

Barrier Glider® Cold Storage Door - Bi-Parting

The Barrier Glider improves on the technology of traditional cold storage doors to deliver more value at your temperature controlled openings.

Iso-Tek® panel construction is combined with the Thermal-Flex Sealing System to help you achieve superior environmental separation at your opening with lower energy costs.

Flexible Iso-Tek® panels deliver superior environmental separation and increased impactability.

Simple, straightforward design provides long-term performance.

High speed operation maximizes the time the door is closed to help reduce energy costs.

Energy efficient design reduces heat gain into cold storage areas, lowers energy costs.



Panels seal tight against wall, yet release upon impact with unique panel retention system.

Thermal-Flex Sealing System provides a warm flexible seal while using a fraction of the energy of other door systems.



Panel Retention System



Flexible, impactable insulated panels ($k= 0.568 \text{ W/m}^2\text{K}$)

Specifications

Speed

- » **Opening:** up to 2.00 m/s
- » **Closing:** up to 0.75 m/s

Size

- » **Bi-parting door**
 - Minimum** – 1830 mm x 2440 mm
 - Maximum** – 3660 mm x 6100 mm
- » **Available also in Single Slide door**

Temperature range

-30° to +50° C

Panel design

Flexible, impactable panels ($k = 0.568 \text{ W/m}^2\text{K}$) are 76 mm thick with insulating foam core. Panels covered with 1020 g/m² gray (optional white panels) polyurethane fabric. Optional 4-pane vision panels are 355 mm x 815 mm. Panel retention system keeps panels tight against seals, yet allows panels to swing away from the wall upon impact and automatically reset.

Graphic User Interface (GUI)

7" (178 mm) LCD touch screen interface, that displays real time door status, and provides increased safety by allowing an individual to simply access the control box settings without wearing the necessary PPE often required for accessing a live electrical panel.

Control box

The i-COMM™ III Digital Controller has variable frequency drive. The IP66 box is prewired with external connections brought into pre-coded terminals.

Electrical requirements

- » **Three-Phase** – 400V

Thermal-Flex Sealing System

Consists of a heated perimeter seal heated floor seal and thick insulated seal nose. (Optional: heated nose seal).

Header/trolley assembly

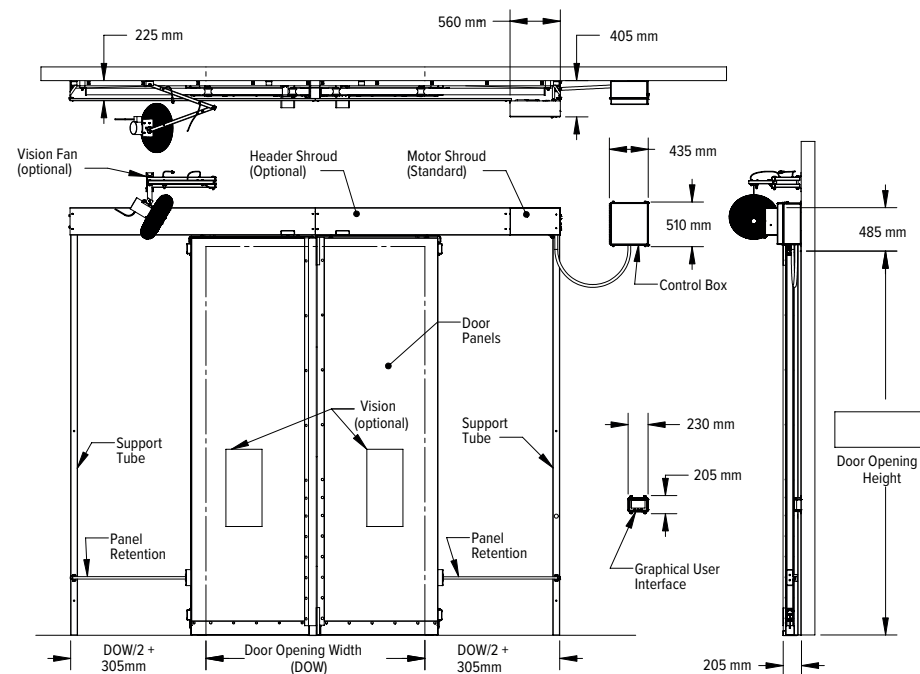
Track constructed of heavy gauge round tubing to provide large wear surface for the trolley's urethane rollers. Hourglass-shaped rollers allow panel to rotate on the track for enhanced panel impactability. Self-supporting on two floor mounted beams constructed of 38 x 77 x 2 mm steel tubing.

Drive system

0.75 kW AC motor with a power on brake. The beveled gearbox can be back driven in the event of a power outage, which will disengage the brake, and allow the panels to be manually opened and closed.

Safety features

Quick operation helps prevent impact. Flexible panels, panel retention system and tubular track/roller system help prevent impact damage. Automatic reversing when obstruction is encountered in opening, without use of reversing edge. Optional vision panels.



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