

MB FRIGO

REFRIGERATION DOORS

**CHILLING
YOUR WORLD**
SINCE 1981

ARCTIC DOOR





Our team of experts supports you
from idea to implementation.

TOP QUALITY



Our products are of the highest quality
– from the individual components to the
finished product.

EXPERTISE



We improve our know-how and skills on a
daily basis, positively impacting every
business and production segment.

INVESTING IN THE FUTURE



Our products are continuously optimized to
achieve the best possible energy efficiency.
Our clients want to invest in the future and
are already thinking about how they can
reduce future maintenance costs.

ENGINEERING-INSTALLER APPROACH



We combine an innovative engineering
approach with installation experience
and technical support.

ADAPTABILITY



We design, construct and manufacture
refrigeration equipment according to
customer requirements.

By offering quality and recognizable products, innovative solutions and excellent service, we want to
improve the quality of life and achieve business success of each user of our products and services.



MB FRIGO GRUPA

PRODUCTION OF REFRIGERATION EQUIPMENT

Years of Experience

For more than 40 years, we have been developing and improving our own in-house range of refrigeration products and equipment, which we deliver all across the globe. While we started out as a small family business, today we have a team of over 180 employees. Together with our sister companies across the Adriatic region, we comprise the current MB Frigo Group.

Product Range and Flexibility

We specialise in the manufacture of cold rooms, refrigeration doors, and refrigeration units. The high flexibility of our range of products facilitates custom-made manufacture and adjustment to specific customer requests.

Manufacturing Line Modernisation

Continuous investments into the professional development of our employees and the modernisation of our range of products guarantee the delivery of top-quality products in accordance with EU and ISO 9001 norms.

Environmental Awareness

In all our activities, we take care that we comply with all relevant legal and industry regulations as well as environmental standards. All company activities comply with ISO 14001: Environmental Management Systems.

ARCTIC CELL

refrigeration doors

We design and manufacture refrigerator doors customized in keeping with user requirements for professional use.

MB Frigo refrigeration doors are tested for intense professional use. Exceptional quality is ensured through daily checks as per the relevant product standard certificate (DIN EN 13241-1:2011)

Air permeability	Resistance to water penetration	Resistance to wind load
Test method	Test method	Test method
EN 12427:2000	EN 12489:2000	EN 12444:2000



High-quality panel connections guarantee optimal energy efficiency.



Use of safe food contact materials.



Environmentally friendly products.



Compliant with ISO norms.



Compliant with EU norms.



High level of assembly readiness.



Quick and easy assembly without power tools.



Recommended by refrigeration equipment specialists.



High packaging standards to protect and safely transport goods.



Innovative solutions and special requests.



High control of factory production and inspection of finished products.



Production according to customer requirements.



HINGED REFRIGERATION DOORS

- Easy installation and use
- Elegant design and excellent compatibility
- Specially designed rubber seal with integrated heaters
- Specially designed for durability and longevity

TECHNICAL SPECIFICATIONS	
Operating temperature range (+/-)	from -24°C to +60°C
Panel thicknesses for positive working area (+)	ISO 60 mm
Panel thicknesses for negative working area (-)	ISO 100 mm

STANDARD DOOR DIMENSIONS		
Door type	BUILT IN DOOR	
	SINGLE LEAF	DOUBLE LEAF
Maximal door dimension clear opening	width 1500 mm x height 2500 mm	width 2400 mm x height 3000 mm
REFRIGERATION DOOR custom made	Possibility of producing non standard door dimensions, in a step of increment of 100mm	



BUILT IN DOOR



DOUBLE LEAF DOOR

SPECIAL TEMPERATURE PROTECTION

- Specially designed rubber seal with integrated heaters

OPTIONS:

- Guideway passage
- 4 types of floor threshold
- PVC profiles
- Hinged double leaf door

APPLICATION:

- Cold rooms
- Storage facilities

LOCK

- The doors are equipped with locks made from a high-quality composite, with a lock cylinder in accordance with DIN EN 179
- ION finishing

SAFETY

- The doors are equipped with a fluorescently labelled "ANTIPANIC" mechanism to open the door from the inside (BS EN179:2008)



SLIDING REFRIGERATION DOORS

- Shock-resistance
- Specially designed for durability and longevity

TECHNICAL SPECIFICATIONS	
Operating temperature range (+/-)	from -24°C to +70°C
Panel thickness for positive working area (+)	ISO 80 mm
Panel thicknesses for negative working area (-)	ISO 120 mm
Maximal dimensions	width 3000 mm x height 4000 mm
REFRIGERATION DOOR custom made	Possibility of producing non standard door dimensions in a step of increment of 100 mm



HANDLES AND LEVERS

- The sliding doors are equipped with interior and exterior handles made from a quality composite and an aluminium alloy, as well as with a lever made from AISI 304 stainless steel.

SUSPENSION AND GUIDE RAILS

- Doors open and close easily thanks to their quality suspension made from a solid composite and with aluminium-alloy ball bearings and guide rails.

SAFETY

- The doors are equipped with a fluorescently labelled "ANTIPANIC" mechanism to open them from the inside (BS EN179:2008). They may also be equipped with a locking cylinder.

OPTIONS:

- Guideway passage
- 4 types of floor threshold
- PVC profiles
- Locking cylinders

APPLICATION:

- Cold rooms
- Storage facilities
- Industrial premises

AUTOMATIC SLIDING REFRIGERATION DOORS

- Shock-resistance
- Specially designed for durability and longevity

TECHNICAL SPECIFICATIONS	
Operating temperature range (+/-)	from -24°C to +70°C
Panel thicknesses for positive working area (+)	ISO 80 mm
Panel thicknesses for negative working area (-)	ISO 120 mm
Maximal dimensions	width 3000 mm x height 4000 mm
REFRIGERATION DOOR custom made	Possibility of producing non standard door dimensions in a step of increment of 100 mm



AUTOMATIC CONTROL THROUGH SAFETY SENSORS

- The automatic sliding doors are controlled by sensors ensuring doors are stopped promptly
- Safety sensors on the sides of the doors provide protection from potential obstructions in their closing paths (they close automatically and return to their original position).

ADJUSTMENT OF OPENING AND AUTOMATIC CLOSING SPEED

- It is possible to program opening and closing speeds, partial closing of the doors, and how long doors remain open before closing automatically.

STANDARD EQUIPMENT

- Signal light
- The pull switch is located in the inner part of the cooling chamber
- photosensors for automatic door opening

OPTIONS:

- remote control
- pull switch located outside the cooling chamber
- motion sensors

APPLICATION:

- Cold rooms
- Storage facilities
- Industrial premises

PUSH & PULL DOORS

- Easy installation and use
- Elegant design and excellent compatibility
- Shock-resistance
- Specially designed rubber seal
- Specially designed for durability and longevity

TECHNICAL SPECIFICATIONS OF STANDARD DOOR		
Operating temperature range (+)	up to +60°C	
Panel thickness	ISO 40 mm	
Door type	SINGLE LEAF	DOUBLE LEAF
Maximal dimensions	width 1400mm x height 2500mm	width 2400 mm x height 3000 mm
REFRIGERATION DOOR custom made	Possibility of producing non standard door dimensions in a step of increment of 100 mm	



INSPECTION WINDOW

- The inspection window has a diameter of 200 mm and is made from a twin-wall polycarbonate, with an integrated rubber seal.

HINGES

- The doors are equipped with hinges made from a quality composite, allowing the door leaf to open up to 90° in both directions, lockable in position.

OPTIONS

- Inspection window
- Guideway passage
- 4 types of floor threshold
- PVC profiles
- Double leaf swing doors
- Bumper (PVC/S-type/acrylic)

BUMPER

- The bumper is made from solid PVC, making it shock-resistant and protecting the door leaf from damage.

PROTECTION

- The door leaf is reinforced around its perimeter with an aluminium profile and an EPDM rubber seal

APPLICATION

- inside cold rooms
- professional kitchens
- warehouses and spaces of similar purposes

DOOR ACCESSORIES

floor threshold

BASIC MODEL

- for cold rooms without a cold room floor panel where the final layer is the construction floor

OPTION 1

- includes a stainless steel floor threshold adherent to sealing rubber

OPTION 2

- used in new construction
- floor threshold adherent to the construction floor
- reinforced floor threshold for forklift crossing - the aluminium "L" profile 50 mm in height

OPTION 3

- used in cold rooms where the floor panel is placed on the construction floor
- the floor threshold thickness depends on the cold room floor panel thickness

door accessories



NOTES

NOTES

[illegible]



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