The Ultimate Source For Walk-ins & More

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MANUFACTURING WALK-INS FOR BUSINESSES & INSTITUTIONS SINCE 1980



Hydroponic Dispensary

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REASONS TO BUY FROM AWIC

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ACCREDITED BUSINESS

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Taking Craft Brewing **Coolers** Further

American Walk in Coolers provides all of our customers with personalized assistance in the design of their Walkin Coolers, Warehouse Keg Coolers and Fermentation Coolers. In addition AWIC offers custom designed Keg / Tap Display Coolers with behind the bar style glass view windows and display doors. The possibilities are endless!











National Sanitation Foundation City of Oregon Building Codes Division

City



City of Houston, TX Public Works and Engineering





Laboratories



EISA ENERGY Act Compliant R-29 for Coolers R-32.4 for Freezers

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American Walk in Coolers direct ships to anywhere in the United States. With our manufacturing facilities located in Fl, CA, TN, TX, AZ; you save on shipping with every order.

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Introducing Continuous Line Panels Available 2012 XPS / EPS Insulation Types 1-1/2" to 10" thick panels USDA stucco white finish Excellent structural capabilities Ideal for large cold storage projects







CALL 800-430-4468 FOR MORE DETAILS



SPECIFICATIONS FOR WALK-IN COOLERS & FREEZERS

GENERAL

Standard walk-in panels to be constructed of 4", 5", 6",8",10" or 12 " thick prefabricated panels.

PANEL CONSTRUCTION

Panels consist of die-formed interior and exterior metal pans fastened to a perimeter high-density extruded insulation and or urethane foam hard rail frame for maximum structural strength. EISA Compliance Title 111, section 312 approved.

These rails come in three sytles, tongue-and-groove camlock, flat camlock and sliplock in design to ensure 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 Authofroth and 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 Degrees F and the self-ignition temperature is more than 968 degrees F to ASTM 1929.

METALS AND FINISHES

Standard metal is 26-gauge bright white or 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" or 5" thick and constructed with metal bonded to $\frac{3}{4}$ " 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 up to 700 pounds per square foot.

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 Certified 2 ½" 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 degrees and shall remain open when opened above 90 degrees. The bottom of the door shall have a flexible sweep.

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.

WALK-IN COOLER & FREEZER SPECIFICATIONS

OPTIONAL EQUIPMENT

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

View Window: Standard sizes are 14" x 14" and 14" x 24" 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 foot leads included
- **Vinyl Strip Curtain:** PVC flexible .060 vinyl 6" strips with 1" overlap for standard cooler and freezer door applications. NSF Certified slide-in aluminum mounting bar. Larger and thicker strips available for larger 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.
- **Door Closer:** Heavy duty steel construction with hydraulic or spring mechanism automatically brings door to full close position within 10 degrees of closed position (included as standard equipment for boxes shipped to California location).
- **Doors:** Sliding Doors, manual or electric, Bi-Parting, Lift-Up, Roll-Up Insulated doors 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 fluorescent lights and wire shelving are included when glass door package is purchased. CEC Title 20 compliant doors and windows are available.

WALK-IN COOLER & FREEZER SPECIFICATIONS

- **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 Cooler is supplier of a national brand of remote and self-contained indoor and outdoor condensing units with matching evaporator coils.

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. Report Number 740813-1 Flame spread and smoke developed per UL-723, ASTM E84-95b, ANSI/NFPA No. 255, and UBC No. 8-1. Los Angeles Research Report Number 25314 National Sanitation Foundation (NSF) - Compliance with NSF standard #7Component # N017217 Coolers/freezers, by the City of Los Angeles. 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.



ECOlogically Engineered for a Green Planet!



ECO SERIES DOOR

The Eco door with the most advanced technology available is engineered to bring you the most energy efficient door on the market today. With the features listed below you can see why the ECO door is designed with a Green Planet in mind.

FEATURES:

The ECO door incorporates a 2 pane Low E gas filled glass package with a non heated door frame rail for an Energy Free EISA compliant cooler door. Designed with low wattage frame heaters, superior insulated frame construction and a Low Voltage, Low Wattage LED lighting system CDS delivers the most energy efficient brilliantly lit customer friendly door available.

LED Lighting VS Florescent Lighting





CDS DOORS WITH HI-DEF LED LIGHTING:

Increase your sales with the exclusive CDS Hi-Def LED lighting system designed with an anti glare guard for the mullion cover that completely hides the entire LED fixture providing a view from the side with no glare from an exposed florescent lamp and makes your products jump off the shelf.

FREE LIGHTING:

To see how fast these lights will pay for themselves ask a sales associate today to compare the cost of operation between the traditional florescent lighting and the exclusive LED technology offered by CDS.

STANDARD FEATURES:

All the quality components found on the rest of the CDS doors are designed into the ECO door. The Kwik Level, Kwik Torque, Kwik Lock hold open system, triple seal gasket, and the triple bearing hinge pin give you the quality and dependability you have come to expect from a CDS manufactured product.

(800) 478-3790 (818) 361-8160

The Eco Series Doors

ADVANTAGE SERIES

The Advantage Series door provides elegant styling for the upscale store environment. With all the features of our Legacy Series doors including the Kwik Torque[™], Kwik Level[™], Triple Bearing top hinge pin, Triple Seal Door Gasket, and the most innovative Hold Open System[™] on the market today. The Advantage difference is in the RLS (Refracted



• Exclusive Kwik Lock™ Hold Open & Kwik Torque™ System

Holds the door open at a full 90° angle. Simply pull the door to a 90° angle and it smoothly locks in place. Release the door by pushing lightly for a quick air tight seal.



• RLS Lighting System

With its unique design this lighting system increases the amount of light at the center of the shelf. The T-8 lighting and electronic ballast bring to life the vibrant colors on all your packaged product.



• Advantage Series Door Plug For heated door applications. This is the smallest profile available. The unique plug design and flat mullion allow this door to be easily reversed in the field.

lighting System), complete Reversibility a flat mullion design, Energy Free Cooler Door, and an extra measure of insulation for the frame and door.

The Enhanced Details Are The Advantage Difference!

- Triple Bearing Top Hinge Pin
- Kwik Torque™ Closure Adjustment
- Kwik Level™ Door Alignment
- Triple Seal Gasket
- Positive Hold Open Lock
- Field Reversible



The Advantage Series Doors

(800) 478-3790 (818) 361-8160

LEGACY SERIES

Styling And Performance Make All The Difference!

With over 50+ years of hands-on experience comes the finest quality door on the market with features that put the Legacy Series door in a class of its own.

FEATURES:

This unique design includes a hinge system which opens the door away from the frame to reduce the possibility of fingers being pinched between the frame and the door.

• Hinge System

Super strong machined aluminum triple bearing top V Hinge Pin reduces friction increasing the life of the hinge system.



• Exclusive Kwik Level™ Door Alignment System Placed at the top of the door for simple and easy adjusting from one door to the next.



• Lighting System T-8 lighting with electronic ballast provides superior light.

• "T" Mullion Design

The T mullion design of the Legacy Series doors assures strength and support for the walk in box header panels.



• *Kwik TorqueTM Door Adjustment* This unique design makes adjusting tension a snap. Just 3 to 4 clicks and the door shuts and seals with ease.

(800) 478-3790 (818) 361-8160

The Legacy Series Doors

The Cave Double Swing Walk Thru Door (HDW)



KICK PLATE 10" Diamond plate kick plate, in & out

THE CAVE DOOR

There is no other door manufactured today that compares to the heavy duty construction of the CDS Cave Door. Designed for high volume, high traffic Beer Cave applications the superior Heavy Duty construction will stand up in the toughest environments. Whether it is the delivery driver slamming into the door with his 2 wheeler or the customer ramming the door with a shopping cart the CDS Heavy Duty Cave door is engineered to take the beating and perform like the day it was first installed.

The Cave Double Swing Walk Thru Door (Double Acting) Features:

- Energy Free Door and Frame
- Single and Double door construction
- 3/8" Aluminum frame construction with thermal break
- 3-1/2" frame depth
- 3-1/2" door thickness with thermal break
- Double seal
- · Black or Silver finishes
- · Heavy Duty composite & stainless steel Hinge
- 24" x 62" Double pane window
- 10" Diamond plate kick plate, in & out
- · Push bar with rubber inserts, in & out





HEAVY DUTY HINGES Heavy Duty composite & stainless steel Hinge

GLASS

24" x 62" Double pane window

FRAME PROFILE

3/8" Aluminum frame construction with thermal break



(800) 478-3790 (818) 361-8160

The Cave Doors

SHELVING/FINISHES

The exclusive CDS shelving design provides a full width shelf, which gives you increased product facings and storage. The bow truss system eliminates shelf sag making the CDS shelf the strongest shelving system on the market.

Features To Meet Your Needs!



Publication No. RU-RFH-0516A



R-Series Next-Gen MiniCon

1/2 TO 6 HP MULTI-REFRIGERANT AIR COOLED CONDENSING UNITS





NEXT-GEN MINICON CONDENSING UNITS

Standard Features

RBH/RBO Models

- Low-cost Hermetic or quiet and efficient Scroll compressor
- All-weather Galvanized steel painted housing
- Generously sized high efficiency condenser, enhanced copper tubes/aluminum fins
- Integral Liquid Subcooling Circuit provides subcooled liquid to the expansion device
- Base mounted shut-off valves placed external to cabinet for easy access
- Liquid line kit with filter/drier and sight glass with moisture indicator
- Suction line piping
- · Larger electrical panel with hinged/removable door
- Color coded point-to-point wiring

- Refrigerant receiver with isolation valve and pressure relief plug
- Crankcase heater
- PSC condenser fan motor(s) with EC motor option
- Encapsulated high pressure (auto reset) and low pressure (auto reset) controls (adjustable low pressure control is standard on low temperature models)
- Electronic defrost timer with defrost contactor/relay on low temperature models (2 evaps. maximum)
- Electronic air defrost timer (Medium temperature models only)
- UL and cUL listed for indoor or outdoor use

RFH/RFO models also include flooded head pressure control as standard feature



Quick access to shut-off valves from exterior



Replaceable core liquid and suction filters available as an option for 4 to 6 HP models

Easy access / removable control panel door Color-coded and numbered point-to-point wiring for easy maintenance

Options

- Suction Accumulator
- Oil separator (may not be available with mounted accumulator)
- Thru-the-door fused disconnect for cabinet sizes FM2 through FM4
- External fused or non-fused disconnect loose or mounted
- Heated and insulated receiver
- Oversized receiver
- Adjustable high/low pressure control
- Hose option for adjustable pressure control

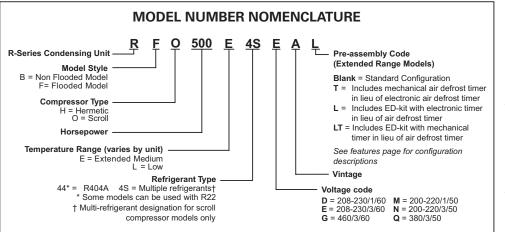
- EC condenser motor
- Pump down toggle switch
- Liquid line solenoid (loose or mounted)
- Phase loss monitor
- Hail / Snow Guard loose or mounted
- Paragon mechanical timer in lieu of electronic timer
- Timer shipped loose in enclosure
- CPC timer
- 316 Stainless steel housing
- 50 Hz timer and/or defrost kit



R-SERIES

Features and Options

	DESCRIPTION	NON-FLOOD	ED MODELS	FLOODED	MODELS	
		RBH	RBO	RFH	RFO	
	All weather housing - Pre-painted grey	STAN	DARD	STAN	DARD	
	316 Stainless Steel	-	ONAL	OPTIC	-	
CABINET	Hail / Snow Guards - Loose or Mounted	OPTI	ONAL	OPTI		
	Large Control panel for power and control circuits	-	DARD	STAN		
	Hinged / removable control panel door		DARD	STANDARD		
COMPRESSOR	Hermetic	STD N/A		STD	N/A	
	Scroll	N/A	STD	N/A	STD	
	Crankcase heater		DARD	STAN		
	Compressor contactor (1Ø or 3Ø), start kit (1Ø)		DARD	STAN		
ELECTRICAL	Control transformer (460V to 230V) as required		DARD	STAN		
	**Encapsulated high and low pressure controls	_	DARD	STAN		
	Color coded wiring for maximum serviceability	STAN	DARD	STAN	DARD	
	Enhanced Copper tubes, Aluminum fins		DARD	STAN		
HIGH	High ambient coil	-	DARD	STANDARD		
EFFICIENCY	Integral Subcooling Circuit	STANDARD		STANDARD		
CONDENSER	PSC Fan motor(s) - overload protection	STANDARD		STANDARD		
CONDENCEN	EC Fan motor(s) - overload protection	-	OPTIONAL		OPTIONAL	
	Copper, polyester coated fins or Electro Fin coated coil	OPTIONAL		OPTIONAL		
	Base mounted liquid and suction shut-off valves	STANDARD		STANDARD		
PIPING	Suction line (piping only)		DARD	STANDARD		
COMPONENTS	Suction kit (piping and suction filter)		ONAL	OPTI		
	Suction line accumulator	OPTIONAL OPTIO		DNAL		
	*Liquid line kit	STAN	DARD	STANDARD		
	Receiver Isolation valve		DARD	STANDARD		
RECEIVER	Pressure relief plug	-	DARD	STANDARD		
	Oversized receiver		ONAL	OPTI		
LOW AMBIENT	Flooded head pressure control		/A	STAN		
CONTROLS	Fan cycle control (2 Fan models only)		DARD	N,		
	^Electronic Air defrost time clock for medium temps.		DARD	STAN		
DEFROST	Mechanical defrost timer		ONAL	OPTI		
PROVISIONS	50 HZ defrost timers with or without contactors		ONAL	OPTI		
	Surveillant family of electronic system controllers		ONAL	OPTI		
	Electric defrost	(1)	(1)	(1)	(1)	
	UL and C-UL listed		DARD	STAN		
TESTING	Hydrogen leak and dielectric tested before shipping		DARD	STAN		
	Dry Nitrogen shipping charge (25 to 35 PSI)	STAN	DARD	STAN	DARD	



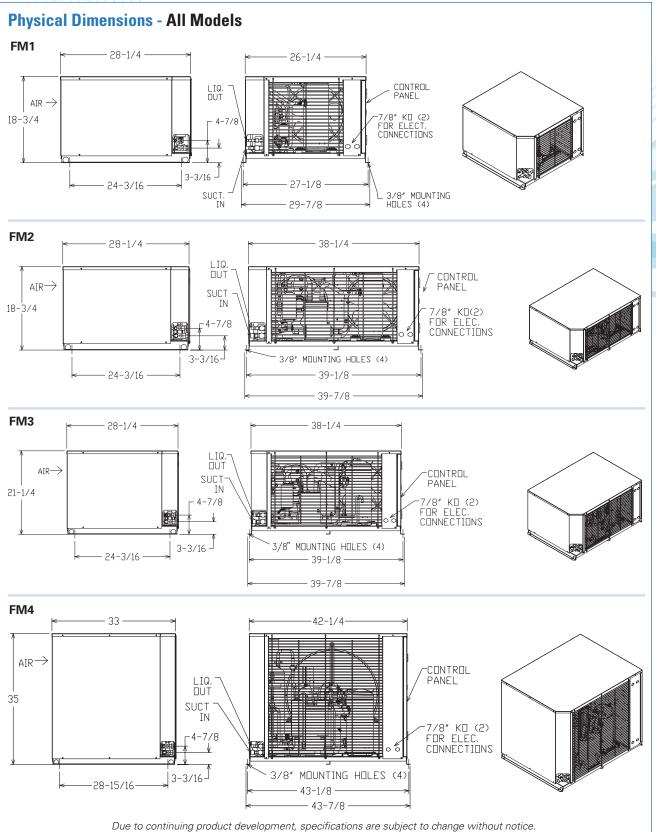
See specification pages 18-19 for compressor horsepower.

STD = Standard Feature N/A = Not Available *Liquid line kit includes: piping, filter drier, sight glass/ moisture indicator. **Adjustable low pressure control on low temperature models in

lieu of fixed control. ^ Standard on extended medium temperature

models only. (1) Electric defrost kit is included on low temperature models and optional for medium temperature models - see electrical data pages 15-17.

R-SERIES



 Russell

201 Thomas French Drive, Scottsboro, AL 35769 PHONE (256) 259-7400 FAX (256) 259-7478 russell.htpgusa.com E-mail or call us for help: parts@htpgusa.com or (800) 288-9488



Apex System APEX TOP MOUNT REFRIGERATION SYSTEM

The APEX is delivered, fully assembled and ready to mount. This saves you time and money, because of it's quick installation and minimal labor cost. Most APEX units come with a 30" power cord so you can just plug it in and chill.

Air Defrost — 2,500 - 13,500 BTUH Electric Defrost — 2,400 - 9,000 BTUH

Features:

- All-in-one refrigeration system
- Factory assembled
- Fully charged and tested
- · Attached power cord on most indoor models
- Quick and easy installation
- Indoor and Outdoor units
- HACCP compliant controls









indoor unit

APEX TOP MOUNT REFRIGERATION SYSTEM



Replaceable heater and access panel

Quick Installation

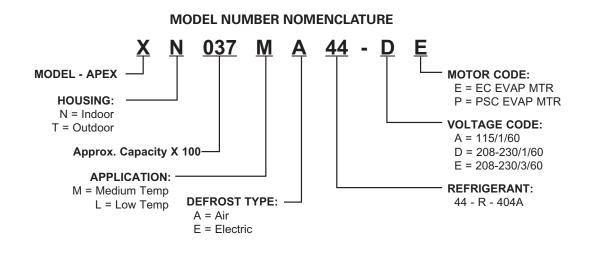
- Installs in a fraction of the time it takes for a typical split refrigeration system.
- The supply/return register mounts flush with a standard 4" ceiling panel which provides for more storage in your cooler or freezer.
- Condensate evaporated on Indoor models so no drain line is required.
- Drain line with heater provided for Outdoor models.

Saving Time and Money

- Two-year warranty on all parts
- Shipped factory assembled and tested
- No piping or loose components to install
- Factory evacuated, charged and run tested
- Motors and fans common to other HTPG product
- Adjustable digital electrical controller preset for typical cooler or freezer applications



Inside view of an installed walk-in cooler.



Standard Indoor Features:

- Insulated evaporator housing / Mill finish Aluminum
- · Fully charged and run tested
- Evaporative Drain pan (no drain line needed)
- Electronic Controller
- Filter / Drier, sight-glass, and TXV
- "UL Sanitation" approved

Standard Outdoor Features:

- Most features indentical to Indoor models*
- All weather roof
- Drain line with heater
- Crankcase heater

*Outdoor models not equipped with Evaporator Drain Pan

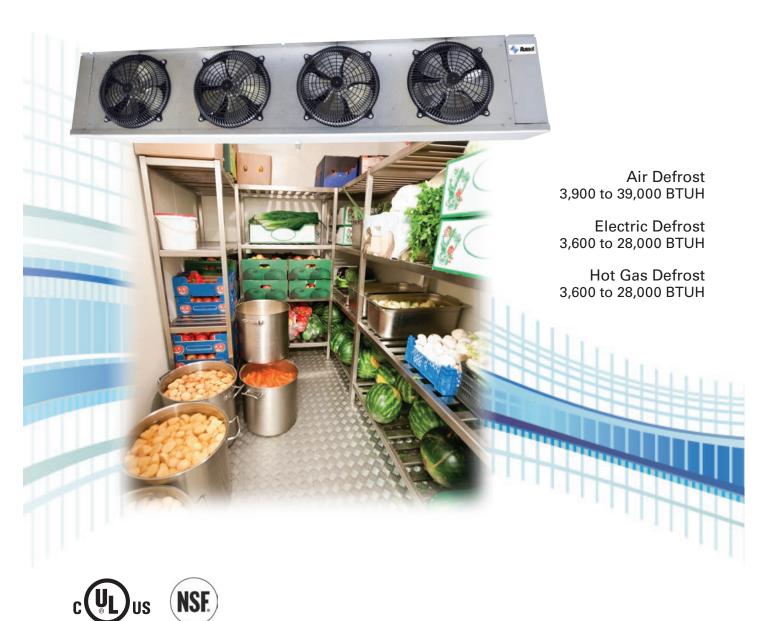




All-Temp

LOW PROFILE UNIT COOLER

Small to Medium Walk-Ins Coolers and Freezer Applications



ALL-TEMP

Features

The Russell All-Temps are the original low profile unit coolers that established the industry standard as being the all-purpose design for walk-in coolers, freezers and other applications. The units feature an air draw-through design, easy access for serviceability, and are available in air, electric and hot gas defrost models.

SIZES

There are a wide array of sizes available with capacities ranging from 3,600 to 39,000 BTUH at a 10°TD spanning from 740 to 4,980 cfm. One through six fan models are available.

HOUSING

The embossed Aluminum casing is lightweight yet durable. Each fan section is baffled to prevent short cycling of the air. The unit is designed to mount flush to the ceiling and meets all NSF requirements. The top pan is slotted for simple installation. Drain fittings are installed in the bottom of the drain pan for easy field connection and the drain fitting can be quickly replaced without replacing the entire drain pan. The end panels can now be slid out from the front of the unit for easy serviceability from the front or end of the unit.

COIL

Copper hairpins are staggered and mechanically expanded into corrugated Aluminum fins and tube sheets to achieve maximum heat transfer. Die formed fin collars provide even fin spacing and are available in 4, 6 and 8 fins per inch. Sweat connections are standard on all models.

MOTORS

High efficiency single-speed and dual-speed Electronically Commutated (EC) motors are available in 115V and 208/230V. The dual-speed EC motors are compliant with California Title 24 regulations. Singlespeed PSC motors are available in 115V, 208/230V and 460V. All motors include thermal overload protection.

CONFIGURATIONS

Units are available as Configurable (no mounted accessories) or Pre-assembled with the most requested options installed for your convenience.

Pre-assembly Code1:

- Blank = Configurable
- T = Factory mounted TXV
- L = Factory mounted TXV, Liq. Line Solenoid (LLS) and Mechanical T-Stat
- M = Master Configuration with mountedTXV, T-Stat, LLS and copperTee

FANS

Heavy duty 12" Aluminum fans are balanced to provide vibration-free operation. Our low throw black plastic fan guards provide an optimal air pattern. The optional epoxy resin high throw fan guard moves air up to 25 feet.

ELECTRICAL

Available in 115V, 208/230V and 460V (see pages 4 and 5). All components are factory wired to convenient screw-type terminal strips. A large compartment is supplied internal to the unit for all electrical components and is easily accessible by opening the slide out end panel. All models are UL and cUL listed and are available in 60 or 50 Hz.

AIR DEFROST

Air Defrost models (prefix "AA") are designed for use in coolers of 35°F and warmer. Complete air defrost systems for off-cycle or timed air defrost are available.

ELECTRIC DEFROST

Electric Defrost models (prefix "AE") are designed for use in coolers and freezers between 34°F to -20°F. Internal coil heaters provide rapid and efficient defrost. A lower heater is installed close to the drain pan for fast, reliable drainage. A defrost termination fan delay thermostat (DTFD) terminates the defrost cycle when the temperature is satisfied. The fan delay allows the warm coil to cool after a defrost cycle prior to the fans turning on. A heater safety thermostat is installed to prevent heaters from overheating above 75°F. Complete electric defrost refrigeration systems are available from Russell.

HOT GAS DEFROST

There are two types of Hot Gas Defrost models available: Hot Gas 3 Pipe (prefix "AH") and Hot Gas Reverse Cycle 2 Pipe (prefix "AG"). Hot Gas Defrost models are designed for use in coolers and freezers between 30°F to -20°F. All models include a fixed DTFD factory wired and a hot gas drain pan circuit to defrost the drain pan. On all Hot Gas models, the drain fitting is located on the left-hand rear of the unit when facing the fan guards. Complete Hot gas defrost refrigeration systems are available from Russell.

Optional Features

- Coated Aluminum fins (Russproof, ElectroFin², or Heresite²) or Copper fins
- Coated housing (same options as above)
- Epoxy resin high throw guards for up to 25 ft.
- Adjustable termination/ fan delay control*
- Insulated drain pan*
- * These options require the units to be built as Revision B models.
- 1. Codes T, L and M are intended for units in finished goods inventory only. Call out separate options for units built with normal lead times.
- ElectroFin and Heresite coatings are not NSF approved. NSF approval label will be removed from unit if ordered with these coatings.

AMERICAN WA Call 800.

Welcome to American Walk-in Coolers

American Walk-in Coolers direct ships to anywhere in the United States, Mexico and overseas. With our 15 to 21 day production schedule, your walk-in is on it's way, reaching most United States locations within 3 days of completion. Our partnership with Con-Way Freight guarantees the lowest cost shipping anywhere, with guaranteed arrival date or the shipping is free. We provide our customers with specialized, personal assistance on the designing of your Walk-in Cooler or Freezer. We will answer all your questions regarding Refrigeration types and different applications that would best suit your Refrigeration requirements. We provide design / build technical support for Walk-in Coolers & Freezers, for new commercial construction, and commercial improvement. In addition to



Restaurants, Convenience Stores, Liquor Stores, Flower Shops, Schools as well as Federal Government and Military Bases throughout the United States.

American Walk-in Coolers will save you money and time on any Walk-in Cooler or Freezer. Through value engineering, we insure you're receiving competitive, prompt service with unsurpassed quality. We feel we have the highest quality professional employees. Our dedication is reflected in the quality of our end product.

American Walk-in Coolers also offers Foodservice Equipment like Ice Machines, Reach-in Coolers / Freezers, Refrigerated Prep Tables and more. For details on all our equipment lines, please visit our website at www.americanwalkincoolers.com or Call us direct at 800-430-4468.

100% Financing Available

Leasing & Financing is as easy as one two three. Leasing Conserves Capital. Leasing eases the strain on working capital by providing 100% financing & Tax Benefits. The cost of leasing is an operating expense, and is therefore tax deductible for the life of the lease. In most cases, tax benefits of a lease transaction are more beneficial to a company than an outright purchase. For more information on Financial Services offered call 800-430-4468 or on our Website, Use our easy "Contact us Link" *www.americanwalkincoolers.com*

We are fully Bonded, Licensed, and Insured and will provide you with a timely proposal on any and all of your Walk-in Cooler requirements. Just give us a call at 800-430-4468. The staff at American Walk-in Coolers look forward to working with you in the near future.

LK-IN COOLERS 430.4468

Customer Service

From your initial contact with American Walk-in Coolers, our helpful and experienced staff will assist you with any questions or concerns you may have. Service doesn't stop after the sale, your American walk-in Coolers representative will continue to be there to help you with all your needs.

Our Process

The Walk-in Cooler & Foodservice sales professionals at American Walk-in Coolers are backed with over 36 years in the Refrigeration, Hospitably and Foodservice Industry. We are ready to discuss your project and prepare an accurate cost analysis of your walk-in cooler or freezer. Through value engineering we insure you're receiving competitive, prompt service with unsurpassed quality.

Installations

With our nationwide network of qualified installation teams, we are able to provide a complete walk-in install, from receiving the equipment for you, to building the walk-in cooler or freezer at your location. We guarantee quality workmanship.







Contract Holder









SLIM-TEMP DISPLAY CASE UNIT COOLER ELECTRIC DEFROST

A RUSSE

The ASLE is specifically designed for use in low temperature reach-in display cases. Its slim profile takes up less room and maximizes available shelf space.

ASLE 25-46	ASLE 35-70	ASLE 55-117
ASLE 25-58	ASLE 45-94	ASLE 65-150

Features:

- All models require externally equalized Thermostatic Expansion valves.
- ASLE capacity ratings at -10°F evaporator temperature.
- All Aluminum low silhouette housing.
- Fan motors are totally enclosed, permanently lubricated and thermally protected.
- Electrical connection made at internal terminal blocks located at end opposite refrigerant connections.
- UL & cUL listed. NSF approved.

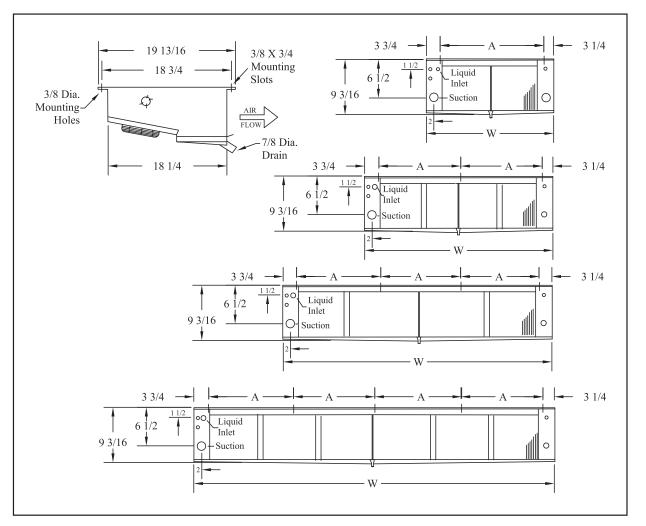


SLIM-TEMP DISPLAY CASE UNIT COOLER

Specifications - Electric Defrost Models

	Shaded Pole EC Motor Defrost 230V/1			t 230V/1	Conn	ections	Dim	ensions*				
Model Number	BTUH 10° TD	Fan Motors	CFM	Motor Amps 230V /1	Amps 230V/1	Watts	Amps	Liquid	Suction	A	w	Ship WT (Lbs)
ASLE 25-46	4,600	2-16 watt	950	1.1	0.58	1,300	5.7	1/2FN	7/8 ODS	39	46-3/16	83
ASLE 25-58	5,800	2-16 watt	1,000	1.1	0.58	1,970	8.6	1/2FN	7/8 ODS	49	56-3/16	105
ASLE 35-70	7,000	3-16 watt	1,425	1.7	0.87	1,850	8.1	1/2FN	7/8 ODS	31	69-3/16	125
ASLE 45-94	9,400	4-16 watt	1,900	2.2	1.16	2,400	10.5	1/2FN	1-1/8 ODS	28¼	92-3/16	151
ASLE 55-117	11,700	5-16 watt	2,375	2.8	1.45	3,000	13.1	1/2FN	1-1/8 ODS	36	115-3/16	185
ASLE 65-150	15,000	6-16 watt	2,850	3.3	1.74	3,500	15.2	1/2FN	1-1/8 ODS	32¾	138-3/16	222

* All dimensions are in inches.



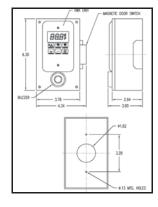
Due to continuing product development, specifications are subject to change without notice.



XWA11V-KIT

Walk-In Temp / Door /Alarm / Light Module with Mounting Box and Wiring





1. GENERAL DESCRIPTION

Model XWA11V-KIT, 100x64 mm format, is a microprocessor based light and alarm management controller, suitable for temperature monitoring in a walk-in cooler or freezer. It is provided with two (2) relay outputs that supply 120 Volts to control lights and signal an alarm. It is also provided with one (1) NTC probe input for temperature measurement. To ease installation on existing walk-in coolers the unit has been installed in a VBOX pre-wired with an outboard buzzer, magnetic door switch (MDS), a 9V battery harness, a pigtail harness for the unit power and the light. There is also a five pin port that allows the user to program the parameter list with a "Hot Key".

2. **GENERAL WARNINGS**

PLEASE READ BEFORE USING THIS MODULE 2.1

- This manual is part of the product and should be kept close to the instrument for easy and quick reference.
- The instrument shall not be used for purposes different from those described hereunder. It cannot be used as a safety device.
- Check the application limits before proceeding.

2.2 SAFETY PRECAUTIONS

- Check if the supply voltage is correct before connecting the instrument. Do not expose to water or moisture: use the controller only within the operating limits avoiding sudden temperature changes with high atmospheric humidity to prevent the formation of condensation. Warning: disconnect all electrical connections before performing any maintenance operation.
- In case of failure or faulty operation send the instrument back to the distributor (see address) with a detailed description of the fault.

- Consider the maximum current that can be applied to each relay (see Technical Data). Ensure that the wires for the probe and digital inputs, are separated and far enough from loads and the power supply without crossing or intertwining. (UL SPEC 0873)
- The box supplied is not suitable for exterior use. If a water tight box is required contact the distributor

3. INTERFACE



set

In Programming Mode press to **select** a parameter or to **confirm** an operation. Press and hold this key for more than 5s to turn controller OFF. Press and hold this key for more than 1s to turn the controller back ON.

Press to see the HIGH Temp ALARM (ALU parameter)

Press to see the LOW Temp ALARM (ALL parameter)

In Programming Mode press to browse parameter codes. Press to increase the displayed value. Press to mute the buzzer (+ relay) when an ALARM is happening.

Hot key programming: with the instrument on, insert the hot key and then press the UP button.



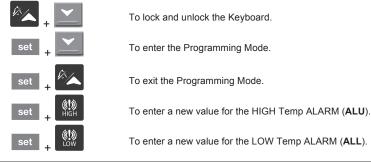
In Programming Mode press to browse parameter codes. Press to decreases the displayed value.

Switch ON and OFF the light in the cold room.

3.1 USE OF LEDS

Operating Instructions XWA11V

KEY COMBINATIONS: PRESS SIMULTANEOUSLY



Each LED function is described in the following table LED MODE Function ON ALARM signaling Ÿ ON The light is on °C ON Celsius degrees operation °F ON Fahrenheit degrees operation 4. TEMP ALARMS SETTING 4.1 HOW TO SET THE MIN TEMPERATURE ALARM To modify the minimum (LOW) Temp ALARM: press the Change the value using the UP and DOWN keys. Press the SET key to confirm the new value and exit. keys for 3s until the minimum Temp alarm is displayed. 4.2 HOW TO SET THE MAX TEMPERATURE ALARM (C) HIGH keys for 3s until the max Temp alarm is displayed

- To modify the max (HIGH) Temp ALARM: press the
- Change the value using the UP and DOWN keys. Press the SET key to confirm the new value and exit.

5. PROGRAMMING

HOW TO CHANGE A PARAMETER VALUE MAIN MENU 5.1

Enter the Programming Mode by pressing the SET and DOWN key for 3s (, and with start blinking). 1.

- 2 Select the required parameter.
- Press the "SET" key to display its value (now only the $\sqrt[n]{2}$ LED is blinking). 3.
- Use "UP" or "DOWN" to change its value. 4.

Press "SET" to store the new value and move to the following parameter. To exit: Press SET + UP or wait 15 s without pressing a key. NOTE: The set value is stored even when the procedure is exited by waiting for the time-out to expire.

5.2 THE HIDDEN MENU (PR2)

The hidden menu includes all the parameters of the instrument.

5.2.1 HOW TO CHANGE A PARAMETER VALUE MAIN MENU

- Enter the Programming Mode by pressing the Set + down key for 3s (and starts blinking). When a parameter is displayed, release and re-press the SET + down for more than 7s. The Pr2 label will be displayed immediately followed from the HY parameter. NOW YOU ARE IN THE HIDDEN MENU. 2.
- 3. 4. Select the required parameter.
- Press the "SET" key to display its value (Now only the $\textcircled{}{}$ LED is blinking). Use "UP" or "down" to change its value. Press "SET" to store the new value and move to the following parameter. 5.
- 6.

To exit: Press SET + up or wait 15s without pressing a key. NOTE: The set value is stored even when the procedure is exited by waiting for the time-out to expire.

5.2.2 HOW TO MOVE A PARAMETER FROM THE HIDDEN MENU TO THE FIRST LEVEL AND VICEVERSA

Each parameter present in the HIDDEN MENU can be removed or put into "THE FIRST LEVEL" (user level) by pressing "SET + down" In HIDDEN MENU when a parameter is also present in First Level the decimal point LED is on.

5.3 HOW TO LOCK THE KEYBOARD



1. Keep the UP and DOWN keys pressed for more than 3s. 2. The "POF" message will be displayed and the keyboard will be locked. At this point it will be possible only to see the Set Point or the MAX or MIN Temp stored.

3. If a key is pressed more than 3s the "POF" message will be displayed.

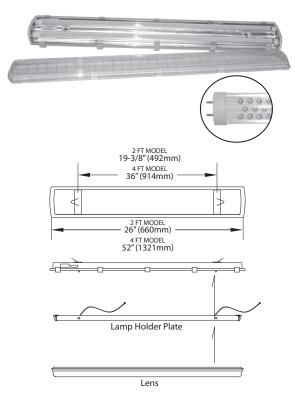


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Keil[®] LED Light Fixture for Walk-In Coolers and Freezers

LED Series

LED24X419C	24" 5700K to 6300K
LED48X62221C	48" 5500K to 6500K
LED48X62221N	48" 4500K to 5500K
LED48X62221W	48" 2700K to 3500K



Dimensions shown in inches (mm) are for reference only and are subject to change.

100-240V LED48 Series - T8 LED LED24 Series - T9 LED Operating Temperature: -40°F to 104°F (-40°C to 40°C)

Approximate shipping weight - 10 lbs Warranty - 5 year lamp/5 year fixture PROJECT NAME: _____

LOCATION:

SPECIFIER ITEM NO.

QTY:

KEIL PART NO.

Low profile, high output, energy efficient LED lights

Specifically designed for walk-in refrigeration applications

- Operating temperature from -40°F to 104°F (-40°C to 40°C)
- LED lamps reject little heat into refrigerated space
- NSF listed; supplied with NEC-approved luminaire disconnects
- Corrosion-free, high impact polycarbonate housing
- · Instant on even in freezers; no ballast to warm up
- Resilient, one-piece silicone gasket rated IP-65 for damp and wet locations

Environmentally friendly, energy efficient

- Mercury-free
- 50,000+ hours rated life; reduces landfill waste; lowers maintenance costs
- Exceeds Federal Energy Act requirement
- Contributes to LEED® energy use reduction credits

Bright, focused light

- Lumens per watt output surpasses fluorescent and incandescent fixtures
- · Instant on even in freezers; no ballast to warm up
- · Clear, high impact polycarbonate lens with ribs for maximum light dispersion
- High polish aluminum reflector improves light output
- No ultraviolet emission; does not attract insects

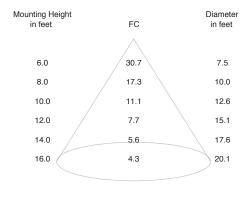
Low profile

Only 4-1/2" high for limited clearance applications

Specifications

Model	Watts	Lumens
LED24X419C	9	800
LED48X62221C	44	3470
LED48X62221N	44	3250
LED48X62221W	44	3000

CONE OF LIGHT DIAGRAM

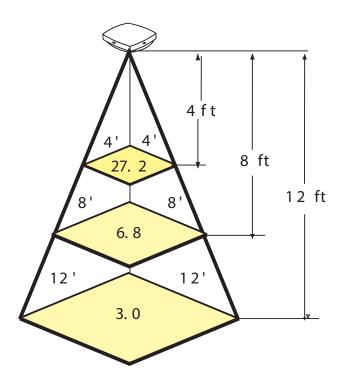






12/4/2014





REFRI GERATION
LIGHTING

LIGHT DISTRIBUTION FOR 1808 LED				
Height	Average FC for	Single Fixture Over Indicated Area		
in Feet	8′ x 8′	12'x 12'		
5	9.3	5.1		
8	6.8	4.0		
9	-	3.7		
12	-	3.0		

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REVERSIBLE CAM-RISE HINGES

- Industry standard self-closing cam-rise hinges. Door opens with minimum effort. Strong self-lubricating nylon cam delivers smooth, trouble-free door operation. Cam-rise action reduces gasket wear, even with irregular floors. Built-in dwell holds door open beyond 90°. Doors lift off without disassembly or removing hinges. Simple manual operation reverses hinges for use on right-or left-opening door. -

SPECIFICATIONS

MATERIAL:

High pressure die-cast zinc with self-lubricating nylon cam.

FINISH: See ordering information. Powder coated finishes available for

severe environmental applications.

OFFSETS: See ordering information.

MOUNTING: Drilled and countersunk for 1/4" (6.0mm) flat head screws.

LOAD RATING: See Hinge Selector Chart, Group D. PACKAGING: 3 pair per carton.

WEIGHT: Approx. 18 lb. (8.2kg) per carton.

1246

1245

PACKAGING: 3 pair per carton.

WEIGHT: Approx. 12 lb. (5.4kg) per carton.

WALK - IN PAGE B-30

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PathoGuard protection is available for most Kason latches and handles. Details on pages B3 – 6.

77 ROLLING RADIAL LATCH

- For lighter weight foam doors. Radial longue combined with a roller strike for easiest closing and smoothest opening walk-in doors.
- Releases with minimum pressure or pull from outside or from inside with Kason inside release handle.
- Mate with Kason door closer for effortless closure.
- Adjustable strike assures exact door alignment.
- Padlocking provision standard on all models.

SPECIFICATIONS

MATERIAL: High pressure die-cast zinc.	PACKAGING: 6 per carton.
FINISH: Polished chrome models listed. Also	WEIGHT: Approx. 24 lb. (11.3kg) per carton.
available in brushed chrome, Tuffkote or powder coated for severe environmental	INSIDE RELEASE: Order separately.
applications. MOUNTING: Holes drilled and	See pages B-20 and B-21 for selection.

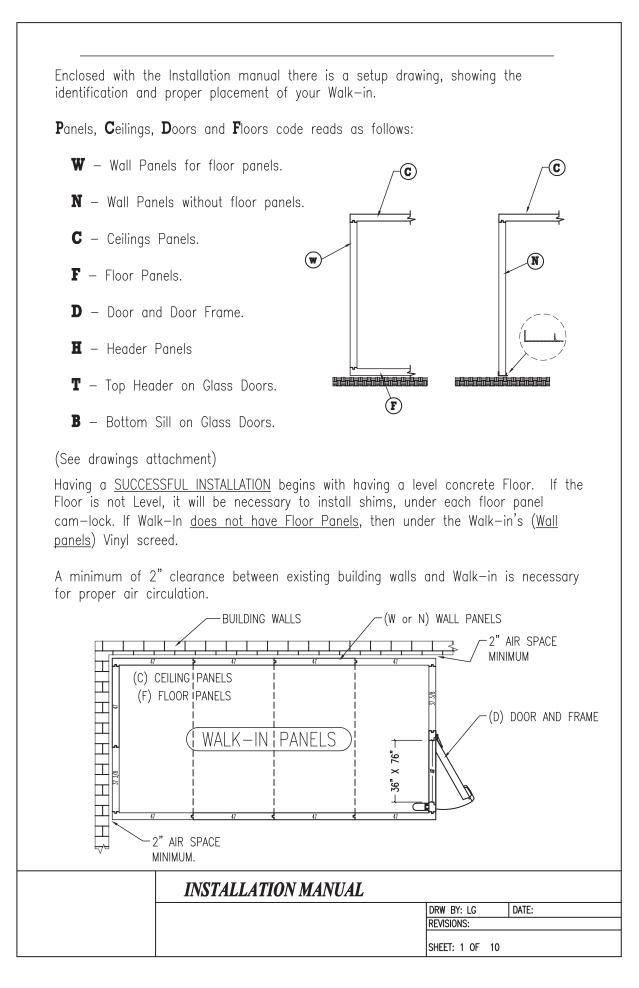
	1-1/8" 2-1/4" 8.6 mm57.2 mm3-1/1 77.5 r	
Model No.	Description	Offsets
0077CH0004C	Cylinder Locking , Heavy Spring	-1/8" to 1/4" (-3.2 to 6.4 m
0077CH0008C	Cylinder Locking , Heavy Spring	3/4" to 1-1/2" (19.0 to 38.1
0077CH0012C	Cylinder Locking , Heavy Spring	1-3/4" to 2-1/2" (44.5 to 63.
0077CL0004C	Cylinder Locking, Light Spring	-1/8" to 1/4" (-3.2 to 6.4 m
0077CL0008C	Cylinder Locking, Light Spring	3/4" to 1-1/2" (19.0 to 38.1
0077CL0012C	Cylinder Locking, Light Spring	1-3/4" to 2-1/2" (44.5 to 63.

10-5/16" 261.9 mm 6-13/64" 1-57/64" 48.0 mm 157.6 mm ()۲ 2-13/16" 2-61/64" 2-3/16" 75.0 mm 55.6 mm 71.4 mm 6" ım

0077CH0004C	Cylinder Locking , Heavy Spring	-1/8" to 1/4" (-3.2 to 6.4 mm)
0077CH0008C	Cylinder Locking , Heavy Spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077CH0012C	Cylinder Locking , Heavy Spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077CL0004C	Cylinder Locking, Light Spring	-1/8" to 1/4" (-3.2 to 6.4 mm)
0077CL0008C	Cylinder Locking, Light Spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077CL0012C	Cylinder Locking, Light Spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077CL0026C	Body assembly for No. 77C Latches.	
0077H00004C	Latch, Heavy Spring	-1/8" to 1/4" (-3.2 to 6.4 mm)
0077H00008C	Latch, Heavy Spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077H00012C	Latch, Heavy Spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077100004C	Latch, Light Spring	-1/8" to 1/4" (-3.2 to 6.4 mm)
00771000080	Latch, Light Spring	3/4" to 1-1/2" (19.0 to 38.1 mm)
0077L00012C	Latch, Light Spring	1-3/4" to 2-1/2" (44.5 to 63.5 mm)
0077100026C	Body assembly for No. 77 Latch	
Cvlinder lockina la	tches may be keyed alike or differently; 5	δ kev changes available; please specify.

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WALK - IN PAGE B-15



WALK-IN INSTALLATION WITH FLOOR



1- Set the floor Panels according to the setup Drawing.

(All Panels have labels, and are identified in the shop drawing)

2- Make sure that all Floor Panels are Level. If not, using Shims under camlocks of the Floor around the Outside Edge is suggested to level floor panels.

3- After all floor panels are level, firmly and securely lock all Floor Panels together with the Hex wrench. Turn it clockwise approximately 3/4 of a full turn and repeat until all Floor Panels are Securely Locked Together.



4- Begin with two Corner Panels and secure to Floor panels to start making a corner. <u>Make sure that the top of each</u> wall panel is flush with each other.



5- Select next adjacent wall panel(s) towards opposite corner of same floor panel.

INSTALLATION MANUAL	
---------------------	--

DRW BY: LG DATE: REVISIONS:

SHEET: 2 OF 9



6- Finish corner by installing ceiling panel, and continue assembling in corresponding floor/ walls/ ceiling in "rings."



NOTE: DO NOT REMOVE DOOR FROM FRAME 7- Door frame must be level with adjacent and flush (on top) with adjacent wall panels. Measure the top and bottom of the door opening to make sure both measurements are the same. (see page 8 for details)



8- Repeat steps 4 and 5.



9- Install the Last ceiling panel to close the box.



10— Cover wrench holes with plastic buttons.



Installation Completed

INSTALLATION MANUAL		
	DRW BY: LG	DATE:
	REVISIONS:	·
	SHEET: 3 OF 10	

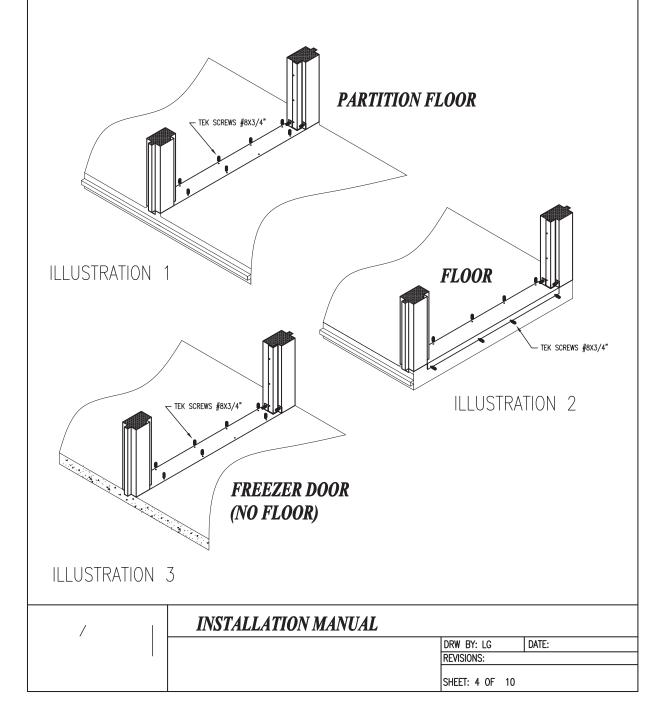
SECURING DOOR SILL PLATE (THRESHOLD) TO FLOOR

ACROSS THE BOTTOM OF EACH DOOR OPENING IS A STAINLESS STEEL THRESHOLD.

INSTALL THRESHOLD AND DRILL 3/16" DIAMETER HOLES THROUGH PRE-DRILLED HOLES IN THRESHOLD PLATE.

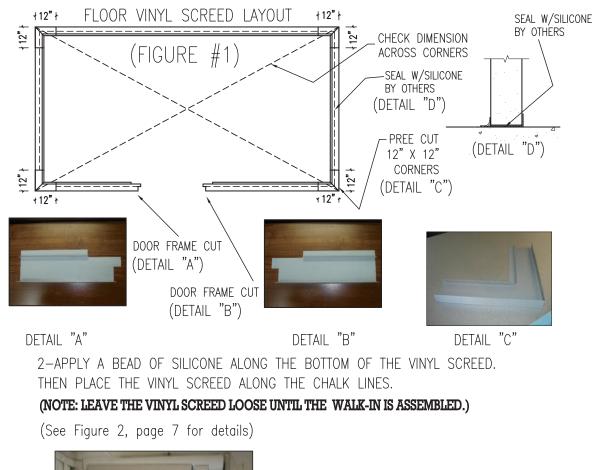
SECURE WITH STAINLESS STEEL FLAT HEAD SCREWS PROVIDED IN THE HARDWARE KIT. (See Illustration 1-3)

Note: Cooler with No Floor will not have threshold



WALK-IN INSTALLATION WITH NO FLOOR

1-USE A CHALK LINE TO MARK THE INSTALLATION AREA TO THE DIMENSIONS OF THE WALK-IN AS SHOWN IN THE DRAWING. (SEE FIGURE #1) MEASURE DIAGONALLY FROM CORNER TO CORNER TO BE SURE THE FLOOR VINYL SCREEDS IS SQUARE. (SEE FIGURE #1)





3-Seal with silicone both the inside and the outside edges of the wall panels

4- Begin with two Corner Panels and secure to Start making a Corner.

INSTALLATION MANUAL		
	DRW BY: LG	DATE:
	REVISIONS:	
	SHEET: 5 OF 10	

WALK-IN INSTALLATION WITH NO FLOOR



5- Select next joining Panels to form next opposite walk-in corner.



6-Install shims under vinyl screed corners and across as needed to ensure support panel joints and levelness of panel.



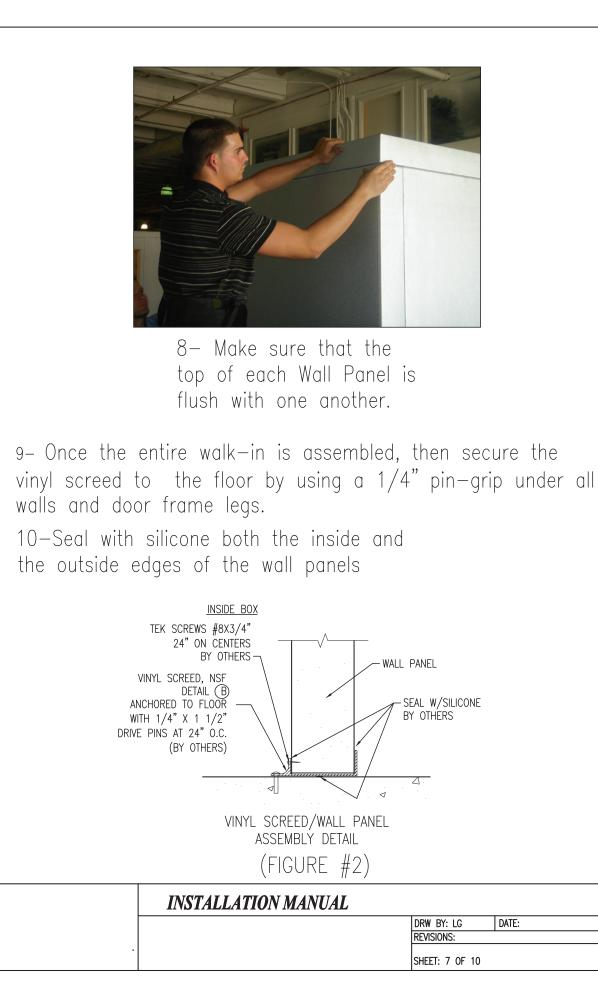
7- Begin at one end of the walk-in, positioning roof panels, locking them to adjacent wall panels, and continue assembling in "rings."

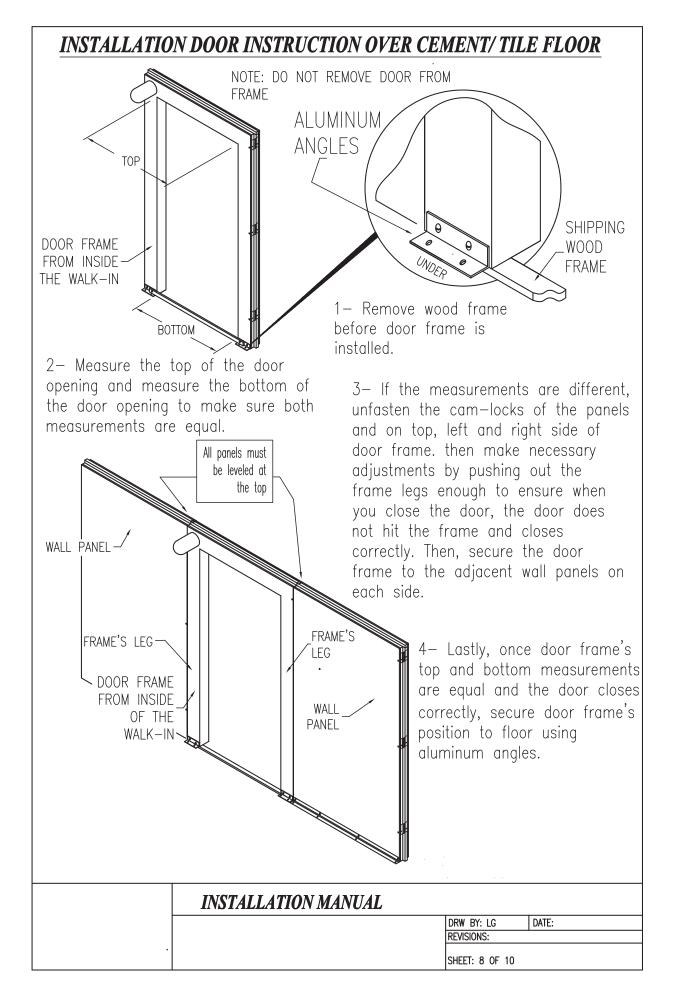
INSTALLATION MANUAL

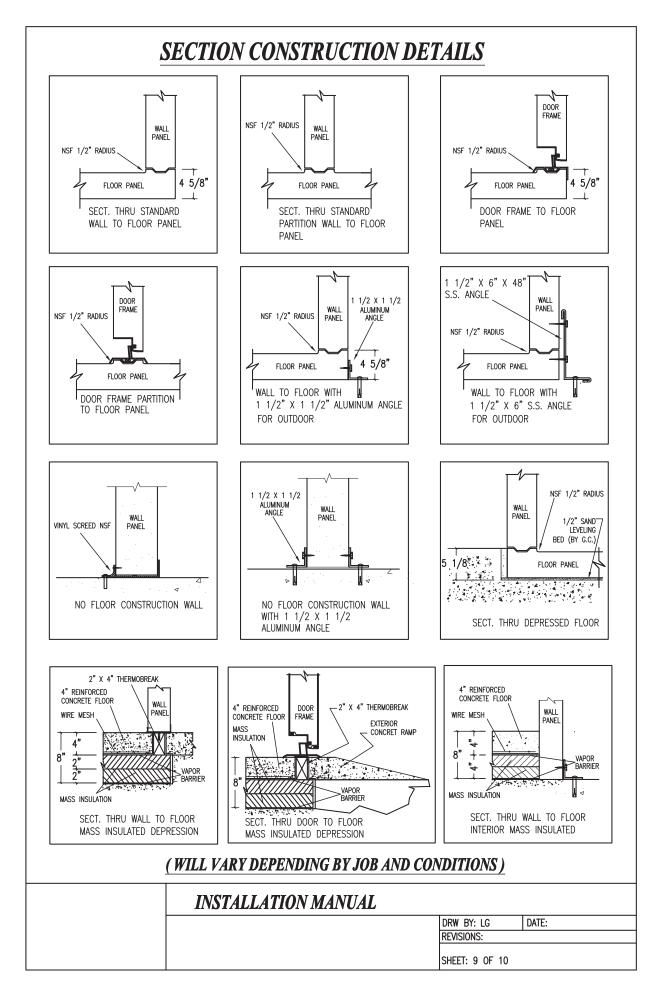
DRW BY: LG DAT

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SHEET: 6 OF 10







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The Cold, Hard Facts about our Panels & Insulation

- Dow's 50 year R-value warranty on its proven long-term thermal performance Extruded Polystyrene (XPS) foam insulation.
- Dow's precise control of parameters, such as density cell size, and cell orientation helps maintain its physical properties and a consistent R-value over time.
- · Hydrophobic characteristics and void-free structure of the foam insulation provide exceptional moisture resistance.
- · Uniform density of insulation ensures a long lasting structural panel.
- The insulation's physical properties are certified by The Dow Chemical Company and it is inspected and approved by AWIC before becoming a finished panel every time.
- Dow's XPS insulation's long-term thermal resistance extends the life of the refrigeration system.
- · Corrosion resistant Acrylic-Coated Galvalume metal skins standard.
- · AWIC unique packaging protects panels in transit and on site. It significantly saves on Freight cost.





National Sanitation Foundation City of Oregon Building Codes _____ Division

n New York s City City of Houston, TX Public Works and Engineering Underwriters Laboratories



EISA ENERGY Act Compliant R-29 for Coolers R-32.4 for Freezers

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American Walk in Coolers provides all of our customers with personalized assistance in the design of their Walk-in Coolers, Convenient store Display Coolers, Warehouse Coolers and Freezers. AWIC offers a wide range of custom design Walk in from keg/tap display coolers for our Brewery customer to specialty Lab and scientific walk in coolers and freezers. The possibilities are endless!

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Solutions

Our team of experienced professionals know that your cold storage needs vary from one application to another. Our qualified draftsmen will work with you to design a "tailored fit" Walk-in cooler, freezer or food service equipment package using the latest state of the art software.

Warranty

All panels are free from defects in both material and craftsmanship under normal conditions of use and operation for 15 years. At the manufacturer's discretion, any panel that is deemed defective within (15) years from the original date of purchase will be replaced FOB factory. All hardware used will carry a standard (1) year warranty. Refrigeration equipment carries a (1) year warranty on compressors and (1) year on components installed by a certified refrigeration contractor. This warranty does not include labor charges.

Optional Extended Warranties

American Walk-in Coolers also offers extended parts and labor warranty plans, upon request.



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