

ColdGuard™

Bi-Parting Sliding Cold Storage Doors

Designed for high cycle, abusive applications the ColdGuard sliding door is the workhorse of our product offering. We offer bi-parting doors for coolers and freezers in a variety of finishes. Durability is the key to long life in a horizontal sliding door. Design features including a heavy duty FRP framework, heavy duty track system with permanently lubricated rollers and molded polymer casings make the ColdGuard the "best in class." All horizontal door systems are available manual or motor operated. Standard 4" thick and optional 6" (for applications below -20°F) are available. All door components including track, panel gasket system and optional operator are designed to provide years of trouble free service.

Door Features

- No wood
- FRP framework
- Non-CFC insulation
- Extruded polymer casings
- PerfectSeal gasket system
- Heavy duty track
- Non-marking stay rollers
- Concealed floor guides
- Perimeter heat on freezer doors
- Freezer doors are ETL listed
- 4" panel has an R value of 32
- 6" panel has an R value of 48

Door Options

- Variety of finishes
- Vision panels
- 6" thick panels
- Jamb wall caps
- Thru-wall jambs
- Locking devices
- Mirror casings
- Vertical casings
- Header casings
- Kickplates
- Trackhood
- Variety of operators
- Time delay close
- Electric interlock
- 3-button partial opening control
- Activators
- NEMA 4 control box



Traditional cold storage doors are manufactured with wood frames and casings. However, wood swells, warps and rots when subjected to moisture and large temperature differentials. Pressure treated wood can solve the rotting problem, but tends to warp even more than untreated wood. Organic materials such as wood can also harbor bacteria, mold and fungus. ColdGuard's fiberglass reinforced pultrusions (FRP) eliminate the need for an internal wood framework.

The PerfectSeal gasket system utilizes a two-ply, fabric reinforced blade seal against the top and side edges of the door panel. This solves a number of issues including frequent replacement of worn out seals, wear and tear on sealing surfaces and gasket damage from impact. It also minimizes air infiltration and moisture problems common to traditional cold storage doors.

Specially designed gusseted steel corner brackets are machined to perfectly fit inside the profile of the FRP pultrusions, providing exceptional frame strength and eliminating the need for aluminum, wood and PVC bracing.

Unique design allows Non-CFC foamed-in-place polyurethane insulation to lock components in place with the fiberglass reinforced polymer (FRP), producing an extremely durable panel.

Heavy duty 2-1/2" diameter non marking floor roller or UHMW under-panel track guides with stainless channel guide the sliding panel as it opens and closes.

ColdGuard door systems have to stand up to extreme conditions and heavy usage every day. Our EHD (extreme heavy duty) track systems have been designed to perform reliably for years with virtually no required maintenance. An optional hood system is available with the EHD track.



ColdGuard™ Specification & Drawing

MATERIAL – Manual operating bi-parting slide doors to include: two FRP frame door panels with a foamed-in-place polyurethane core, vertical casings and header constructed of molded plastic polymer (MPP), heavy duty hardware and tracks with corrosion resistant coating. Door includes high density guide rails with 1/8" thick neoprene rubber seal around the perimeter of the door opening and cloth reinforced neoprene rubber bottom sweep gasket providing a perimeter seal. Door track is aluminum alloy 6005 T5. Each door panel is suspended with two heavy duty 1-1/4 wide x 4" diameter polyurethane rollers. Each roller has two sealed ball bearings with a capacity of 700 lbs. per roller attached to 1/2" thick steel hanger brackets. Freezer doors include 115 VAC perimeter and bottom of door heat cables to prevent gaskets from freezing. *Electric operating bi-parting slide doors* to be powered by 1/2 HP totally enclosed electric motor with heavy duty gear drive and adjustable torque limiter, motor control box, 24 VAC control circuit and adjustable limit switches preassembled and mounted on header, pneumatic instant reversing safety edge on each door panel, inside "safety release" and two NEMA 4 pull cord switches with 20 feet of polypropylene pull cord. Freezer models are equipped with 115VAC heated pull cord on freezer side.

INSTALLATION – Doors shall be mounted in full accordance with Chase Doors instructions and standards. the detailed instructions of the door manufacturer and contract documents. Installation of pull cord switches, power connections to power operated doors and gasket heaters are the responsibility of the electrical contractor.

