

DYNAMICROLL® FRIGO 2

DESCRIPTION

DynamicRoll® **FRIGO 2** is a self-repairing roll up door equipped of 2 curtains without any rigid elements inside, divided by 200mm and in closed position make air space insulated.

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** can be installed both in positive and negative temperature and it's a guaranteed of safety for workers and means, thanks to its curtains without any horizontal rigid elements and to the special sliding system let the curtains in case of any crash, during the operation of the door, go out and being reinserted after one cycle.

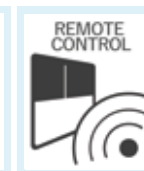
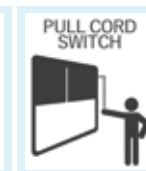
ADVANTAGES

- ✓ 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)

APPLICATION

Double curtains door ideal solution for:

- ✓ Refrigeration industry
- ✓ Ideal to manage high temperatures difference even without a humidity controlled system



EN13241/CE

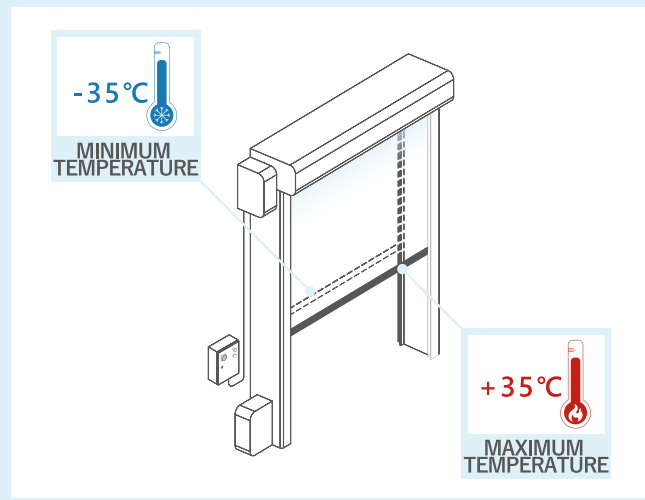
| Standard | Ref. | Test acc. | Results |
|-----------------------|----------|-----------|-----------|
| Water permeability | EN 12425 | EN 12489 | Class 1 |
| Wind load | EN 12424 | EN 12444 | Class 2 |
| Wind permeability | EN 12426 | EN 12427 | Class 1 |
| Safe openings | EN 12453 | EN 12445 | ✓ |
| Mechanical resistance | EN 12604 | EN 12605 | ✓ |
| Unintended movements | EN 12604 | EN 12605 | ✓ |
| Thermal transmittance | EN 12428 | EN 12428 | 2,0 W/m²K |
| Performance (cycles) | EN 12604 | EN 12605 | 1.000.000 |

VALUES CAN CHANGE DEPENDING ON DOOR DIMENSIONS

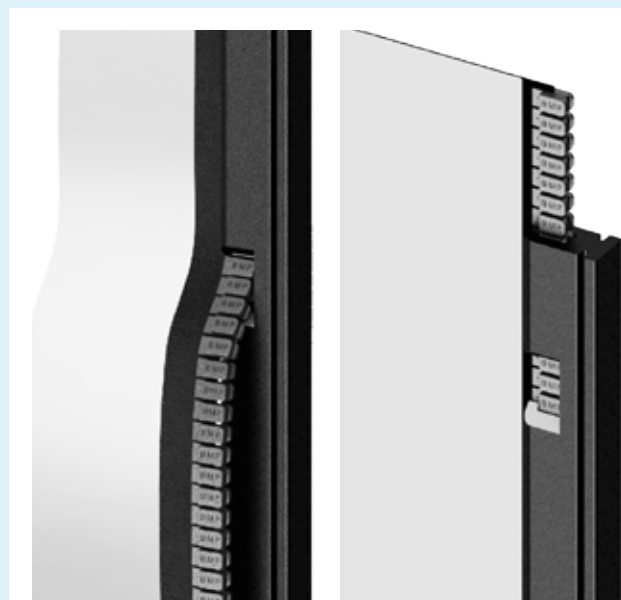
FEATURES

| | |
|---------------------------------|---|
| 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 |
| 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 Polyethylene 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: Heater on electrical components and mechanical, heating cable 30W ml |
| | B: Heater in air space with warm air blower 3,7 KW max. |
| Cycles (EN12604) | 1.000.000 (tested) |

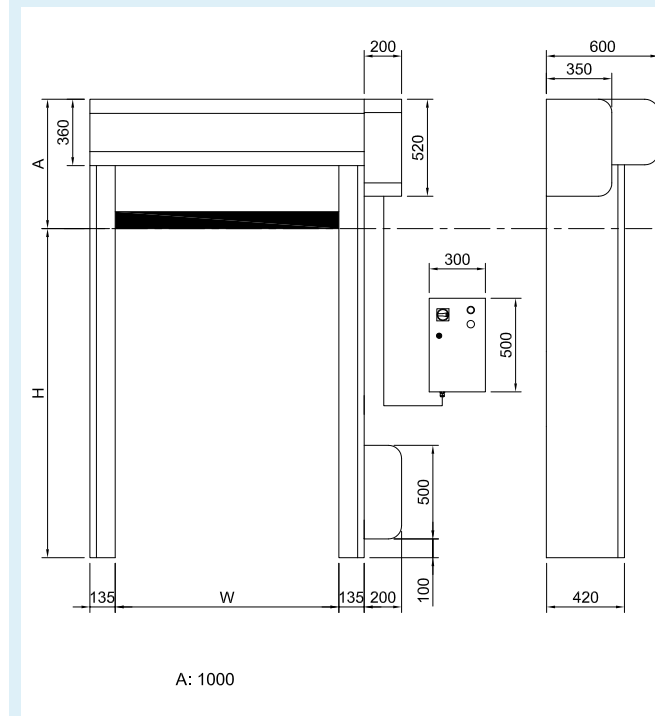
ADVISING OPERATIVE TEMPERATURE



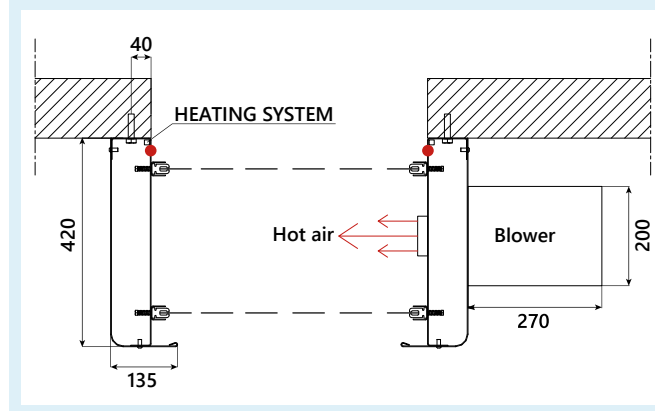
SLIDING SYSTEM / SELF-REPAIRING



DOOR SPACE REQUIREMENTS



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 |

*BMP Europe S.r.l. reserves the right to change the characteristics of its products or components without prior notice, depending on its policy of continuous product development. The doors shown are example applications. No part or excerpt may be reproduced without our prior permission.

