

M MACRO KOLD

The Leader Insulated Door





Applications

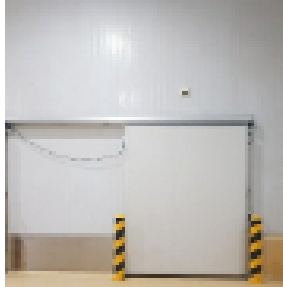
- Mid-&large-size freezer/refrigerator warehouse for agricultural, fishery, and livestock products
- Low temperature logistics center
- Low temperature work site for food plant (HACCP facility)
- Low temperature storage room for pharmaceutical company

Features

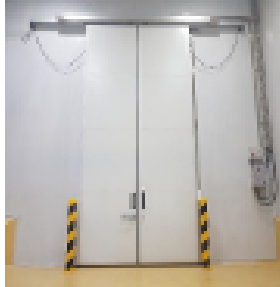
- Small but powerful Power BLDC Motor
- Motor drive with a micro-processor (Self calibration function)
- No wooden parts / Aluminium / lightweight / durable
- Opening button
- Built-in control box in rail for safety
- 99 channel wireless remote control (RF communication)
- Door Heater & Flame Heater

Advantage

- Made in Korea / High Quality
- Custom any size
- 3 side Frame Heater / Door Heater
- Single Touch door opening system for Safety



Single door



Double door

Specifications

DIVISION	STANDARD
Surface Material	Pre-coated Steel Plate
Surface Color	Ivory
Insulation Thickness	75T / 100T / 125T / 150T
Type of Insulation Material	PU / PIR
Maximum Specification (Openig)	Double-leaf Door : 6000W X 5300H / Single-leaf Door : 4000W X 5300H
Power Source	Single phase 220V 60Hz
Motor	Brushless DC Motor 150W / 24V
Control Device	Opening Switch / Wireless Remote Control
Safety Device	Door Tap Switch (Safety sensor + Contact type) / Emergency release device
Power Transmission	Rubber Covered Timing Belt
Material of Gasket	Thermo-Plastic Elastomer
Operating Temperature	Driving unit : -25 ~ 65°C / Indoor temperature : -50°C ~ Ordinary temperature
Options	Air Curtain / Floor Heater



Single door



Double door

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- Low temperature logistics center
- Low temperature work site for food plant (HACCP facility)
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Features

- No wooden parts / Aluminium / lightweight / durable Opening button
- Door tap switch for safety
- Door Heater & Flame Heater

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Surface Material	Pre-coated Steel Plate
Surface Color	Ivory
Insulation Thickness	75T / 100T / 125T / 150T
Type of Insulation Material	PU / PIR
Maximum Specification (Openig)	Double-leaf Door : 6000W X 5300H / Single-leaf Door : 3000W X 4200H
Safety Device	Door Tap Switch / Emergency release device
Material of Gasket	Thermo-Plastic Elastomer
Operating Temperature	Indoor temperature : -50°C ~ Ordinary temperature
Options	Air Curtain / Floor Heater



Single - leaf Overlap Door



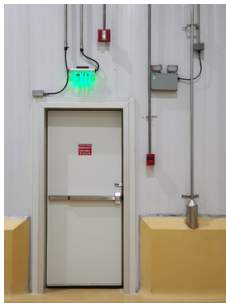
Walk-in Type



Roll-in Type



For slaughtering
Freezer Facilities



Fire Exit Door

Applications

- Cold Room and freezer (Butcher shop / restaurant / mart / feeding facilities / etc.)
- Door for low temperature logistics center / meat processing etc.
- Cold storage room for medicine / Low temperature laboratory / etc.
- Fire Exit

Features

- Easy to install
- Aluminium + PVC frame is applied to improve insulation
- Door Heater & Flame Heater
- Silicone packing applied
- Condensation protection heater in the frame
- Insulation thickness : 100T / 125T / 150T
- Stainless steel plate / Color steel plate (Gray/White/Ivory)

Double - leaf Overlap Door



Applications

- Freezer / Refrigerator and rapid freezing for fishery and livestock
- Door for low temperature food processing facilities etc.
- Cold storage room for medicine / Low temperature laboratory / etc.

Features

- Easy to install
- Excellent durability and airtightness
- Door Heater & Flame Heater
- Silicone packing applied
- The viewing window is optional
- Insulation thickness : 100T / 125T / 150T
- Stainless steel plate / Color steel plate (Gray/White/Ivory)



Applications

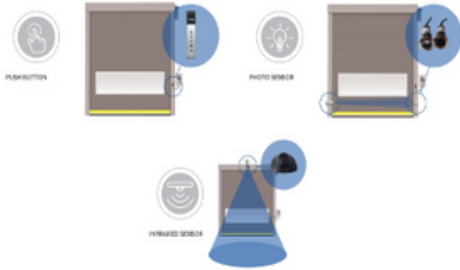
- Mid-&large-size freezer/refrigerator warehouse for agricultural, fishery, and livestock products
- Automated factories / Food production / Logistics center

Features

- Strong power & high durability
- Optimally designed Control Panel
- Safety Edge & Wind lock

Advantage

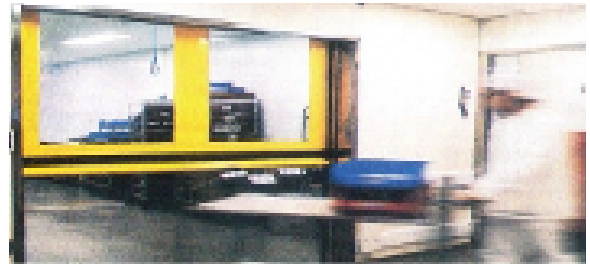
- Made in Korea / High Quality
- Automatically self-repairs
- Door still can be opened & colsed when power failure
- Easy maintenance & Guaranteed quality



HS 1000

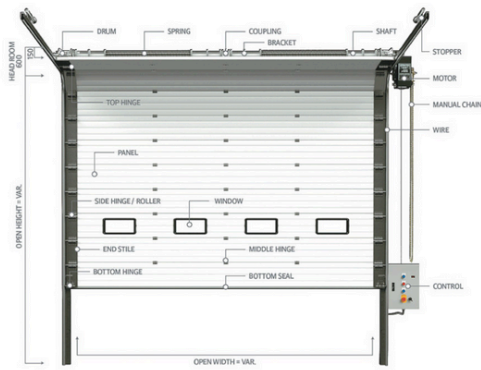


HS 2000



Material	THK 2.5 Fabric (PET weaving + Acrylic)
Counter Balance	Tension Spring Balance
Open Rate	1.5 ~ 2.5 m/s
Close Rate	0.5 ~ 1.5 m/s
Wind Pressure	20 m/s
Adaptation Temp.	-35°C ~ +85°C
Auto Recovery	N/a
Safety Edge	Pneumatic sensor
Max Size	6000(W) X 6000(H)

Material	THK 3.0 Fabric (Triplification of PET)
Counter Balance	Weight Balance
Open Rate	1.0 ~ 2.5 m/s
Close Rate	0.5 ~ 1.0 m/s
Wind Pressure	28 m/s
Adaptation Temp.	-20°C ~ +60°C
Auto Recovery	Applied
Safety Edge	Wireless Sensor
Max Size	6000(W) X 6000(H)



Applications

- Dry / Cold Storage
- Door for logistics center / meat processing / factories etc.

Features

- 50 ~ 75 mm thick polyurethane
- PET Coating
- Double-sealed structure / Thermal - break

HT 250

HT 250A

HT 275

HT 275A



Material	Both-side 0.6mm GI	Both-side 0.6mm GI	Both-side 0.6mm GI	Both-side 0.6mm GI
Finish Material	Stucco Embo / PET coating	Stucco Embo / PET coating	Stucco Embo / PET coating	Stucco Embo / PET coating
Insulation	THK 50mm PU	THK 50mm PU	THK 50mm PU	THK 50mm PU
Heat	0.019 W/mk	0.019 W/mk	0.019 W/mk	0.019 W/mk
R-Value	3.95	3.95	2.64	2.64
Panel Pitch	530mm / 610mm	530mm / 610mm	530mm / 610mm	530mm / 610mm
Auto Recovery	5M (W) X 8M (H)	5M (W) X 8M (H)	2M (W) X 8M (H)	2M (W) X 8M (H)

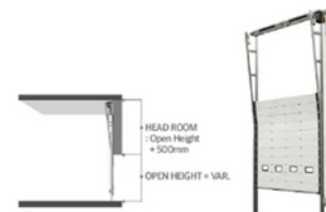
Standard Type



Hi-Lift Type



Vertical Type



EXHAUST DOOR (Lever)



Applications

- For harmful gas and odor exhaust in the low temperature agricultural products storage warehouse
- Suitable for places where manual operation is difficult due to high installation position

Features

- Ventilation door installed in a high place can be opened and closed easily by the Lever
- Ventilation fan - can operate simultaneously with the door opening by limit switch

Specification

- Door size : 500W X 500H X 100T (Wall opening Size : 540W X 540H)
- Material : Aluminum molding / Stainless steel
- Options : Ventilation fan / Limit switch / Insulated duct

AUTO EXHAUST DOOR



Applications

- For harmful gas and odor exhaust in the low temperature agricultural products storage warehouse
- Where periodic ventilation & timely ventilation are required

Features

- The automatic door can ventilate periodically by timer (Open / Close)
- Automatic control system

Specification

- Door size : 500W X 500H X 100T (Wall opening Size : 560W X 560H)
- Material : PVC molding / Stainless steel
- Options : Ventilation fan / Insulated duct
- Power : Single phase 220V / 0.2 kW

SUB DOOR



Applications

- Space where inspection is required (Ceiling / Access door etc.)
- Where you want to minimize heat loss during loading or unloading storage

Features

- Easy to install
- Ventilation fan - can operate simultaneously with the door opening by limit switch

Specification

- Door size : 500W X 500H X 100T (Wall opening Size : 560W X 560H)
- Material : PVC molding / Stainless steel
- Options : Ventilation fan / Limit switch / Insulated duct

※ Other size can be produced by order

All standards, specifications and designs are subject to change without prior notice for quality enhancement, performance improvement and design improvement



AIR CURTAIN



Applications

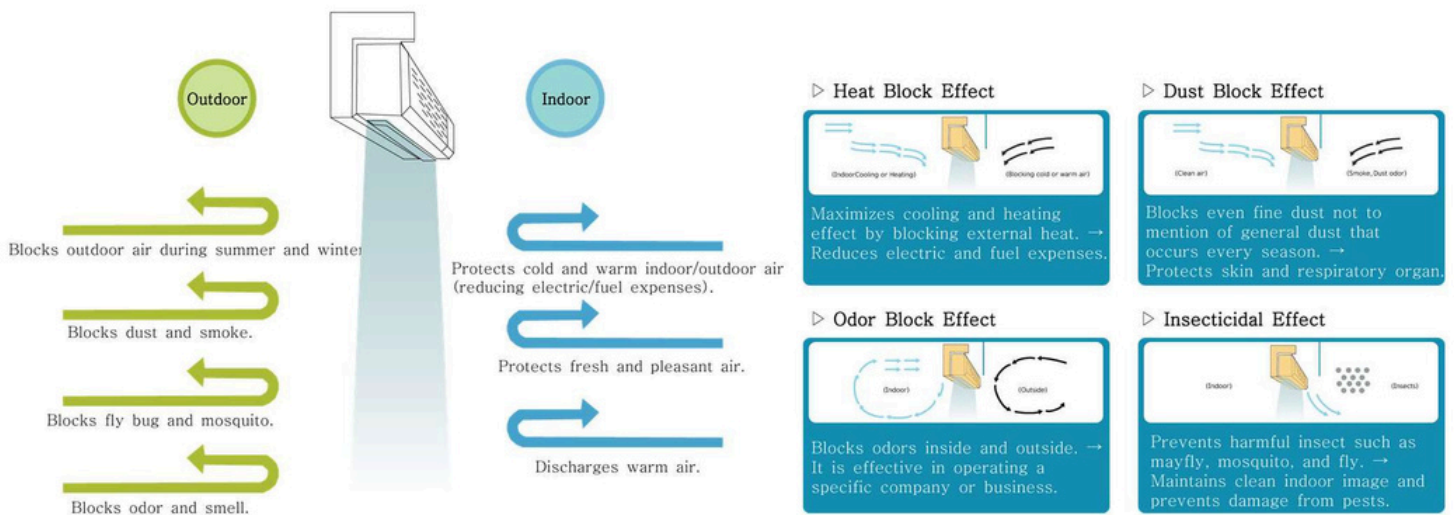
- Freezer / Refrigerator warehouse door for agricultural / fishery / and livestock products - Dock area (Loading / Unloading area)
- Plants and commercial facilities

Features

- Low noise blower motor
- Wind velocity distribution is even and straightness is excellent

Specification

- Model size : 900W / 1000W / 1200W X 500H X 100T
- Power source : 1 Phase 220V
- Wind speed control : 2 stages (Strong : 14~15m/s, Weak 12~13m/s)



SWING DOOR



Applications

- Cold / Dry Storage warehouse door
- Plants and commercial Store Storage facilities

Features

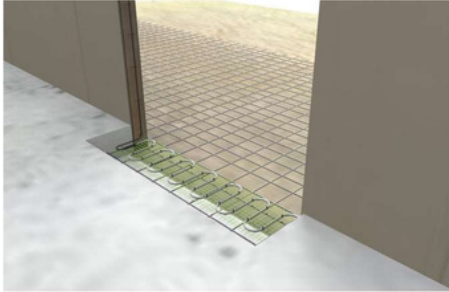
- Easy to install
- A door that opens & closes solely by the inclined axes of the upper and lower hinges without a separate opening & closing mechanism

Specification

- Insulation thickness : 100T / 125T / 150T
- Option : Rubber plate



FLOOR HEATER



Applications

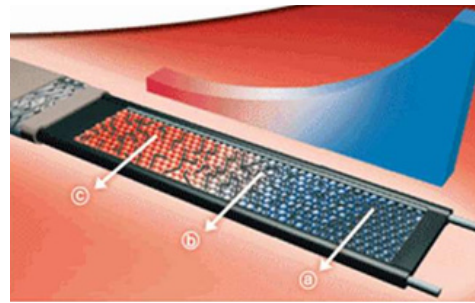
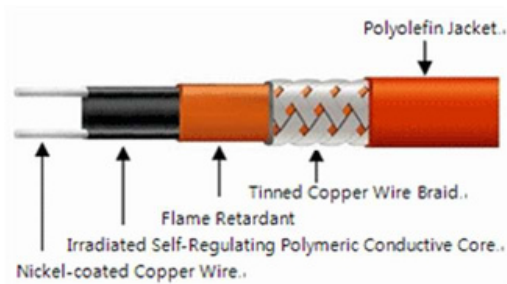
- This heater is installed inside the concrete before placing the concrete
- Bottom of all sub-zero freezer door

Features

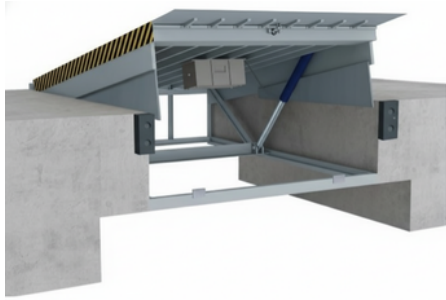
- Self regulating heating cable maintains the temperature w/o thermostat
- Easy to construct due to flexible materials

Specification

- Out put : 40 W/m (Based on 10°C)
- Power source : 1 Phase 220V
- Maximum operating temperature : 65°C ~ 100°C



- Ⓐ When the temperature is low, much current is consumed.
- Ⓑ When the temperature is medium, normal current is consumed.
- Ⓒ When the temperature is high, small amount of current is consumed



Applications

- Cold storage / Logistics Warehouse / Factories loading & unloading operation area

Features

- Easy operation / Standard solution
- Universal & flexible docking system
- Allowing optimal load utilization
- Made with Stainless steel - highly resistant to rust, corrosion

Swing Type Dock Leveler



Telescopic Dock Leveler



operation Method	Electric Hydraulic	Electric Hydraulic
Capacity	6 ~ 12 Ton	6 ~ 12 Ton
Using Range	Upper 250 - 620 mm / Lower 270 mm - 350 mm	Upper 300 - 660 mm / Lower 290 mm - 760 mm
Lit plate length	400 mm	500 / 1000 mm
Power outlet	3 phase / 380V	3 phase / 380V
Upper Skin	SUS	SUS
Motor Capacity	1.5 kW	1.5 kW
Safety	Safety valve, Emergency stop button, Toe guard	Safety valve, Emergency stop button, Toe guard

※ Custom any size



Applications

- Places where temperature levels must be maintain to prevent air infiltration
- Cold storage / Food production facilities etc.

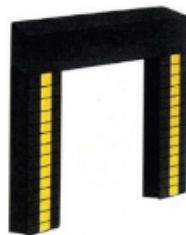
Features

- The product comes with a top pad / two side pads / bottom pad (option)
- Perfect sealing effect

Air - Tighness

Using a special fabric and urethan foam core designed for dock seal, it provides an excellent sealing and restoration even with long-term and frequent use. It is available in three types - fixed top, curtain top, and movable top

HT 600



HT 700



HT 800



Method	Upper PAD fixed type	Upper Curtain type	Upper Pad moving type
Fabric	Dock Seal exclusive Fabric (40 oz Vinyl / 40 oz Hypalon)		
Inner Filling	High density polyurethane form		
Option	Lower pad / Upper hood / Antibacterial Fabric		

1. Top Pad
2. Vertical Pad
3. Guide Strip





Applications

- Places where mid-sized & big vehicles come in & out and where contaminants from the air outside

Features

- High-performance 3mm-thick polyester fabrics
- Bracing arm & spring structure
- Provide high stability after the vehicle's de[arture

Curtain	Thk 3.0 mm High-performance polyester Fabric / Black
Frame	Extruded aluminum anodizing
Shock absorber	Bracing Arm + Spring + Cable
Guide for vehicle	Yellow
Option	Side pad for shock absorption
Standard size	3,450(W) X 3,400(H) X 600(D)

1. Top Curtain
2. Side Curtain
3. Multiple Cover Fabric
4. Guide Strip
5. Flexible Frame





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SANTA ROSA



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BATANGAS
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CAVITE



CLARK



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