AGD Cooler Glass Doors

PRODUCT MANUAL

Product Overview

AGD® Innovator Cooler Glass Doors are engineered to combine exceptional energy efficiency, durability, and product visibility in commercial refrigeration applications. Designed for high-traffic grocery stores, convenience stores, beverage aisles, and walk-in coolers, these doors maximize operational efficiency while ensuring long-lasting performance.

The doors feature a robust aluminum frame with triple-pane Low-E glass insulated with Argon gas, reducing thermal loss and condensation. With advanced LED illumination, ergonomic handles, and self-closing hinges, these doors ensure a safe, convenient, and energy-efficient refrigeration solution for commercial environments.

Applications

- Walk-in coolers and freezers in grocery stores.
- Beverage and convenience store refrigerated display cases.
- Retail frozen food aisles.
- Commercial foodservice refrigeration.
- High-traffic beverage or dairy sections.
- Industrial and institutional refrigeration solutions.

Benefits

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

Durability: RIM-injected molded doors and heavy-duty hinges provide long-lasting commercial use.

Visibility: Clear, insulated glass maximizes product visibility and merchandising impact.

Safety & Compliance: DOE compliant, ETL-listed, and designed for high-cycle commercial use.

Flexibility: Field-reversible door swing allows installation in tight or pre-existing spaces.

Maintenance Reduction: Advanced anti-sweat technology prevents condensation build-up.

Lighting: Integrated LED lighting enhances visibility while reducing energy costs.

Key Features

- RIM-injected molded doors for maximum rigidity and longevity.
- Triple-pane Low-E glass with Argon gas for superior insulation.
- LED lighting integrated in the frame for high visibility and energy savings.
- Heavy-duty ergonomic handles for easy access in busy environments.
- Advanced condensation control and anti-sweat technology.
- DOE compliant and ETL listed for safety.
- Optional motion-sensor activation for energy efficiency.
- Self-closing hinge system rated for high-cycle commercial use.
- Field-reversible door swing for installation flexibility.
- Black or silver frame finish options.
- Designed for high-traffic commercial and industrial refrigeration.

Technical Specifications

Specification	Value
Available Door Sizes	18 x 80 / 20 x 80 / 24 x 80 / 26 x 80 / 30 x 80 in
Opening Type	Single
Energy Consumption	2.5 kWh/day
Operating Temperature	34 to 40 °F
Frame Material	Aluminum
Glass Type	Triple-pane Low-E
Insulation	Argon gas filled
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 refrigeration openings.
- Field-reversible swing for left- or right-handed installation.
- Compatible with standard cooler lighting and shelving layouts.
- Requires standard electrical connection for LED lighting (120V).
- Heavy-duty hinges require proper wall anchoring for maximum longevity.

Optional Features

- Motion-sensor activation to reduce energy usage in low-traffic periods.
- Additional door sizes and custom frame are available on request.
- Replacement glass panels for easy maintenance.
- Enhanced gasket systems for even greater thermal efficiency.
- Specialized locks or security options for retail applications.

Summary

The AGD® Innovator Cooler Glass Doors are designed to meet the rigorous demands of commercial refrigeration environments. Combining energy efficiency, durability, superior insulation, and ergonomic design, these doors provide a cost-effective solution that enhances product visibility, reduces energy costs, and ensures long-term reliability.

Whether used in grocery stores, convenience stores, or industrial refrigeration systems, AGD® doors offer a high-performance, flexible, and safe solution for modern commercial refrigeration needs.