



WALK-IN COOLERS & FREEZERS

For over half a century, Thermo-Kool has built its Walk-In Coolers & Freezers with its customers in mind. Quality, durability, and customization go into every panel to not only ensure a superior performance but to allow the customer the maximum utilization of their unique space. And with Thermo-Kool's exclusive preassembly process, walk-ins are assembled and quality control inspected before leaving the facility. This guarantees a trouble-free and quick installation at the jobsite. Supported by a 10-year panel and 5-year compressor warranty, Thermo-Kool Walk-in Coolers & Freezers are the ultimate addition to any commercial kitchen.

BENEFITS & FEATURES

- Exclusive DURATHANE 100% urethane tongue and groove construction.
- Four-inch urethane foamed-in-place insulation.
- Durable, high-density urethane panel perimeter - no pre-installation damage.
- No exposed, low-density urethane surface - no deterioration during pre-installation panel storage.
- Lightweight panels with added strength.
- Fast, easy assembly - Insta-Lok position camlock device with exclusive, self-centering pin-strike assembly - instant panel alignment.
- Easy to relocate or enlarge.
- Prefabricated panels in nominal 1', 2', 3', and 4' sizes and 1' x 1' corners - completely interchangeable - low cost - quality controlled.
- Complete design flexibility - custom sizes and configurations available upon request.
- Standard prepainted white antimicrobial metal finish.
- A heavy, reinforced steel "U" channel frame is foamed-in-place to give extra support and rigidity to the frame and to prevent racking, distortion, warping, and twisting of the door section.



VALUE BY THE NUMBERS

- 24 - Hour Customer Service
- 24 - Hour Quote Turnaround
- 10 - Year Panel Warranty
- 5 - Year Compressor Warranty
- 1 - Year Parts Warranty
- 1" Panel Increment Manufacturing

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ARCHITECTURAL SPECIFICATIONS

General:

Walk-In coolers and freezers shall be Thermo-Kool prefabricated, modular construction. They shall be designed and constructed to allow fast, easy field assembly, disassembly, relocation, and enlargement by the addition of like modular panels.

Standard wall, ceiling, and floor panels shall be fabricated in 46", 34^{1/2"}, 23", and 11^{1/2"} width. Corner panels shall be 90° angle, 12" x 12". All panels shall be interchangeable with like panels. Partition panel placement shall be within 1" increments to meet space requirements.

Panel Construction:

All panels shall consist of metal pans formed to precise dimensions. Metal finish to be as specified. Insulation shall be "foamed-in-place" urethane foam bonded permanently to the complete inner surfaces of both interior and exterior metal pans to form a strong rigid unit. Each panel shall be 100% urethane foam insulation exclusive of metal pans. Perimeter structure shall be formed of DURATHANE, high-density urethane insulation forming tongues and grooves to assure vapor-proof and airtight joints and to prevent pre-installation damage and deterioration of low-density urethane.

NSF approved, double-bead vinyl gasketing shall be applied to the tongue side of all panels on both interior and exterior. Gaskets shall be impervious to stains, grease, oils, mildew, etc.

Assembly of the walk-in shall be accomplished by "Insta-Loks" consisting of a cam-action hook-arm assembly set in one panel and a self-aligning, self-centering pin assembly set in the adjoining panel. Rotation of the cam-action hook-arm shall pull and lock panels together to form airtight, vapor-proof joints. No metal straps or connection rods shall be used inside the panels. Rotation of the cam-locks shall be operated from inside the walk-in through access ports that are sealed with vinyl snap-in closures. The hexagonal wrench, which activates the camlocks, shall be furnished with each walk-in.

Optional floor panels shall be similar in construction to other panels and shall be designed to withstand uniformly distributed stationary loads of 600 lbs. per square foot. Vinyl "U" channel screeds shall be provided for floorless installations. Screeds shall be coved on interior and exterior side and designed to sit flat on the floor for attachment by means of nailing or

lag-bolting through the center of the screeds. Wall panels shall lock to screeds on 23" centers. (4^{1/2"} x 4" foam screeds and 2" vinyl screeds available when required or specified). Grow room panels shall be covered by a ten-year warranty.

Insulation:

Insulation shall be 4" thick rigid, low ozone depleting HFO Solstice 1233A Class I urethane foam classified according to UL723 (ASTM-E-84) as tested by Underwriters Laboratories, Inc. The 4" core material shall have a flame spread of 25 or less and a smoke density of 250.

The prefabricated, urethane foam panels shall be supplied with a Class I fire hazard classification according to UL723 (ASTM-E-84) as tested by Underwriters Laboratories, Inc. Panels shall have a flame spread rating of 25 or less with a certifying Underwriters Laboratories, Inc. label.

Finishes:

Interior and exterior finishes are available in standard prepainted white antimicrobial metal finish. Optional finishes available in stucco aluminum, stucco galvanized steel, or stainless steel.

Doors:

Each walk-in shall be equipped with one standard 34" x 76" hinged-type, flush mounted, UL classified, entrance door (unless otherwise specified). Each door section consists of a heavy, reinforced steel "U" channel frame, foamed-in-place to give extra support and rigidity to the frame and to prevent racking, distortion, warping, and twisting. Exterior and interior finish of door will match adjoining wall panels unless otherwise specified. Door placement shall be within 1" increments to meet space requirements. Walk-in entrance doors shall be equipped with a one-piece perimeter, NSF approved PVC accordion type removable gasket. A magnetic core at top and sides shall provide a positive seal. An adjustable sweep shall be mounted along the bottom edge of the door. Door frames shall be provided with a pilot light and switch assembly with concealed wiring.

Standard hardware shall be break-a-way type with cylinder lock and inside safety release handle so the door can be opened from the inside even if locked. A positive-action, hydraulic door closer shall be included to ensure gentle closing of door and ensure a positive seal. Hinges shall be spring-loaded with polished chrome finish.

Refrigeration:

Refrigeration system shall be top mount or side mount self-contained or remote.

Remote - All major components shall be for field installation by refrigeration, plumbing, and electrical contractor. Remote components shall include condensing unit, evaporator coil, control kit (pressure control, thermostat, liquid line drier, sight glass, suction line vibration eliminator, expansion valve), and evaporator coil mounting kit. Low temperature units shall include defrost timer, drain line heater, and liquid line solenoid.

Pre-assembled Remote - Shall be of same components as standard remote systems except with all parts factory-mounted. Tubing electrical hook-up, drain line, and refrigerant charge shall be supplied by refrigeration, plumbing, and electrical contractors.

Top Mount, Self-Contained - Shall consist of condensing unit, evaporator coil, control kit mounted, and weatherhood. System shall have quick-connect fitting and be precharged for fast, easy, and economical job-site installation. System shall require only electrical connection and drain line by job-site contractors. Quick-connect line kits up to 25' supplied with system when remote location of condensing unit is required.

Side Mount, Self-Contained - Shall consist of condensing unit, weatherhood, evaporator coil, and control kit mounted, wired, plumbed, and precharged all factory-mounted on a steel rack frame for mounting over walk-in wall panel.

Self-contained and quick-connect refrigeration systems shall be covered by a one-year parts and labor warranty.

N.S.F. Construction:

Walk-ins and refrigeration systems shall be constructed in accordance with N.S.F. International, Standard No.7. The N.S.F. approval seal shall be affixed to the serial plate of the walk-in.

Specifications are subject to change without notice due to our program of continuous product development.

For a full set of specifications, contact the factory.

