



RS-500 Walk-In Cooler Door

When RollSeal set out to design a door specifically for walk-in cooler applications, we knew such doors are often an afterthought when it comes to designing and laying out the cold storage environment. However, after the installation of a cooler box, the door can quickly become the weakest link in the refrigeration system.

Conventional rigid-style refrigerated doors pose a number of problems: Seal integrity can degrade quickly through typical daily use; large door footprints can create space and safety issues; and doors are constantly left open by personnel. The RollSeal door provides a unique and affordable solution to these problems that constantly plague your operational efficiencies. The patented airtight (triple-layer) sealing system of the RollSeal door provides maximum environmental containment in an impact-resistant design.

Combine this with the fact that the RollSeal door reduces your overall door footprint by 50%, and the auto-closure features reduce open times by 75%, and it's easy to see why the RollSeal door is becoming the standard for walk-in cooler applications.

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 ensures proper egress function from inside the cooler and manual operation of the door (if required) from the 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.
Passive Infrared Motion Sensor	The door comes standard with an exterior passive infrared motion sensor that will activate the door when traffic is in close proximity (approximately 1'). This sensor can be disabled to function solely as a secondary safety if needed. See the door owner's manual for more detail.
Compliance	<ul style="list-style-type: none"> - UL325 Certified - NSF Certified - EISA Exempt per eCFR Part 431 (See Walk-In Coolers and Freezers - Doors at regulations.doe.gov for details).
Auto-Closure	The door is designed with auto-closure. The time is programmable between 5 and 240 seconds. The factory setting is 20 seconds. The store designer(s) should be consulted to determine the preferred setting.
Emergency Egress Track System	This allows the door tracks to swing open when the fabric panel is pushed from the inside of the door.

Operational Parameters

Design Temperatures Exterior: 75°F (24°C) Interior: > 32°F (0°C)	The door design temperatures anticipate 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, but consult RollSeal to determine if a Condensation Management System (CMS) may be required.
Differential Pressure: +/-0.05 inH ₂ O	Minimal pressure differential is expected to be +/- 0.05 inH ₂ O. This is typical of standard walk-in coolers. In coolers larger than 3,000 square feet, refrigeration systems may add pressure and require pressure relief valves. Consult your RollSeal representative if needed.

Installation Specifications

Door Size	Personnel	Recommended Equipment	Tools	PPE	Time
Up to 6' (W) x 9' (H)	2	Ladder	<ul style="list-style-type: none"> - Standard Hand Tools (Drill, Wrenches, Level, etc.) - 1-3/4" Hole Saw 	<ul style="list-style-type: none"> - Glasses - Gloves - Boots - Hard Hat 	~ 1 Hour

Specifications

Type	5K (RS-500)	Phase	1 PH
Application	Walk-In Cooler	Manual Override	Manually Driven (3/4" Socket)
Operational Temperature Range	32°F to 75°F (0°C to 24°C)	Horsepower	1/6 HP
Differential Pressure	+/- 0.05 inH ₂ O	Safety Beams	Standard (Monitored)
Seal Type	Industrial-Strength Magnet	Brake	Mechanical
Drive Type	Inline Gear Motor	Frame Material	G90 Galvanized/Aluminum
Drive Mounting Side	Internal (Left Side)	Tension Pipe	Impact-Resistant Foam
Speed	27" per Second	Panel Material	Anti-Static
Input Voltage	115V/230V	Sealing Flap	Yes
Input Current	10A/6A	Standard Switch	2-Position Smart Switch* [x2]
Motor Frequency	50Hz or 60Hz	Egress	Break-Away Tracks

**Contact RollSeal for additional activation options.*

