



Product Specifications

Soft Nose Walk-In Coolers & Freezers

General

Walk-In Coolers and Freezers shall be constructed with prefabricated modular panels. They will be designed for accurate assembly and future expansion by Leer Walk-In, Div. of Leer, Inc. New Lisbon, WI.

Panel Construction

Standard panels are formed by two shaped metal skins, separated by and bonded to foamed-in-place urethane to form rigid structural panels. Panels have urethane foam-formed tongue-and-groove edges with foamed-in-place, flexible, vinyl gaskets to assure vapor-tight panel joints. Floor sections will withstand uniformly distributed floor loads up to 700 pounds per square foot. Partition walls separating compartments are of the same construction as perimeter wall panels and cam-lock into wall, ceiling and/or floor panels. (Maximum single panel length for walls and ceiling is 14' 5½", floor panel max is 11' 7".)

Insulation

Class 1, rigid, foamed-in-place, non-CFC urethane with a minimum density of 2.2 pounds per cubic foot. Our panels exceed all minimum requirements of the DOE for K-Factor and R-Values, and have passed the ASTM E-84 test for surface burn characteristics. Standard cooler and freezer panels are 4.25", with 5" panels used for applications below -10°F.

Panel Finish

Exterior and interior surfaces of standard ceiling and sidewall panels are 26-gauge, acrylic coated, embossed galvanized steel. Floor is 16-gauge stainless steel interior.

Vinyl Screed

A coved vinyl screed is provided when no insulated floor panel is required. The screed is fastened to existing floor by ram set or lag anchor (customer furnished) for retaining wall panels to floor.

Cam-Action Locking Fasteners/Section Gasketing

All panel tongue-and-groove edges have steel offset cam fasteners located for maximum locking efficiency. A hex wrench is provided to lock the fasteners within access holes. Press-fit cap plugs are furnished to cover access holes and match panel finish. NSF listed vinyl gaskets are foamed-in-place on the tongue side of each panel on interior and exterior surfaces. Gaskets are impervious to grease, oils, mildew, stains, etc.

Entrance Door

Standard doors are 36" x 78" flush mounted, in-fitting, with exterior and interior finish to match panel walls. Each door is insulated with foamed-in-place urethane to an overall thickness of 4.25". Side and top are fitted with thermoplastic, bellows-type gasket with magnetic core. Bottom seal is an adjustable, double-blade rubber sweep gasket. Door threshold is 16-gauge stainless steel. (Only on freezer or floored cooler.)

Hardware

Standard doors are mounted with heavy-duty, spring-loaded, cam-lift hinges. Each door has a lockable, heavy-duty latch and strike assembly, antimicrobial finish, an inside release handle and a hydraulic door closer.

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Thermometer

Each door panel has a 2" dial thermometer with a temperature range of -40°F to 65°F (-40°C to 20°C)

Lighting

Each door panel is furnished with a vapor-proof light fixture, Lexan globe, lighted toggle switch and stainless steel switch cover. (Bulb not included)

Anti-Condensate Heat Wires

The freezer door frame is fitted with a replaceable 115V aluminum braided heat wire.

Pressure-Relief Vent

A heated pressure-relief vent is furnished for freezer applications.

Electrical

All wiring for heat wire, pressure-relief vent, light and switch requires field connection to 115/1/60. Single point connection.

Installation Instructions

A complete set of instructions and an assembly drawing are included with each order to aid with installation.

Warranty

Leer warrants the original purchaser that panels are free of defects in material and workmanship for a period of ten years. Original equipment components (hardware, electrical items, refrigeration and accessories) are warranted against defects and workmanship for a period of one year parts and 30 days labor. A four-year extended motor compressor warranty is also available. See items of sale and warranty for complete information.

This warranty shall not apply to equipment which, in the manufacturer's opinion has been subjected to misuse, misapplication, improper installation or acts of God. Material and product improvement is a continuous commitment at Leer, Inc. These specifications are subject to modification and/or change without notice.

Leer, Inc. is the world's leading manufacturer of retail ice merchandising equipment and walk-in coolers distributed under the Leer® and Carroll Coolers brand names. We are an employee owned company with a rich heritage of producing award-winning products since 1952, results are driven by our dedication to engineering research, quality service and manufacturing excellence. Leer is committed to consistent improvement in order to better serve our customers with top-of-the-line ice merchandisers and custom walk-in coolers and freezers.



NSF Listed - All Walk-In Coolers/Freezers are constructed to meet rigid standards outlined in National Sanitation Foundation No. 7. The NSF label is attached to interior door panel.



UL Flame Spread Rating - Leer's modular panels have been tested by Underwriters Laboratories and classified according to ASTM E-84 (UL723).



UL Listed Doors - The doors on the Leer Walk-In Coolers/Freezers are pre-wired completely at the factory in accordance with the specifications of Underwrites Laboratories.

Each Individual panel core shall have a flame spread rating of 25 or less.

The above rating is not intended to reflect hazards presented by this or any other material under actual fire conditions. (See UL Classified Building Materials)



FM class 4880 approved panels available.

City of Houston

Certified and approved under the provisions of section 1701.1 of the Houston Building Code as a Fabricator of Exterior Coolers/Freezers.

State of Oregon

Licensed/registered as provided by law of the State of Oregon as an approved manufacturer of structural insulated panels, license number 583 PFC.



An Employee Owned Company

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