

# DYNAMICROLL® FRIGO 1

## DESCRIPTION

DynamicRoll® **FRIGO 1** is a self-repairing roll up door with a special sandwich curtain composed by PVC/ polyethylene expanded/ PVC curtain.

The insulating segments on curtain avoid the icing creating a thermal cut with a continuous insulation on curtain. Thickness of curtain is of about 18mm.

The frame structure is equipped with heating cables placed in the sliding system and in connections to avoid condensation and icing of curtain.

These features make door ideal for refrigeration field to divide environments with different temperatures with humidity less than 30%.

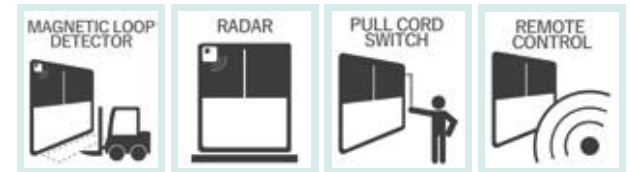
## ADVANTAGES

- ✓ Self-repairing
- ✓ Rapid
- ✓ Sealing
- ✓ Noiseless
- ✓ No rigid elements inside the curtain for 100% safety
- ✓ Plug & play (easy to install)
- ✓ Low maintenance
- ✓ Insulating - Thermal K 2,2 Wm<sup>2</sup> K

## APPLICATION

**Door** ideal solution for:

- ✓ Refrigeration industry
- ✓ Ideal for environments with controlled humidity level <30%



## EN13241/CE

Standard	Ref.	Test acc.	Results
<b>Water permeability</b>	EN 12425	EN 12489	Class 1
<b>Wind load</b>	EN 12424	EN 12444	Class 2
<b>Wind permeability</b>	EN 12426	EN 12427	Class 1
<b>Safe openings</b>	EN 12453	EN 12445	✓
<b>Mechanical resistance</b>	EN 12604	EN 12605	✓
<b>Unintended movements</b>	EN 12604	EN 12605	✓
<b>Thermal transmittance</b>	EN 12428	EN 12428	2,2 W/m <sup>2</sup> K
<b>Performance (cycles)</b>	EN 12604	EN 12605	1.000.000

VALUES CAN CHANGE DEPENDING ON DOOR DIMENSIONS

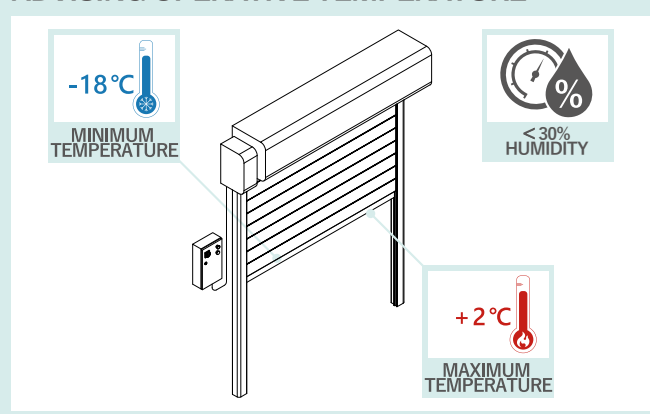
## FEATURES

<b>Maximum dimensions</b>	W 4000 mm x H 4500 mm
<b>Speed</b>	<b>Max opening speed</b> up to 1 m/s <b>Closing speed</b> 0,6 m/s
<b>Wind resistance</b>	Class 2
<b>Structure</b>	Not self-supporting
<b>Frame / motor cover hood</b>	<b>Standard:</b> Galvanized Steel <b>Optional:</b> Powder coated Steel Stainless Steel 441/ 316
<b>Curtain</b>	<b>Standard:</b> Double curtains welded with expanded polyethylene insulating 18 mm thick. <b>Optional:</b> Insulated 7 mm, 3.3 W/m <sup>2</sup> k FDA (white) Antistatic
<b>Sliding system</b>	Patented sliding system with high density Polyethylene self-lubricant equipped of sliding zipper directly on curtain.
<b>Control panel</b>	<b>Standard:</b> Powder coated Steel box IP54 (300 x 500 x 150 mm) <b>Optional:</b> Stainless Steel PVC box IP65 (300 x 400 x 150 mm)
	Inverter system 50/60 Hz with absolute encoder
	Power supply 1-ph, 230V max 16A
	Power supply 3-ph, 400V max 10A
	Power supply 3-ph, 230V max 16A
	Star/Stop Button
	2 free contacts (door open/ closed/ allarme)
	Automatic/ Manual Interlocking between 2 doors
	IP rating for motor and control panel IP54
	IP rating for motor and control panel IP54
<b>Wiring</b>	Plug and Play system IP65
<b>Safeties</b>	<b>Standard:</b> Photocells set IP65 Anti-jam sensor reverse WiFi safety edge IP65
	<b>Optional:</b> Multi ray light curtain barrier H2500 IP67

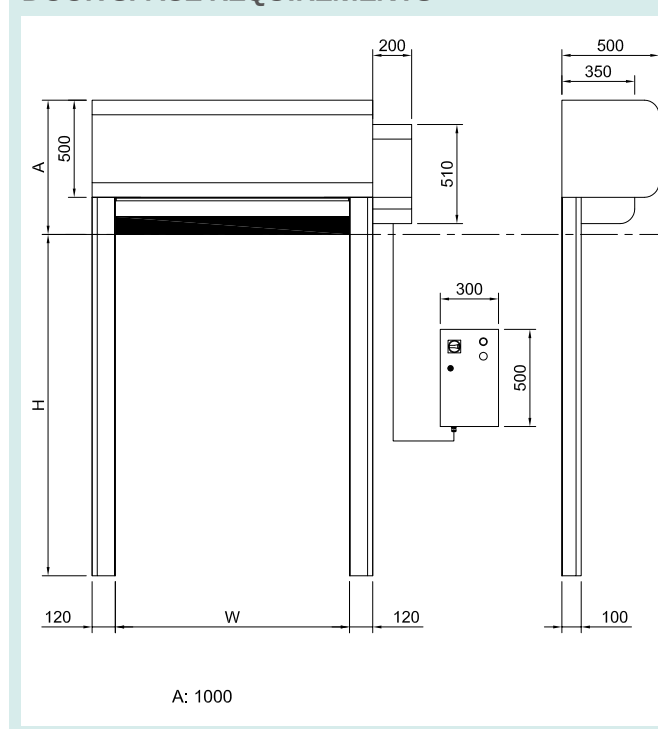
## FEATURES

<b>Emergency opening</b>	<b>Standard:</b> Hand crank
	<b>Optional:</b> Chain system Counterweight system UPS Battery
<b>Heating Kit</b>	Heater on electrical components and mechanical, heating cable 30W ml
<b>Cycles (EN12604)</b>	1.000.000 (tested)

## ADVISING OPERATIVE TEMPERATURE



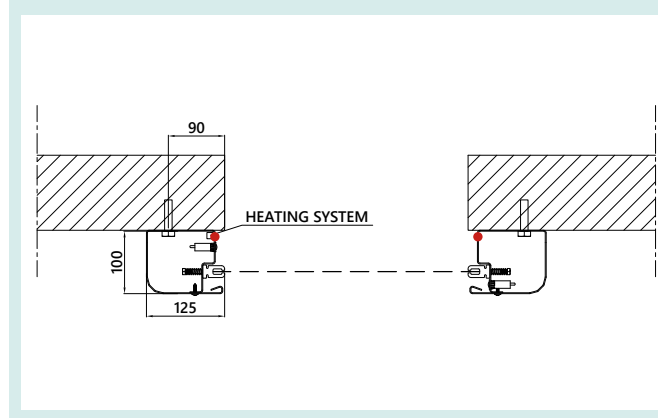
## DOOR SPACE REQUIREMENTS



## SLIDING SYSTEM / SELF-REPAIRING



## FIXING DETAILS



## AVAILABLE COLOURS

Simil RAL 9010

Simil RAL 1015

Simil RAL 3002

Simil RAL 9006

Simil RAL 7035

Simil RAL 5010

Simil RAL 1003

Simil RAL 8014

Simil RAL 7042

Simil RAL 6018

Simil RAL 5002

Simil RAL 2004

Simil RAL 9005

Simil RAL 7037

Simil RAL 6026

Simil RAL 5012

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