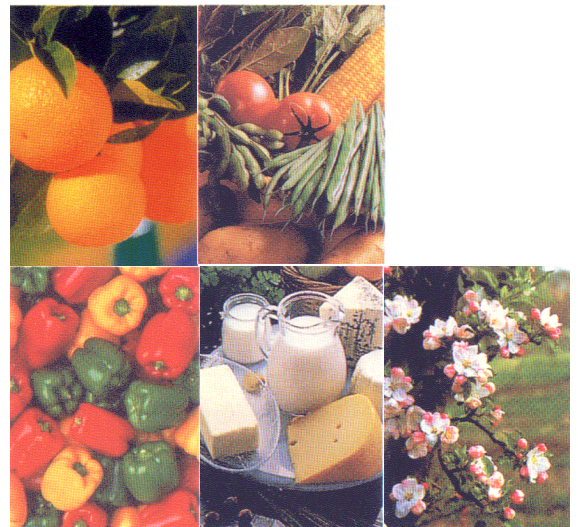


## Encon's Modular Walk-in Coolers & Freezers (Cold Rooms)



Encon in association with the most reputable manufacturer of refrigeration systems offers Energy Efficient Cold Rooms, which are simply the best and ahead of technology.

Application may vary, but our tailor made solution will go a long way in preserving the perishable at optimum cost!



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## Finest Quality from Top to Bottom

Encon offers an extensive selection of walk-in coolers, freezers and combination cooler / freezer units. There are over 18,000 single and multi-compartment models and unlimited custom design possibilities. Our quality and workmanship are highly regarded in every industry.

We have the capability to supply a walk-in to suit your particular requirements and job site situation. From initial inquiry and consultation, to shipment and installation and after sales support, Encon has the walk-in for you.

The assembled Encon walk-in is a composite of one or more of the following three major components:

1. Seven Standard Panel Configurations each available in a variety of height and width dimensions.

- Walls
- Door Frames
- Tee Walls
- Ceilings
- Floors
- Door Plugs
- Corners

All Encon panels are insulated with foamed-in place polyurethane. The panels are tested at our factories and at independent testing facilities to maintain compliance with numerous building codes and national standards.

2. Five Metal Finishes

- Galvalume
- Aluminum
- Pre-painted Steel
- Galvanized Steel
- Stainless Steel

Other metal finishes and paint colours are available.

3. Numerous Standard Features and options available to enhance the usage and performance of your Encon walk-in.

The combination of multiple design options, the expertise of our sales engineers and our nationwide installation and service network will put the right Encon walk-in exactly where you want it.

### The Modular Advantages

The versatile Encon modular concept offers many advantages over "built-in" or "conventional prefabricated" walk-ins.

- Tongue and groove sectional panels lock together quickly and simply to form virtually any desired size walk-in.
- Modular panels are easily disassembled to enlarge or relocate for future requirements.
- To retain the cooling capability and to add freezer space, use Tee sections and vertical panels to partition the walk-in. If space permits, another room could readily be added to create a dual temperature unit.

Floor and ceiling panels utilize the Encon modular construction concept of foamed-in-place insulation; tongue and groove panel edges with cam-lock assemblies and double PVC gaskets. Floor panels are fabricated with a heavier gauge interior surface to withstand heavy traffic.

Floor and ceiling panels can also be supplied with offend and double offend configurations that allow for assembly of walk-in coolers and freezers in sizes greater than panel spans.

Wall panels contain polyurethane insulation bonded to metal surfaces for maximum rigidity. No metal or wooden braces are required. The cam-lock locking assemblies are foamed in-place in the panel tongue and groove edges. Panels are available in 11 ½", 23", 34 ½" and 46" width.

Tongue and groove panels are used in Encon modular construction, assuring a tight, secure fit. PVC gaskets on the interior and exterior edge of the "tongue" rail are permanently foamed in place – won't pull out or "snake", form an even panel joint. Double return bend of the metal, interlocks foam and metal for added strength and rigidity.

Corner panels are 12" x 12" on the exterior sides, and the interior corner is fully covered. The

interior and exterior metal surfaces match the finish of adjacent panels and contain foamed-in-place polyurethane insulation.

Cam-lock locking assemblies provide perfect alignment of Encon wall, ceilings, floors, corner panels and doorframes. The assemblies are permanently foamed-in-place in the tongue and groove edge of all panels. A clockwise turn of the hex wrench (provided) initiates a cam-type locking action. A locking “hook” is extended over and around a locking “pin” and then retracts to pull the panels tightly together for a secure fit.

When the panels are assembled, snap caps cover the hex wrench access ports, located on the interior panels, for neat appearance and improved sanitation. Turning the hex wrench counterclockwise to disengage the locking assembly can disassemble the panels.

Tee Walls are used in the construction of multi compartment Encon walk-ins. By providing a complete break in the metal, they prevent thermal conduction from one compartment to other compartment. These efficient panels eliminate the need for extra breaker strip and heater wires. All tee walls contains fully covered corners.

Every Encon panels are filled with foamed-in-place polyurethane the most advanced insulating material. Polyurethane offers many advantages over conventional insulation.

- The insulation value of four-inch thick polyurethane is equal to eight inches of fiberglass or Styrofoam.
- Unlike batt-type glass-fiber and similar material. Encon polyurethane insulation won't sag or mat to create air pockets between walls.
- The polyurethane permanently bonds itself to the metal surfaces to produce a strong, rigid panel.
- A 97% close-cell structure of polyurethane provides moisture resistance.
- Light Weight polyurethane makes sections easier to handle and faster to assemble.
- Usable storage area is increased because polyurethane's superior insulating properties. Thinner walls ceilings and floor can be used without sacrificing on temperature retention or strengths.

Encon foamed in place polyurethane is dispensed in to the panel using a computerized dispensing system to assure foam density and uniform structure.

The walk-in door and jamb are the most important elements in the walk-in, continually “pulled” to open, subject to vibration of wheeled traffic and bumping of boxes, crates and barrels. The door and jamb must be aesthetically pleasing, aligned correctly and manufactured for long term heavy dusty usage, the criteria against which the Encon walk-in door is designed and produced.

Constructional features.

- Durable FRP (Fiber reinforced Plastic) door perimeter, jamb and threshold. So efficient, heater wires are not required in coolers.
- Posi-Seal closure to cushion the door closing.
- Hardware-Brushed chrome handles and hinges. Durable, attractive and built for years of trouble-free usage.
- Interior Safety Release to prevent entrapment inside the walk-in.
- 2 ½, 4 or 5 inches of Polyurethane insulation.
- Flush fit, designed with a magnetic gasket to assure an airtight seal.
- 2" Dial Thermometer to monitor interior temperature.
- Vapor-Proof Light Fixture mounted on the doorframe.
- Optional Accessories include interior and exterior ramps, view-port, audio-visual alarm and outside locking bar.

Hardware The handle and hinges are constructed of heavy-duty cast alloy with an attractive brushed chrome finish, which is rusting resistant. The straight-line design of both components

compliments the overall Encon walk-in design.

**Handle**-The pull handle, with its stationary design, uses few moving parts to assure years of trouble-free usage. A key lock and padlock provision is provided for greater security against break-in.

**Hinges**-The new lower oblique hinge has a pivot point further from the jamb than the upper hinge creating a greater energy to close. Combining the oblique feature with the cam rise adds to how much the door rises when opened. The result of this is reduced friction and wear on the nylon cam and sweeper gaskets.

**Safety Release**-The interior safety release prevents entrapment inside the Encon walk-in if the handle is accidentally locked or even padlocked from the outside. A quarter turn of the safety release handle activates the release for escape,

**Durable FRP Door and Jamb** The Encon door perimeter and jamb are made of FRP (Fiberglass Reinforced Plastic). FRP resists impact takes punishment from roll-in carts, won't dent, rust, warp or scratch. It is unaffected by heat or cold making it so energy efficient that heater wires are not required in coolers. (Low wattage heater wires are used in freezers.)

**Post-Seal Closure** The posi-seal closure catches the door, cushions the closing movement with proper venting shuts the door noiselessly and keeps it firmly closed. It is precision designed for long-lasting dependability. The closure cylinder is filled with special oil, which is highly insensitive to temperature fluctuations. The spring-loaded plunger incorporates a check valve for easy opening, positive closing and keeps the door closed (unlike conventional devices, which only prevent slamming).

**Durable FRP Threshold** The FRP threshold is impervious to corrosion and oxidation. "There is no warping or distortion to cause expensive air leaks. Inert material reduces energy consumption. Nonslip surface provides safety. Supplied with standard floor applications.

**2" Dial Thermometer** The 2" dial thermometer is used to monitor the interior temperature of the Encon walk-in cooler or freezer. The temperature range in -40° F to +60°F.

**Heated Air Vent** A tri-action, heated air vent is standard on all Encon walk-in freezers. The vent eliminates vacuum and pressure inside the walk-in so the door can be opened easily. The heated air vent is factory installed and pre-wired for convenience. A low-wattage heater is used to prevent icing and frost buildup.

**Switch and Pilot Light** The pilot light alerts personnel on the outside of the Encon walk-in if the interior light is on. A toggle switch to operate the vapor-proof light and the pilot light are mounted on the outside of the walk-in door. The switch is protected with a stainless steel cover plate and is pre-wired to the light through a conduit.

**Sweep Gasket** A sweep gasket, extruded in a one-piece design from plastic compounds, is used on all Encon walk-in doors. The sweep gasket assures an airtight seal along the bottom of the door with a double sweep, which remains flexible under various temperature extremes and continual use.

**Vapor-Proof Interior Light** A vapor-proof, incandescent light fixture, with plastic coated globe, is provided inside the Encon walk-in. Positioning the light, adjacent to the door opening and close to the ceiling, allows use of shelving, strip curtains and other natures without interference. Electrical power connection is made using a field-furnished junction box at the vapor-proof light fixture. The standard door electrical components have been factory wired to the light fixture. Accessories or options may require separate electrical connections.

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