

AGD Freezer Glass Doors

PRODUCT MANUAL

Product Overview

Freezer Glass Doors are designed specifically for ultra-low temperature environments, providing maximum energy efficiency and frost control while maintaining full product visibility. These sliding doors are ideal for grocery freezer aisles, beverage storage, cold chain management, and other commercial freezer applications.

With triple-pane heated Low-E glass insulated with Argon gas, these doors reduce thermal loss, prevent condensation, and maintain clarity even in high humidity conditions. Anti-sweat systems, thermally broken aluminum frames, and integrated LED lighting optimize energy efficiency and product presentation. Heavy-duty sliding mechanisms and ergonomic handles ensure durability, quiet operation, and long-term reliability in high-traffic freezer environments.

Applications

- Grocery freezer aisles and beverage storage cases.
 - Cold chain environments and industrial freezers.
 - Convenience store frozen food sections.
 - Retail and commercial frozen food displays.
 - Foodservice and institutional freezer installations.
 - High-traffic beverage, dairy, or frozen food sections.
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Benefits

Energy Efficiency: Heated triple-pane Low-E glass with Argon insulation reduces cold air loss and energy consumption.

Frost Control: Anti-sweat and heating elements prevent frost and condensation buildup.

Durability: Thermally broken aluminum frame and heavy-duty sliding hardware provide long-lasting performance..

Visibility: Clear glass maximizes product merchandising impact.

Safety & Compliance: Designed for commercial freezer applications with robust hardware.

Maintenance Reduction: Reduced frost accumulation lowers cleaning and maintenance requirements.

Key Features

- Triple-pane heated Low-E glass with Argon gas insulation.
- Anti-sweat heating elements for moisture control.
- Thermally broken aluminum frame for minimal thermal loss.
- LED lighting optimized for low-temperature use.
- Soft-close sliding mechanism for quiet, smooth operation.
- Heavy-duty ergonomic handles for high-traffic use.
- Designed for -10°F freezer environments.
- Reduced frost accumulation for lower maintenance.
- Compatible with smart energy management systems.

Technical Specifications

| Specification | Value |
|------------------------------|--|
| Available Door Sizes | 24 x 80 / 26 x 80 / 30 x 80 / 36 x 84 in |
| Opening Type | Single |
| Energy Consumption | 3.0 kWh/day |
| Operating Temperature | -10 to 0 °F |
| Frame Material | Aluminum |
| Glass Type | Triple-pane Low-E |
| Frost Prevention | Anti-sweat heating elements |
| Door Hinge Type | Self-closing, field-reversible |
| Handle Type | Heavy-duty ergonomic handles |
| Lighting | Integrated LED |
| Finish Options | Black or Silver |

Installation Considerations

- Designed to fit standard commercial freezer openings.
 - Compatible with standard freezer lighting and shelving layouts.
 - Requires standard electrical connection for LED lighting and heated glass (120V).
 - Sliding hardware requires proper wall or frame anchoring for maximum durability.
 - Thermally broken aluminum frame requires correct insulation integration.
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Optional Features

- Motion-sensor or timer-activated LED lighting for energy savings.
 - Additional custom door sizes available on request.
 - Replacement glass panels for easy maintenance.
 - Enhanced gasket systems for superior thermal performance.
 - Specialized locks or security options for retail applications.
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Summary

Freezer Glass Doors deliver high-performance, energy-efficient solutions for commercial and industrial freezer applications. Combining heated triple-pane Low-E glass, Argon insulation, anti-sweat technology, and quiet soft-close sliding mechanisms, these doors reduce frost buildup, lower energy costs, and maximize product visibility.

Engineered for durability, safety, and long-term reliability, these doors are ideal for grocery stores, cold chain environments, beverage storage, and institutional freezer applications.