



RS-600 Cooler Door

Cold storage doors are often treated as an afterthought during the design of the environments they are used in. Because of this, the door can quickly become the weakest link in a refrigeration system. RollSeal kept this in mind when we set out to create a door specifically for walk-in cooler applications.

Conventional rigid cooler doors can pose a number of problems: seal integrity can degrade quickly through typical daily use; the lack of automated closure can result in them being left open; and large footprints can occupy excessive space and even pose safety hazards.

The RollSeal door provides a unique and affordable solution to these problems, keeping them from wreaking havoc on your operational efficiency. The patented, airtight, triple-layer sealing system offers peerless environmental containment. The door's impact-resistant design reduces overall footprint by 50%, while the automatic closure feature cuts opening times down to just 25% of what you might experience with a rigid door. With all that said, it's easy to see why the RollSeal door is quickly becoming the industry standard for walk-in coolers.

Design Considerations	
For interior installation.	The door is designed to be mounted to the interior of the building.
To be face-mounted to the exterior wall of the cooler.	The door is designed to be face-mounted to the exterior wall of the cooler. This allows proper egress functionality from inside the cooler and emergency manual operation of the door from outside. No additional framing or backing is required.
Open and Close Signal	The door comes standard with open and close signal relays that can be tied to control or alarm systems if required.
Compliance	<ul style="list-style-type: none"> - UL325 Certified - NSF Certified (Magnetic Seal) - EISA Exempt per eCFR Part 431 (See Walk-In Coolers and Freezers - Doors at regulations.doe.gov for details).
Automatic Closure	The door is designed to close automatically. The delay is programmable between 5 and 240 seconds with a default of 20 seconds. The store designer(s) should be consulted to determine the preferred setting.
Emergency Egress Strap System	The Egress Strap System comes standard on doors up to 10' H. It opens the door 50% of the panel height to allow emergency exit. The strap is located in the center of the inside of the door and is accessible via a D-ring pull handle. The supplied egress hook must be mounted inside the cooler space. A tethered, retractable cable is also supplied to ensure the handle is not lost.

Operational Parameters	
Design Temperatures Exterior: 75°F (23.9°C) Interior: > 32°F (0°C)	RollSeal anticipates regular walk-in cooler box conditions opening into a conditioned space (typically a back room or store environment). The door can operate under other conditions; contact RollSeal to determine whether a Condensation Management System will be required.
Differential Pressure: Industrial-Strength Magnetic Seal (Doors Up to 12' W x 12' H) ± 0.05 inH ₂ O	The minimum differential pressure is expected to be ± 0.05 inH ₂ O; this is typical of standard walk-in coolers. In coolers larger than 3,000 ft ² , refrigeration systems may add pressure, thus necessitating pressure relief valves. Contact RollSeal if necessary.
Differential Pressure: Industrial-Strength Hook-and-Loop Seal (Optional) Minimum: ± 0.15 inH ₂ O Maximum: ± 0.25 inH ₂ O	The minimum differential pressure is expected to be ± 0.15 inH ₂ O. The maximum is ± 0.25 inH ₂ O.

Installation Specifications					
Door Size	Personnel	Equipment	Tools	PPE	Time
Up to 8' W x 8' H	2	- Ladder	- Standard Hand Tools (Drill, Wrenches, Level, etc.)	- Glasses - Gloves - Boots - Hard Hat	~ 2 Hours
12' W x 12' H	3				~ 2 Hours
16' W x 16' H	3	- Ladder - Scissor Lift			~ 4 Hours
24' W x 24' H	4	- Ladder - 2 Scissor Lifts			~ 6 Hours

Specifications

Type	D6 (RS-600)	Motor Frequency	50 Hz or 60 Hz
Application	Walk-In Cooler	Phase	1 PH
Temperature Range	32°F to 75°F (0°C to 24°C)	Manual Override	Crank Handle
Differential Pressure	± 0.05 inH ₂ O	Horsepower	1/2 HP
Seal Type: Standard (≤ 12' x 12')	Industrial-Strength Magnet (NSF)	Brake	Mechanical
Seal Type: Higher Diff. Pressure	Industrial Hook-and-Loop	Frame Material	Aluminum
Drive Type	Right-Angle Gear Head	Tension Pipe Material	Impact-Resistant Foam
Drive Mounting Side	Left of Head Unit (Standard)*	Panel Material	Anti-Static
Speed	Up to 48" per Second	Standard Switch (Not Included)	2-Position (Open/Close) [†]
Input Voltage	230V	Egress	Pull Strap (Up to 10')
Input Current	8A	Safety Beams	Standard (Monitored)

**Contact RollSeal for additional motor mounting options.*

[†]Contact RollSeal for additional activation options.

