

# Freezer M2

Inside door  
"PUSH-PULL<sup>PT</sup>" Technology



Designed for freezer environments DYNACO's Freezer M2 allows efficient traffic flow with your freezer while minimizing temperature variations.

The high operation speed combined with the excellent seal, optimises the internal traffic flow and provides energy savings. An optional isolated curtain is available to further increase the energy savings.

Self repairable, the curtain will automatically reintroduce itself into the sideguides if accidentally hit. The absence of rigid elements in the curtain and the soft bottom edge makes the Freezer M2 intrinsically safe.

**High speed operation:**  
2,4 m/s opening speed

**Patented "Push Pull<sup>PT</sup>" technology:**

Unique door drive system eliminates the need for weighted bottom bars or tension systems.

**Excellent sealing**

Patented side frame assembly provides virtually perfect seal while eliminating blade and brush systems.

**Crash forgiving and 100% selfrepairing without intervention**

The curtain reintroduces itself automatically after a crash which reduces maintenance and production down time

**User safety:**

The absence of stiffeners combined with a flexible curtain that moulds itself protects users.

The curtain is provided with the "WDD" technology, the Wireless DYNACO Detector at the bottom of the door

**Advanced drive:**

Smooth operation and reliability provided by a motor without brake and driven by a frequency inverter and an encoder. Wearable elements are reduced to a minimum.

**Dynalogic control box:**

Control box with self-diagnosis is user friendly

**Conform to EN13241-1**

# Freezer M2

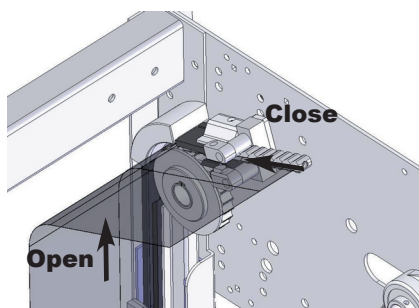
Inside door  
"PUSH-PULL" Technology

## EN13241-1 STANDARDS

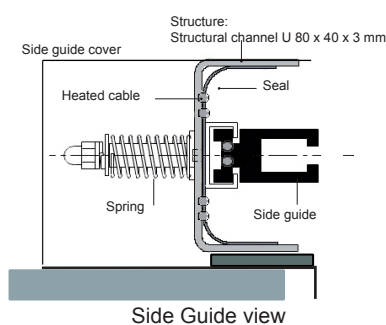
Standard	Ref.	Test acc.	Results
Water permeability	EN 12425	EN 12489	Classe 1
Wind load	EN 12424	EN 12444	Classe 3
Wind permeability	EN 12426	EN 12427	Classe 1
Safe openings	EN 12453	EN 12445	Pass
Mechanical resistance	EN 12604	EN 12605	Pass
Unintended movements	EN 12604	EN 12605	Pass
Thermal resistance	EN 12428	EN 12428	6,02 W/m <sup>2</sup> K
Performance (cycles):	EN 12604	EN 12605	1 000 000

## Characteristics

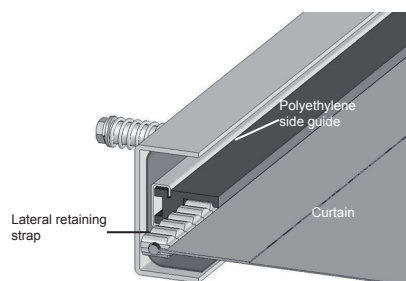
<b>Max. dimensions</b>	W 4.500 mm x H: 4.500 mm
<b>Max speed</b>	
Opening	2,4m/sec
Closing	1,2 m/sec
<b>Structure</b>	Galvanised steel (U channels): 80 x 40 x 3 mm Option: stainless steel
<b>Drum</b>	Steel - Ø 102 x 2 mm
<b>Side guides</b>	Polyéthylène (PE-UHMW) with springs, mounted with heating cables
<b>Motor</b>	4 poles, without brake - power: 1,5 kW Frequency inverter - Protection degree: IP 65
<b>Control box</b>	DYNALOGIC provided with: Circuit breaker, general divider, adjustable timer, Push button for opening and reset and emergency stop. Protection degree: IP54
<b>Standard detectors</b>	Infrared barrier: 300 mm from the floor Wireless detection system
<b>Power supply - frequency</b>	Single phase 230V - 25 A. - frequency: 50-60 Hz
<b>Available colours</b>	Yellow Orange Red Blue Green Grey White Black RAL1003 RAL2004 RAL3000 RAL5002 RAL6005 RAL7035 RAL9010 RAL9005



"PUSH-PULL" Drive technology

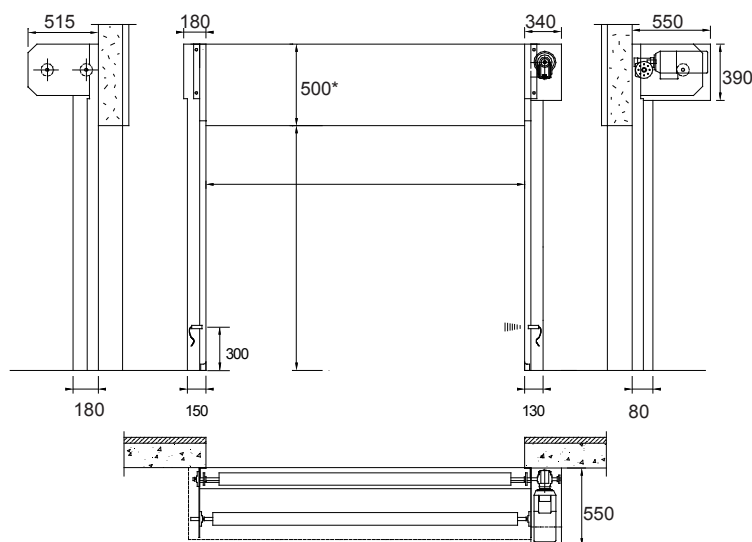


Side Guide view



Lateral retaining strap view

## Measures Freezer M2



\* Reduced: 370 if H ≤ 4000

All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided. Reduced dimensions: upon request



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