



SPECIFICATIONS FOR AWIC WALK-IN COOLERS & FREEZERS

GENERAL

Standard walk-in panels to be constructed of 4" thick R-32 or 5.3/8" thick R-40 prefabricated panel PANEL CONSTRUCTION Panels consist of urethane die-formed interior and exterior metal pans fastened to a perimeter high-density urethane foam hard rail frame for maximum structural strength. EISA Compliance Title 111, section 312 approved. These rails are tongue-and-groove camlock design to ensure gasket joints are airtight and vapor proof. Panels shall be modular in design for quick field assembly and future modification flexibility. Cam-lock fasteners are used to secure adjacent panels. These cam locks are lever acting with eccentric hooked locks and mating pins securely anchored in the adjacent panel to assure the ease of alignment and positive seal. Cam-lock spacing shall not exceed 48" on center. Access ports for cam locks will be covered with snap-in cap plugs.

INSULATION

Foam used in the construction of the walk-in cooler/freezer is listed with The Director of Certified Insulation Material, Department of Consumer Affairs under CA-T073 tested at UL with flame spread 20 and smoke 289. The flash temperature is 914°F and the self-ignition temperature is more than 968°F to ASTM 1929.

METALS AND FINISHES

Standard metal is 26-gauge silver stucco embossed galvanized steel interior/exterior. Minimum steel thickness is 0.019" with G-90 galvanized coating. Optional metal types include 26 ga. painted stucco embossed galvanized steel with "several colors to chose from", including embossed aluminum, .040 smooth aluminum painted, and 24 ga. type 304 #4 finish stainless steel.

FLOOR CONSTRUCTION

If a floor is not required, alignment channel is provided. Channel is designed to be anchored to masonry floors and to provide a template for wall panels. When a floor is required, the floor panels shall be 4" thick and constructed with metal bonded to 3/4" exterior grade plywood and then foamed-in-place. Standard floor finish is .040 smooth aluminum. Optional floor finishes are 22 ga. smooth stainless steel type 304 #4 finish and aluminum diamond tread plate. Floors shall be NSF Certified and designed and manufactured to support uniformly distributed loads 1200 lbs. up to 2750 lbs. for heavy traffic and pallet jack usage.

LIGHTING

Each entrance door shall have a vapor-proof light fixture, shipped loose, for mounting on the interior of the door section. The light fixture shall include a shatterproof globe cover (light bulb not included). When ordered, an optional one-way or three-way light switch with pilot light is available factory installed and shall be flush-mounted on the exterior of the door section. All wiring within the door section, heater (if required), switch, and light fixture, is factory installed in conduit and terminates at a junction box above the door. Field connection by others is required for complete operation 120 volt, 60 cycle, 1-phase. All components to be U.L. Approved.

DOORS

Standard door shall be infitting, flush design unless otherwise specified. The door edge shall consist of a PVC perimeter into which the interior and exterior metal skins are secured and shall create a thermal break between metal facings. The PVC frame includes a PVC bulb type compression gasket with magnetic steel core to maintain an airtight seal and to allow quick replacement as needed. Freezer doors have concealed heated jamb and threshold heater, easily accessible for replacement or service. Heated pressure relief vent port shall be provided on freezer applications. Cooler doors do not require a door heater. An NSF approved digital thermometer shall be flush mounted on the door frame. The door hinges shall be heavy-duty cam-lift design in bright chrome finish. Hinges have steel pins with nylon bushings and shall be of sufficient size and number to support twice the weight of the door. The door latch shall be made of similar materials and finish as the door hinges. The latch shall incorporate an inside safety release that complies with OSHA standards. All doors shall be self-closing without assistance when opened up to 90° and shall remain open when opened above 90°. The bottom of the door shall have a flexible sweep.

OPTIONAL EQUIPMENT

The following are typical options offered by American Walk in Coolers.

VIEW WINDOW

Standard sizes are 14" x 14" triple pane glass with and without heater wire. Lighting can be added per request.

TEMPERATURE ALARM

Standard version is high / low temperature alarm & monitor with power failure alarm & monitor (battery backup with built in recharging circuitry)

- Field-adjustable high and low alarm temperature setpoints
- Field-selectable high / low temperature alarm display in F or C.
- Field-adjustable time delay
- Audible visual and remote alarm notification
- Built-in power supply
- Surface or flush mount
- Probes: 25' leads included

VINYL STRIP CURTAIN

PVC flexible .060 vinyl 8" strips with 1" overlap for standard cooler and freezer door applications. Robust heavy duty mounting bar, sizes range from 36" X 81" to larger 10' X 10' fork lift access doors.

ENCLOSURE PANEL

Metal of material matching the exposed walk-in exterior can be provided to close off space between the box top and the ceiling with or without track; maximum 24" high without support.

DOORS

Sliding doors, manual or electric, bi-parting, lift-up, speed roll-up insulated and fabric type are available. Oversize and custom door sizes are available. Glass doors and stationary glass windows: glass door frames and stationary window frames are aluminum with 2 or 3 panes of glass. Medium temperature doors include door frame heaters. Low temperature doors have door frame and door heaters. Available with or without anti-sweat controller. Glass doors are self-closing with magnetic gaskets to provide a tight seal. Interior led lights and wire shelving are included when glass door package is purchased.

DOOR CLOSER

Heavy duty steel construction with hydraulic or spring mechanism automatically brings door to full close position within 10° of closed position (included as standard equipment for boxes shipped to California location).

OUTDOOR ROOF MEMBRANE

Custom prefabricated reinforced thermoplastic membrane, leak-proof, resistant to chemicals, fire and high winds; used with or without sloped foam insert. **Note:** should be installed by authorized contractor.

REFRIGERATION

American Walk In Coolers is the supplier of national brands of remote and self-contained indoor and outdoor condensing units with matching evaporator coils, Russell & Heatcraft.

TESTING & APPROVALS

- Electrical and refrigeration components are Underwriters Laboratories and National Sanitation Foundation listed or certified.
- Panels certified to NSF/ANSI Standard #7.
- SGS US Testing Company, Inc.
- Flame spread and smoke developed per UL-723, ASTM E84-95B, ANSI/NFPA Los Angeles Research Report
- National Sanitation Foundation (NSF)
- California Energy Commission (CEC) Title 20 compliant.
- State of Oregon Manufacturer #M564 Insignia Registration Program

To promote continuous improvement, specifications are subject to change without notice.