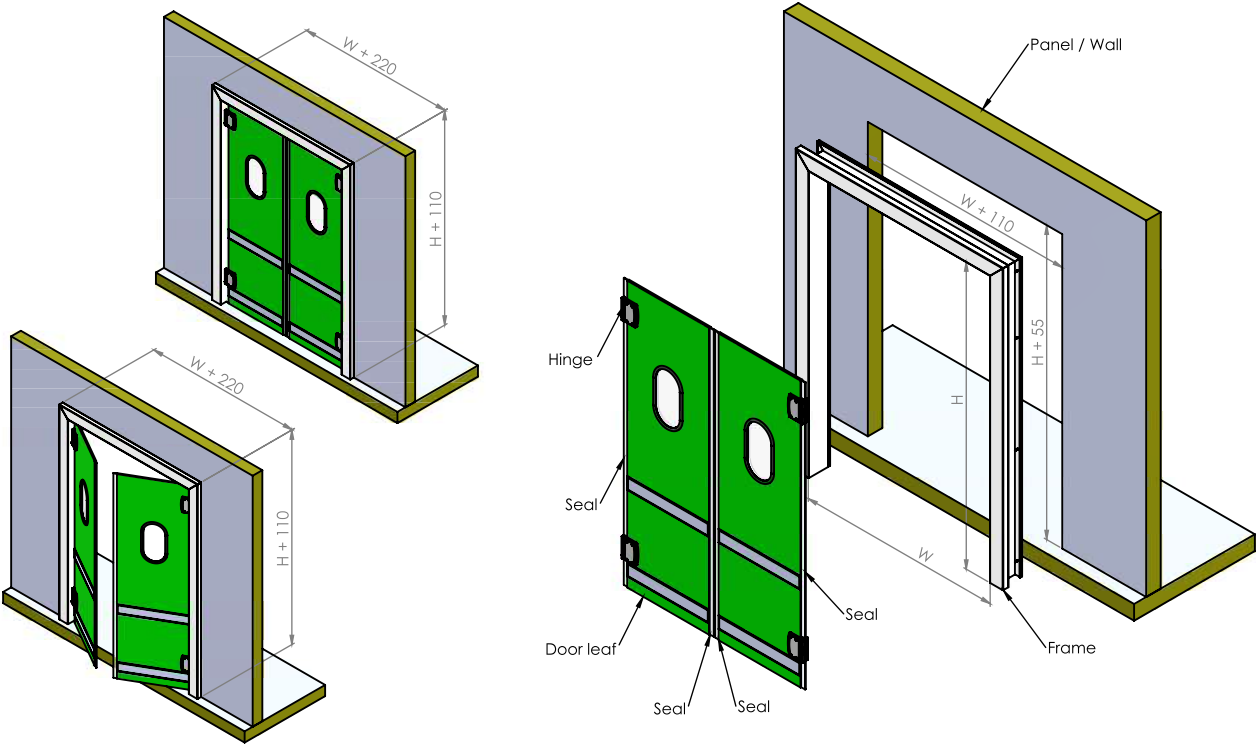


## SINGLE LEAF TECHNICAL DRAWING





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 <sup>3</sup>	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 <sup>2</sup>	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 <sup>-6</sup> K <sup>-1</sup>	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 <sup>-4</sup>		DIN IEC 60250
Volume resistivity	>10 <sup>14</sup>	Ω*cm	DIN IEC 60093
Surface resistivity	>10 <sup>14</sup>	Ω	DIN VDE 0303-3
Comparative tracking index	600		DIN IEC 60112
Dielectric strength	45	kV/mm	DIN IEC 60243
	Value	Unit	Test method



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.**

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