

COLD STORAGE DOOR

BUILT FOR LOW TEMPERATURE. DESIGNED FOR PERFORMANCE.



1. Product Overview

Cold Storage Doors are specially engineered to maintain low temperature conditions, ensure energy efficiency, and provide reliable operation in refrigerated and frozen environments. These doors offer excellent insulation, airtight sealing and durability for demanding applications in cold rooms, freezers and temperature-controlled facilities.

2. Door Types

- 1. Hinged Doors :** Single or double leaf insulated doors with excellent thermal insulation and airtight sealing. Suitable for personnel access and smaller cold room openings.
- 2. Sliding Doors :** Space-saving insulated sliding doors designed for larger cold room openings and frequent access.
- 3. Vertical Lift Doors :** Vertical lift doors designed to provide easy operation while minimizing floor space requirements.
- 4. Roller Doors :** High-speed roller doors designed for quick access and reduced temperature loss in high-traffic areas.
- 5. Rapid Freezer Doors :** High-speed doors specially designed for freezer applications, providing fast opening and effective temperature sealing.
- 6. Blast Freezer Doors :** Heavy-duty insulated doors designed for extremely low-temperature blast freezer environments.
- 7. Cold Room Doors :** Insulated doors designed to maintain controlled temperatures in chilled and refrigerated storage rooms.
- 8. Freezer Room Doors :** Specially insulated doors designed for frozen storage areas and low-temperature applications.



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9. Hermetic Doors : Airtight doors designed for applications requiring high hygiene, controlled temperature and minimum air leakage.

10. Hygienic Doors : Easy-to-clean doors with smooth surfaces, suitable for food processing, pharmaceutical and other hygiene-sensitive environments.



3. Key Features

- ✓ Excellent thermal insulation to minimize energy loss
- ✓ Airtight sealing to maintain temperature and humidity
- ✓ Durable construction for long-lasting performance
- ✓ Easy and safe operation
- ✓ Suitable for chilled and frozen applications
- ✓ Safety release inside for emergency exit
- ✓ Low maintenance and high reliability
- ✓ Custom sizes and configurations available
- ✓ Withstands extreme temperature conditions
- ✓ Compatible with access control and automation systems



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4. Technical Parameters

❄️ TECHNICAL PARAMETERS ❄️		
PARAMETER	SPECIFICATION	
 Temperature Range	+10°C to -40°C	
 Door Thickness	80 mm / 100 mm / 120 mm / 150 mm	
 Insulation Material	High Density Polyurethane (PUF)	
 Door Panel Material	Pre-coated Steel / Stainless Steel / Galvanized Steel	
 Frame Material	Aluminum / PVC / Stainless Steel	
 Seal Type	EPDM / PVC gasket for airtight sealing	
 Operation	Manual / Semi-Automatic / Automatic	
 Applications	Chilled Rooms, Frozen Rooms, Blast Freezers	
 Optional Accessories	View Window, Kick Plate, Ramp, Heater (for freezing conditions), Locking	

5. Applications

- Cold Storage & Warehouses
- Food & Beverage Industry
- Dairy & Milk Processing
- Meat, Poultry & Seafood
- Pharmaceutical Industry
- Fruit & Vegetable Storage
- Ice Cream & Frozen Food Industry
- Logistics & Distribution Centers



6. Installation Process

6. INSTALLATION PROCESS		
1		 Site Survey Site evaluation and measurement as per requirement.
2		 Product Selection & Design Selecting the right door type and configuration for the application.
3		 Manufacturing Precision manufacturing using high-quality materials.
4		 Installation Professional installation by experienced technicians.
5		 Sealing & Adjustment Proper sealing and alignment for maximum insulation.
6		 System Testing Testing door operation, safety features and performance.
7		 Commissioning Final inspection and commissioning for smooth operation.
8		 Handover Training and handover to ensure safe and efficient use.

7. Maintenance Guidelines

- Regular inspection of door panels, seals and hardware.
- Check and clean seals for proper airtight performance.
- Inspect hinges, rollers and tracks for smooth operation.
- Lubricate moving parts and hardware periodically.
- Check and tighten bolts, screws and fittings.
- Inspect safety devices and emergency release.
- Ensure proper operation of automatic systems.
- Recommended preventive maintenance every 6 months.

