



HIGH
SPEED
DOORS



FRIGO 2 AIR

TECHNICAL DATA



LOW TEMPERATURE



DOUBLE CURTAIN



SELF-REPAIR



SAFE



HIGH SPEED



OIL FREE



GRAVITY TECHNOLOGY

MAXIMUM DIMENSIONS	W 6000 mm x H 7000 mm
SPEED	Max opening speed Up to 1,8 m/s
	Closing speed 0,8 m/s adjustable
CYCLES TEST	1.000.000
WIND RESISTANCE	Class 2
STRUCTURE	Not self-supporting
FRAME / MOTOR COVER HOOD	Standard • Galvanized Steel • Powder coated Steel
	Optional Stainless Steel 304/316
CURTAIN	Standard PVC curtain 900 gr/m ²
SLIDING SYSTEM	Patented sliding system with high density Polyzene self- lubricant equipped of sliding zipper directly on curtain.
CONTROL PANEL	Power supply 3-ph, 230 V
	Power supply 3-ph + N 380 V
	Inverter system 50/60 Hz with absolute encoder
	IP rating for motor and control panel IP54
WIRING	Plug and Play system IP65
SAFETIES	Standard • Photocells set IP65 • Anti-jam sensor reverse • WiFi safety edge IP65
	Optional • Multi ray light curtain barrier H2500 IP67
EMERGENCY OPENING	Standard Hand crank
	Optional Chain system UPS battery
HEATING KIT	A: Warm air blower 2,35kW max.
	Optional B: Heating cable 30W ml
AIR FLOW OF AIR SYSTEM	10 m/s

DynamicRoll® **FRIGO 2 AIR** is a self-repairing roll up door equipped with 2 parallel curtains that create an insulated barrier while in the closed position. This technology makes the door ideal to reach 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. DynamicRoll® **FRIGO 2 AIR** 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.



EN13241 CERTIFICATION

STANDARD	RIF.	TEST ACC.	RESULTS
WATER PERMEABILITY	EN 12425	EN 12489	Class 1
WIND LOAD	EN 12424	EN 12444	Class 2
AIR PERMEABILITY	EN 12426	EN 12427	Class 1
SAFE OPENINGS	EN 12453	EN 12445	✓
MECHANICAL RESISTANCE	EN 12604	EN 12605	✓
UNINTENDED MOVEMENTS	EN 12604	EN 12605	✓
THERMAL TRANSMITTANCE	EN 12428	EN 12428	2,2 W/m²K
PERFORMANCE (CYCLES)	EN 12604	EN 12605	1.000.000

Values can change depending on door dimensions

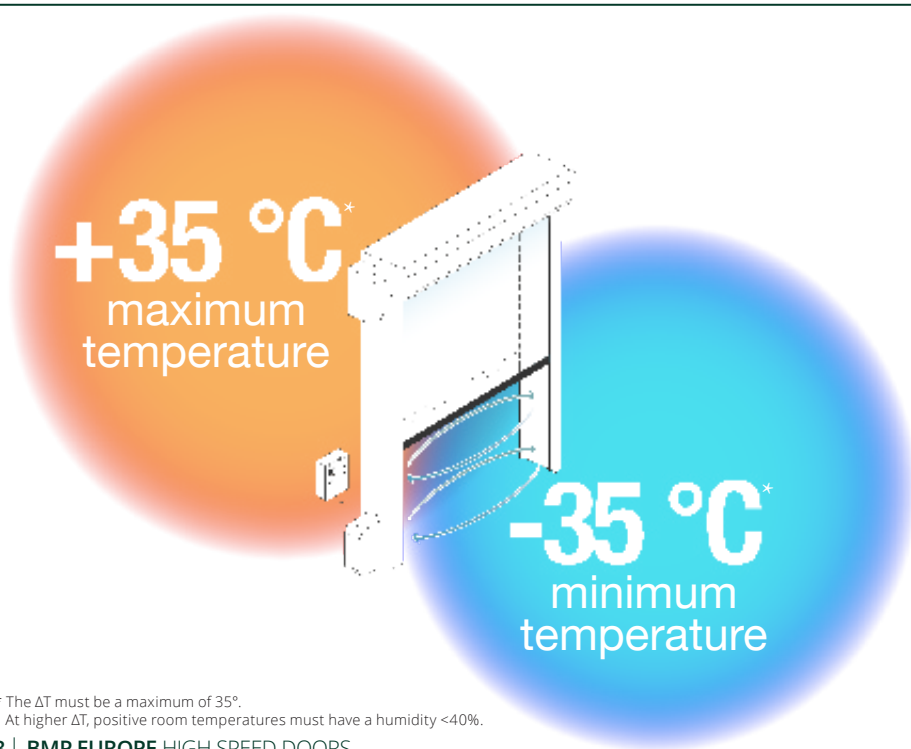
ADVANTAGES

- Self-repairing
- Rapid
- Sealing
- Noiseless
- No rigid elements inside the curtain for 100% safety
- Plug & play (easy to install)
- Low maintenance
- Energy savings
- Allow the traffic flows in safety between areas of high temperature gap
- Double PVC curtains (airspace between 200 mm)

SLIDING SYSTEM / SELF-REPAIRING

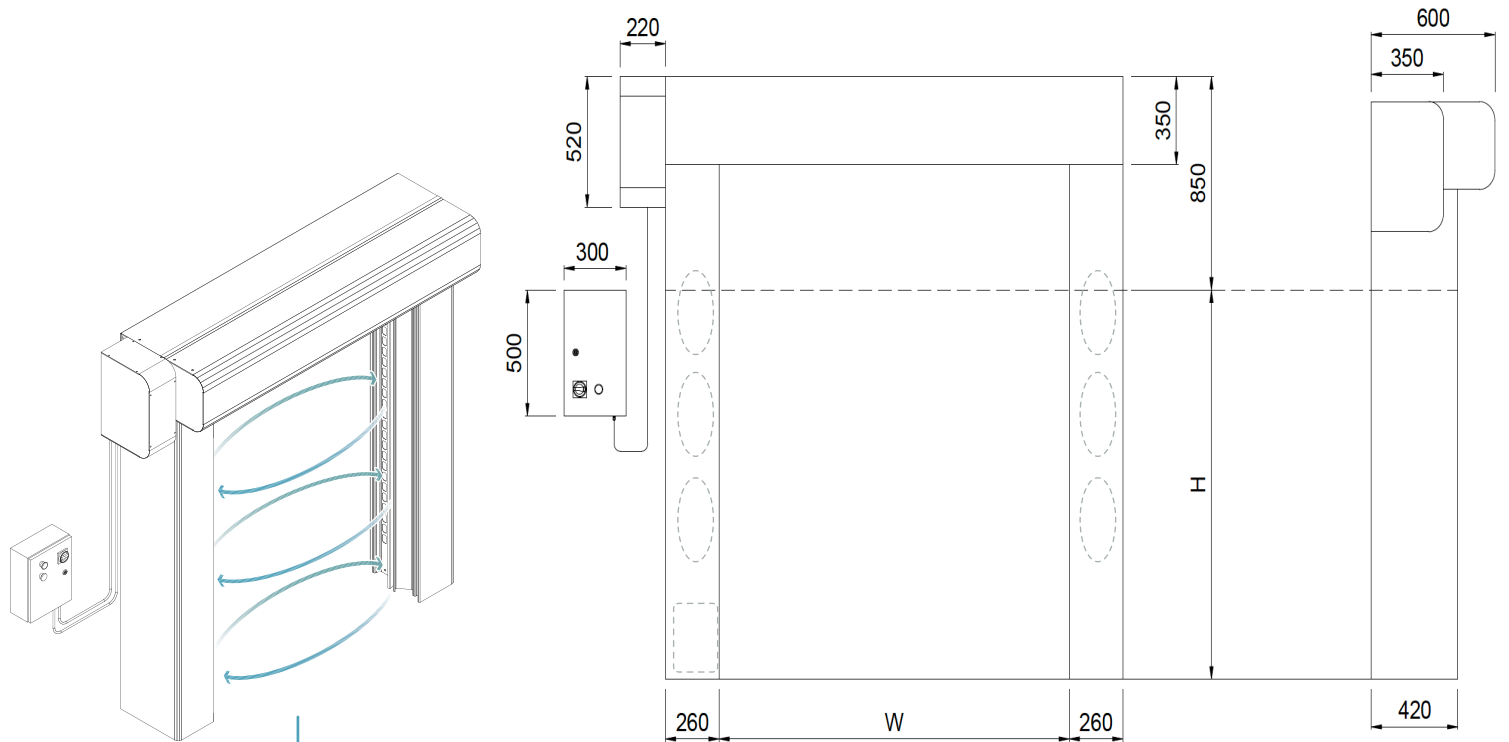


ADVISING OPERATIVE TEMPERATURE



* The ΔT must be a maximum of 35°. At higher ΔT, positive room temperatures must have a humidity <40%.

DOOR SPACE REQUIREMENTS

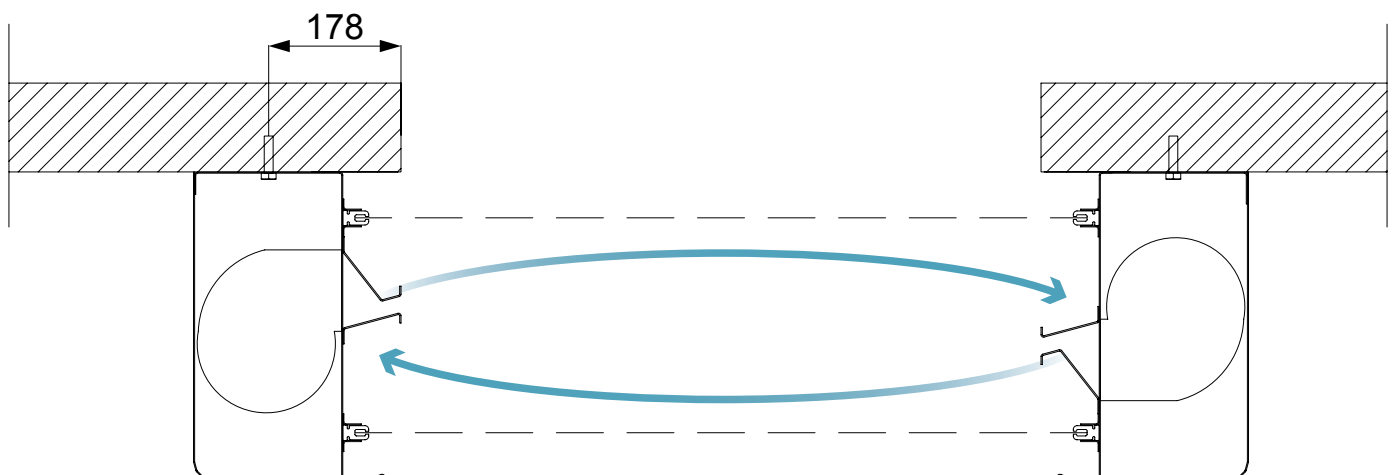


● Ventilation system

An essential system to separate two high-traffic rooms with different temperatures or humidity. When the door is open, it guarantees the separation of the two rooms using a double lateral ventilation system with recirculation of the same air, avoiding annoying turbulence on the floor.

Double curtain door ideal for:

- ✓ Refrigeration industry
- ✓ Managing even high temperature differences with uncontrolled humidity



PVC CHARACTERISTICS

STANDARD PVC

Composition and tests

EXTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Opaque	18 standard	0,7 mm
FABRIC			
Material	N. tarps	Title	EN 2286-2
PES	1	1100Dtex 12x12	900 g/m ²
INTERNAL SIDE			
Material	Finishing	Color	Thick
PVC	Rough	18 standard	0,2 mm
COLD RESISTANCE			
ISO 4675/90 -50°C ±5			
HYDROLYSIS TEST			
75°C 95% humidity none variation			
GAS OIL TEST			
- none variation			
MARINE WATER TEST			
- none variation			
OZONE TEST			
ISO 3011 none crack			
T. STORAGE			
(°C) -30 +65			
FLAME TEST			
ISO 3795 < 100 mm/min			
PERFORATION			
RINA 3.A1.2.7 (N) > 100			
EXERCISE 7 days -70°C			
ISO 6065 none variation			

Characteristics

THICK ISO 2286/3 (mm) 0,9±0,1
WEIGHT ISO 2286/2 (kg/m ²) 0,90±0,1
LOAD BREAK ISO 1421 6000 N/50mm
WARP EXTENSION ISO 1421 4300 N/50mm
TEXTURE EXTENSION ISO 1421 4000 N/50mm
WARP BREAK dIN 53363 (N) > 600
TEXTURE BREAK dIN 53363 (N) > 530
ADHESION dIN EN ISO 2411 130 N/50mm
EEC CONFORMITY - Yes
SPECIFIC USE industry, refrigerators, car washes, supermarkets, warehouses
ASSOCIATION -

Colors



OPTIONAL ACCESSORIES

RADAR



OPENING POINT
RADAR TOF/SPOT
for internal use only



INFRARED RADAR
with cross-movement
adjustment



INFRARED RADAR
motion and presence
(pedestrian/forklift) radar

TRAFFIC LIGHTS



GREEN FIXED STANDARD
traffic light



RED FIXED STANDARD
traffic light



LED TRAFFIC LIGHT
with countdown



LED TRAFFIC LIGHT
BARRIERS
(connection card included)

BUTTONS



OPENING GREEN
BUTTON
with box



OPENING BLACK
BUTTON
with box



FREEZE STOP
BUTTON
with box



NO TOUCH
BUTTON



TRAFFIC LIGHT
BUTTON
DUAL-FUNCTION
opening and
intermittent door
opening/closing
signaling



WIND GAUGE



KEY SELECTOR



REMOTE CONTROL



BOLLARD B-PROTECT



PULL CORD SWITCH



MAGNETIC LOOP DETECTOR