ulti group

Freezer Doors

Product Brochure

ULTIGROUP.CO.NZ

Hinged Freezer Door

Hinged Freezer Doors are designed for rooms with temperatures between -5 to -45°C. There are multiple heated frames and door leaf variants, designed specifically to suit different walls, door openings, available space and customer preferences. Each freezer door has a heated frame and threshold that protects the gasket from freezing. There is also a special thermostat that regulates the temperature in case the freezer isn't working. Each door is individually designed in order to ensure durability and longevity.

Door Leaf

Can be made of stainless steel or zinc coated galvanized steel 0.8 mm or 0.75 mm. The thickness of the door panel is:

100 mm	-25°C
120 mm	-35°C
150 mm	-45°C

The door leaf can be made as inside frame or as a space-saving half frame construction. Door panels (stainless steel) are welded in the corners, all constructon is to the highest hygiene standards and is produced with great care. All construction elements inside the door leaf are also made from stainless steel which means that our product is produced from the best quality materials.

Seal

Each freezer door is equiped with double, special dual component gaskets installed in a special plastic profile. This solution eliminates the thermal bridge of the door leaf and guarantees tightness.

Frames and Threshold

There are several types of frames available depending on the installation conditions. Each frame is equipped with special acid-strengthening to ensure rigidity and durability.

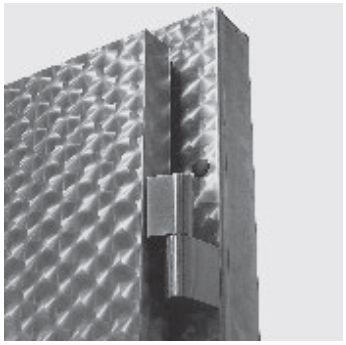
Freezer Door frames are heated (heater power dependent on installation conditions) and equipped with a thermostat that protects against overheating should the freezer stop working at any point. Optionally, it is possible to use a more cost effective overlay one side frame. Each frame is filled with polyurethane foam.

The frame is installed with an acid-resistant, heated threshold (installed flush to floor level). Optionally, rather than the heated threshold, it is possible to heat the bottom of the door leaf instead.

Half Frame Construction

Hinges

Angular UP-DOWN stainless steel hinges with covers. Cat. No. 003

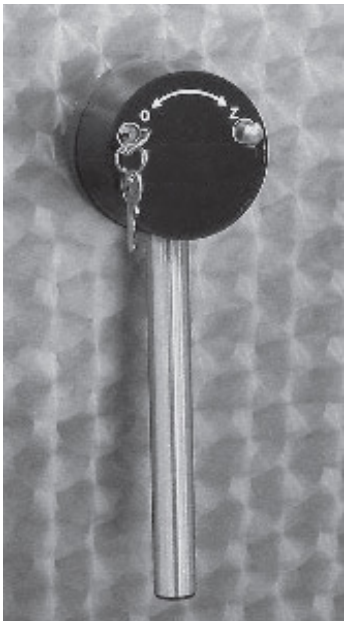


Angular UP-DOWN plastic hinges with steel inside. Cat. No. 004

Latches

Simple safe lock Cat. no. AD 006

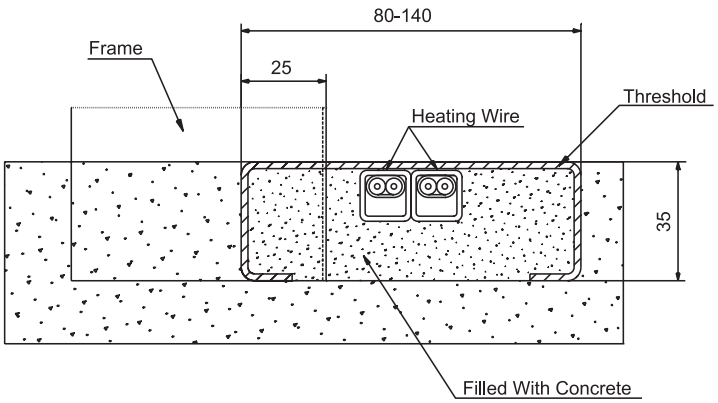
Strong construction latch for larger doors or double leaf doors Cat. no. AD 005



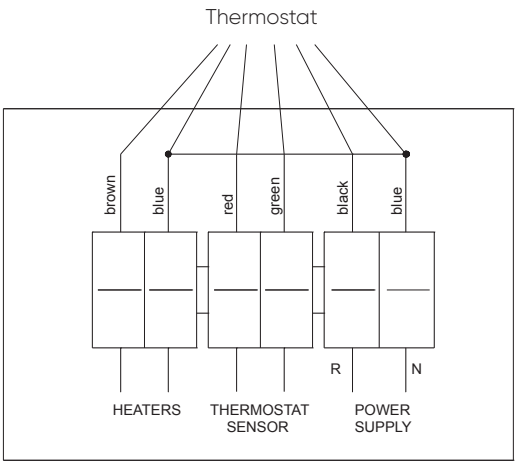
*special locks adequate for situation and customer requirements

Heated Threshold

Made from 2mm thick stainless steel with special reinforcements inside, concrete and removable heaters. This is a strong construction prepared for heavy load trucks.

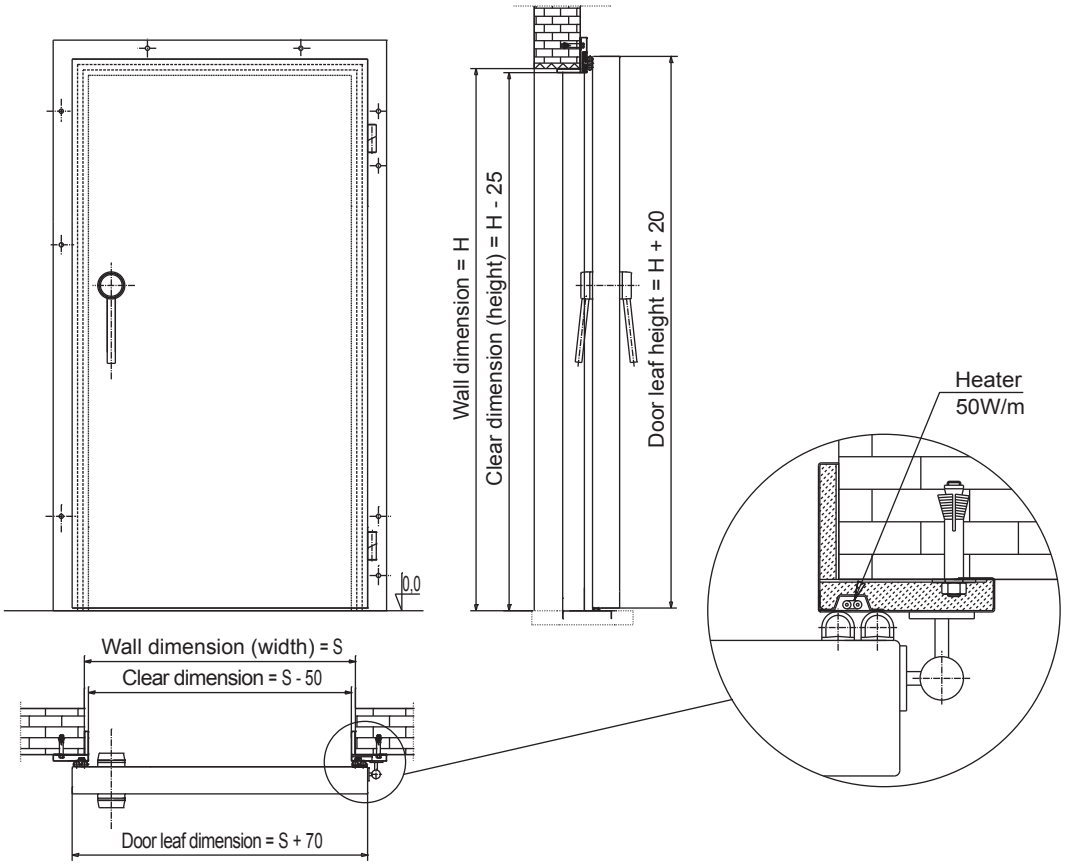


Heater Connection

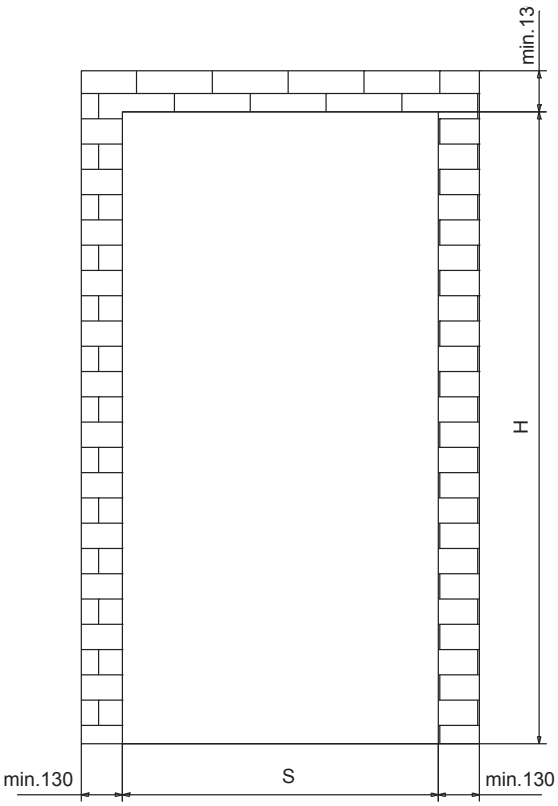


Installation Dimensions

Single leaf hinged freezer door, angle frame.



Assembly Space



	SINGLE LEAF DOOR		DOUBLE LEAF DOOR	
	ON FRAME CONSTR MZ1/P	INSIDE FRAME CONSTR MZ1/BP	ON FRAME CONSTR MZ2/P	INSIDE FRAME CONSTR MZ2/BP
Application	Freezer Rooms			
Leaf Thickness	100-150mm	100-150mm	100-150mm	100-150mm
MATERIAL				
Stainless Steel	*	*	*	*
Galvanized Painted/Powder Painted/Mix*	*	*	*	*
SURFACE VARIANTS				
Stainless Steel	V2A (1.4301), V4A (1.4401) Smooth, Circle Brushed, Line Brushed, Brushed			
Zinc Coated - Painted	Painted According To RAL Palette Colours			
Zinc Coated - Laminated	Special Foil Laminated Steel - Can Be In Different Colours And Structures			
Zinc Coated - Galvanized	As A Standard – RAL 9002, RAL 9010. Other Colours on Request			
DOOR FRAMES (MORE INFO ON PAGE 85)				
AF - Angle Frames	*	*	*	*
OS - One Side Frames	-	-	-	-
BL - Block Frame Left	*	*	*	*
BR - Block Frame Right	*	*	*	*
3-S - Block Frame 3 Sides	*	*	*	*
INSTALLATION VARIANTS (MORE INFO ON PAGE 89)				
Full Brick Wall	*	*	*	*
Sandwich Panel	*	*	*	*
Hollow Brick	*	*	*	*
HINGES				
Stainless Steel with Cover	*	-	*	-
Steel with Plastic Cover	*	-	*	-
Stainless Steel with Visible Screws	*	S	*	S
LATCHES				
Latch With Stainless Steel Handle Without Lock	*	*	*	*
Latch With Stainless Steel Handle With Lock	*	*	*	*
Latch With Stainless Steel Handle With Safe Lock	*	*	*	*
Reverse Side Latch	*	*	*	*
Simple Latch (Safe Lock Configurated)	*	*	-	-
ADDITIONAL EQUIPMENT				
Door Opening Covers	*	*	*	*
PE Door Leaf Bumpers	*	*	*	*
Bottom Stainless Steel Door Leaf Cover	*	*	*	*
Internal Front Reinforcement	*	*	*	*
Threshold	S	S	S	S

* Mix – stainless steel frame, door leaf painted. Stainless steel door leaf from internal side, painted or galvanized from external side.
** Angle frames can be made only from stainless steel. In case of galvanized steel doors we can use one side galvanized frames. Stainless steel frames can then be used as optional equipment.

Freezer Sliding Door

Sliding Freezer Doors are designed for rooms with temperatures between -5 to -45°C. There are multiple heated frames and door leaf variants, designed specifically to suit different walls, door openings, available space and customer preferences. Each freezer door has a heated frame and threshold that protects the gasket from freezing. There is also a special thermostat that regulates the temperature in case the freezer isn't working. Each door is individually designed in order to ensure durability and longevity.

Door Leaf

Can be made of: stainless steel, zinc coated galvanized steel 0.8 mm or 0.75 mm. The thickness of the door panel is:

100 mm	-25°C
120 mm	-35°C
150 mm	-45°C

The door leaf can be made as inside frame or as a space-saving half frame construction. Door panels (stainless steel) are welded in the corners, all constructon is to the highest hygiene standards and is produced with great care. All construction elements inside the door leaf are also made from stainless steel which means that our product is produced from the best quality materials.

Frames

There are several types of frames available depending on the installation conditions. Each frame is equipped with special acid-strengthening to ensure rigidity and durability. Freezer Door frames are heated (heater power dependent on installation conditions) and equipped with a thermostat that protects against overheating should the freezer stop working at any point. Optionally, it is possible to use a more cost effective overlay one side frame. Each frame is filled with polyurethane foam. The frame is installed with an acid-resistant, heated threshold (installed flush to floor level). Optionally, rather than the heated threshold, it is possible to heat the bottom of the door leaf instead.

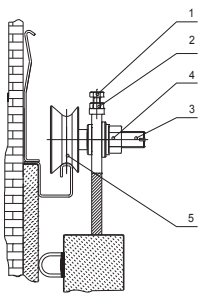
Sliding System 2 Options To Choose

Classical Sliding Rail – Standard system - refined over years of design, made entirely of stainless steel. The classical sliding rail's cover is manufactured in the same material as the door leaf. Polyethylene rollers are specially designed to ensure durability and quiet operation. When closing, the door drops down and tightens against the frame.

Pipe Sliding Rail - Constructed with aesthetic brushed stainless steel pipe and two large, special profile, black PE guide rollers. Due to the special profile of the rollers and the pipe, the door drops down and tightens against the frame as per the Classical Sliding Rail.

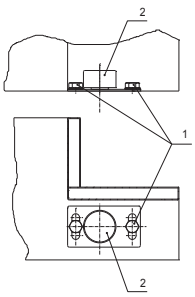
UPPER ROLLER

1. Vertical regulation bolt
2. Lock nut
3. Roller bolt (horizontal regulation)
4. Lock nut
5. Roller



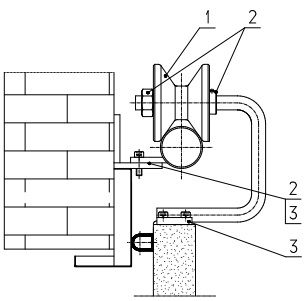
DOWN ROLLER

1. Installation bolt
2. Down roller of sliding system



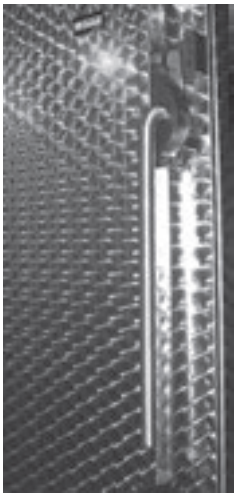
UPPER ROLLER

1. Roller
2. Horizontal regulation
3. Vertical regulation

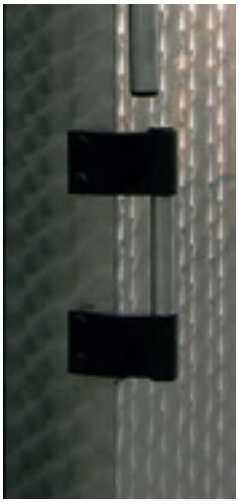


Standard Equipment

Integrated Internal-External Pusher



Internal and External Handles

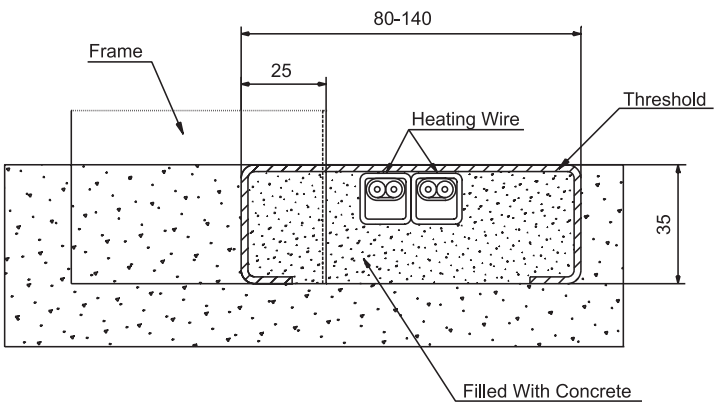


Sealing

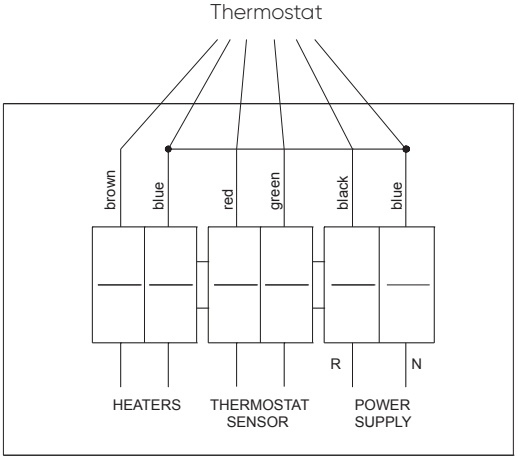
Each freezer door is equiped with double, special dual component gaskets installed in a special plastic profile. This solution eliminates the thermal bridge of the door leaf and guarantees tightness.

Heated Threshold

Made from 2mm thick stainless steel with special reinforcements inside, concrete and removable heaters. This is a strong construction prepared for heavy load trucks.

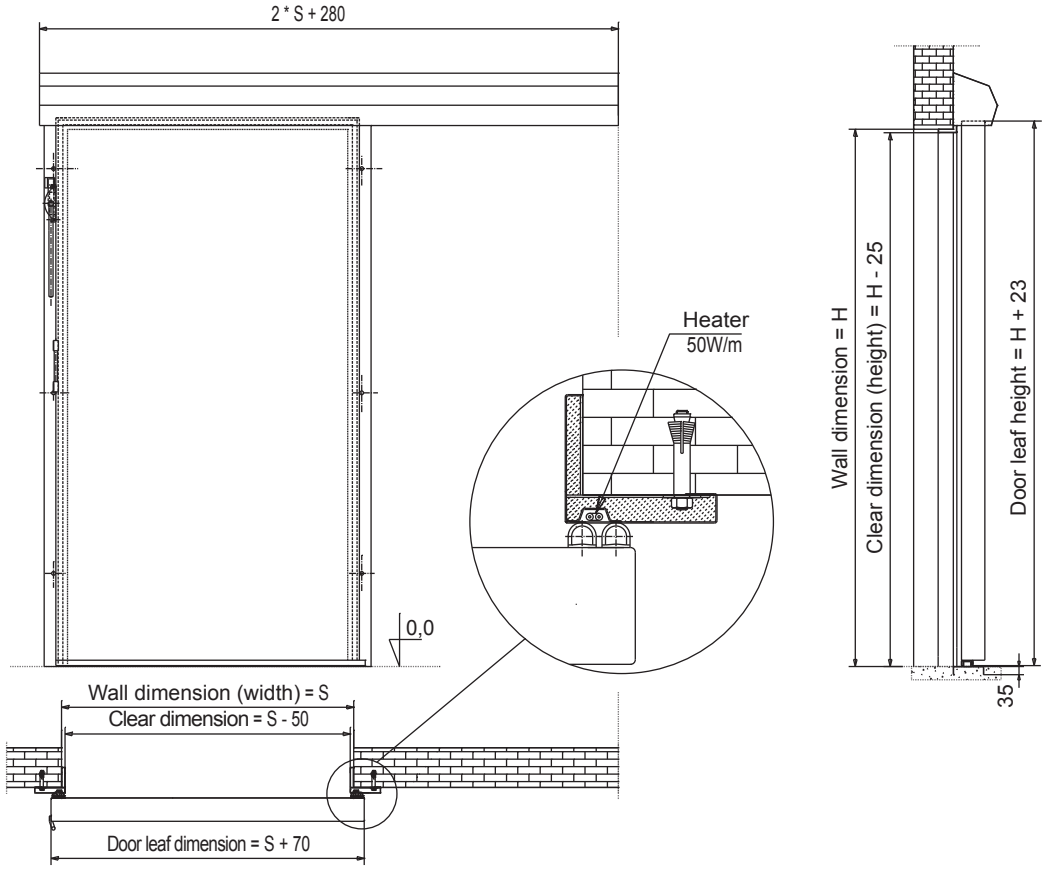


Heater Connection

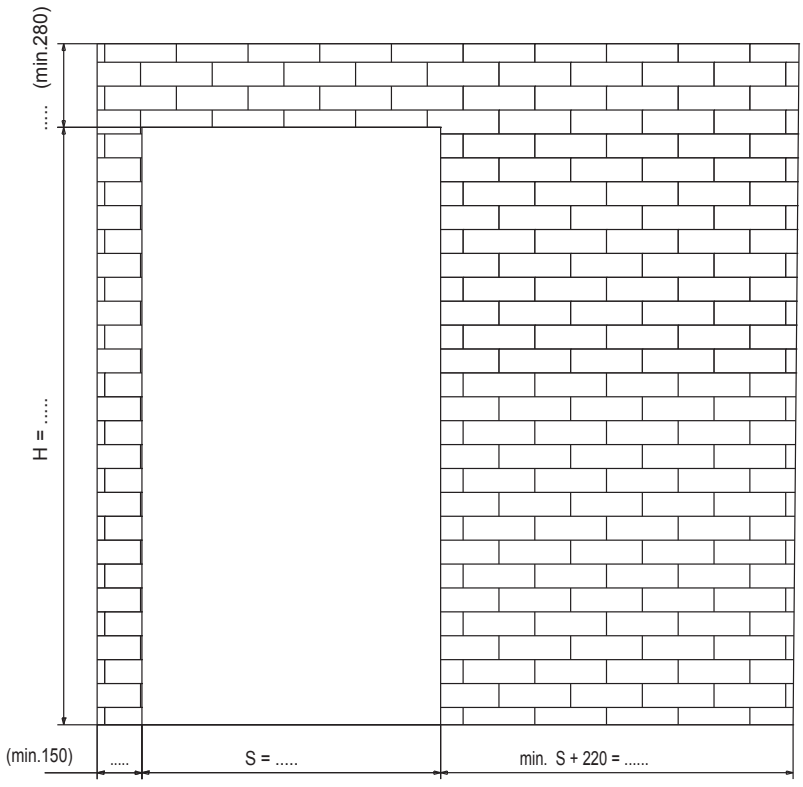


Installation Dimensions

Freezer sliding doors - classical sliding rail, angle frame.



Assembly Space



dimensions in mm

	MP100	MP120	MP150
Application	Freezers -25°C to 0°C	Freezers -30°C to -25°C	Shock Freezers -45°C to -30°C
Leaf Thickness	100mm	120mm	150mm
MATERIAL			
Stainless Steel	*	*	*
Galvanized Painted/Powder Painted/Mix*	*	*	*
SURFACE VARIANTS			
Stainless Steel	V2A (1.4301), V4A (1.4401) Smooth, Circle Brushed, Line Brushed, Brushed		
Zinc Coated - Painted	Painted According To RAL Palette Colours		
Zinc Coated - Laminated	Special Foil Laminated Steel - Can Be In Different Colours and Structures		
Zinc Coated - Galvanized	As a Standard – RAL 9002, RAL 9010. Other colours on request		
DOOR FRAMES (MORE INFO ON PAGE 85)			
AF - Angle Frames	S	S	S
OS - One Side Frames**	O	O	O
BL - Block Frame Left	O	O	O
BR - Block Frame Right	O	O	O
OP - Wide Frame for Wall with Styrofoam	O	O	O
ASSEMBLY VARIANTS (MORE INFO ON PAGE 85)			
Full Brick Wall	*	*	*
Sandwich Panel	*	*	*
Hollow Brick	*	*	*
LOCKS			
Lock for Sliding Doors	O	O	O
Safe Lock	O	O	O
Double Lock	O	O	O
Reverse Side Lock	O	O	O
ADDITIONAL EQUIPMENT			
No Threshold - bottom of the door leaf heated.	*	*	*
Door Opening Covers	*	*	*
PE Door Leaf Bumpers	*	*	*
Bottom Stainless Steel Door Leaf Cover	*	*	*
Internal Front Reinforcement	*	*	*
Wide Door Frame For Door Opening with Styrofoam	*	*	*

* Mix – stainless steel frame, door leaf painted. Stainless steel door leaf from internal side, painted or galvanized from external side.
** Angle frames can be made only from stainless steel. In case of galvanized steel doors we can use one side galvanized frames. Stainless steel frames can then be used as optional equipment.

Magnetic Door For Cold Storage and Deep Freezers

The magnetic door is designed for rooms with temperatures from 0°C to +5°C. It is designed to ensure durability and longevity. Its design includes a special magnetic seal which ensures tightness and quick access to the cold storage facility while maintaining easy operation of the door. Furthermore, they are equipped with a specially designed tube handle to facilitate easy use.

Door Leaf

The door panel can be made of acid-resistant steel (smooth, ground or circular-grained) or zinc-coated steel (coated or painted). The door panel is sheathed with 0.8 mm thick acid-proof steel or 0.75 mm thick coated steel. The door leaf panel thickness depends on its structure: the rebated panel 60mm; the semi-rebated and non-rebated – 80mm. The door panels manufactured by our company are welded at the corners. Thanks to this they are hygienic and have an attractive appearance. Acid-proof reinforcements are installed inside the door panels.

Sealing

Double component black rubber seal, at the bottom of the door leaf – double lip riveted, mounted on site around the edge – single lip, inserted in a special plastic profile, causing interruption of the thermal bridge (single in the case of cold store doors, double in the case of freezer doors).

Frames

There are several types of frames available to suit various installation conditions. Each frame is equipped with special acid-proof reinforcements ensuring structural durability and rigidity. Standard cold storage doors have an angular frame. There is also a more cost-effective option using a top mount frame or other type (depending on installation conditions). Each frame is filled with polyurethane foam.

Hinges

Standard hinges are made of acid-proof steel. Depending on the installation, these can be straight or drop type hinges.

Locks

Standard doors with an acid-proof steel handle, come without a lock.

Options

- double glazing
- encasing frames
- block frame
- door closer
- acid-proof steel grained in rings or stripes
- painting in any RAL colour, single or double-sided
- protective door guards made of PE or acid-proof steel (applicable to coated steel doors)
- threshold made of acid-proof steel

0800 807 753
105 Glover Road, Hawera, 4610
PO Box 340, Hawera, 4640

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