

# Spiral 80 COLD ROOM

Insulated high-speed door, designed to withstand extreme temperatures: its full operation down to  $-25^{\circ}\text{C}$  makes it ideal for the food and refrigeration sector.



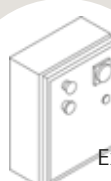
**Thermicroll**



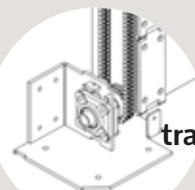
**Opening  
speed up  
to 2 m/s**



**3.000.000  
cycles**



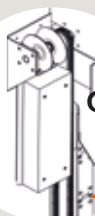
**Inverter  
Control Panel**  
External installation



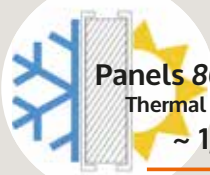
**Chain  
transmission**  
Push - Pull



**Operating  
temperature**



**Counterweight  
opening**



**Panels 80mm thick**  
Thermal cut insulation  
 $\sim 1,0 \text{ W/m}^2\text{K}$















**Thermal cutting  
heated  
60 W/m**

PARAMETERS	TECHNICAL OPERATIONAL DETAILS	
APPLICATION	Negative side	
MAX DIMENSION **	W 3000 mm, H 3000 mm	
OPENING SPEED *	Up to 2 m/s	
CLOSING SPEED *	~ 0,5 m/s	
THERMAL CONDUCTIVITY *	~ U = 1,0 W/m <sup>2</sup> K	
OPERATING TEMPERATURE *	-25°C / +10°C (depending on the humidity percentage of the cell/cold room)	
STRUCTURE	<b>Standard:</b> Galvanised steel	<b>Optional:</b> Steel powder-coated in RAL Stainless steel AISI 304
COATING THICKNESS 80 MM	<b>Standard:</b> <b>INSULATION:</b> <ul style="list-style-type: none"> <li>aluminium OX 15um</li> <li>steel pre-painted in RAL STD (close to 9006, 1013, 3000, 5010, 7016, 7035, 9002, 9010, 9016)</li> </ul>	<b>Optional:</b> <b>COIBENTATO:</b> <ul style="list-style-type: none"> <li>steel powder-coated in RAL</li> <li>stainless steel AISI 304</li> <li>stainless steel AISI 316</li> </ul>
GUIDES	Patented, in high density polyethylene HDPE 500	
OPERATION	Duplex chain	
CONTROL PANEL	Inverter	
POWER SUPPLY	<b>Standard:</b> Three-phase 400 V + N	<b>Optional:</b> Single-phase 230 V
FREQUENCY	50/60 Hz	
LIMIT SWITCH	Absolute Encoder	
GEARED MOTOR	Motorised asynchronous with 110 V electric brake for intensive high-frequency use	
MANUAL OPERATION IN CASE OF POWER FAILURE *	Opening with crank (counterweight) / Chain winch	
SAFETY DEVICES	Photocell barrier	
HEATING SYSTEM	<b>Standard:</b> Kit for motor, brake, columns (consumption 60W/m)	<b>Mandatory at the customer's expense:</b> Heated floor
DURABILITY	3,000,000 opening and closing cycles with periodic maintenance	

\* depending on the cladding, the place of the cladding and the dimensions of the door, subject to technical modifications without prior notice.

\*\* for larger sizes / special uses contact the Thermicroll technical office.

## Coating finishes range

- |  |  |
|--|--|
|  simil RAL 9006 |  simil RAL 9002 |
|  simil RAL 1013 |  simil RAL 9010 |
|  simil RAL 3000 |  simil RAL 9016 |
|  simil RAL 5010 |  ALUMINIUM      |
|  simil RAL 7016 |  INOX           |
|  simil RAL 7035 |  RAL PAINTING   |

## Dimensions\*

