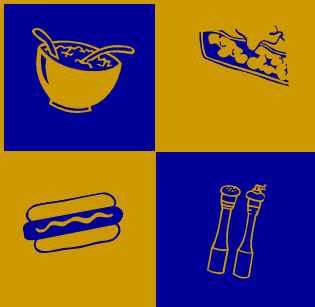


How to Specify Your New Walk-In Cooler or Freezer



Considering a New Walk-In?

So, you have decided to purchase a new Walk-In. Whether you are an old pro at equipment specifying or brand new, taking a few minutes now to review your specific needs will certainly save you time and money in the future. And you will be significantly more pleased with your Walk-In because you have taken the time up front to determine your needs both for today and the future.

The first step in properly specifying your Walk-In cooler or freezer is to determine the size you require, how you will use it and where it will be located.

Make a list of all goods to be stored, case sizes, and maximum quantity of goods to be on hand that need to be stored in your Walk-In. Be sure you list all products to be stored, the case dimensions and the number of cases to be stored at any one time. Remember to consider your deliveries and the fact that on certain days (such as delivery days) you will need considerably more cold or frozen food storage. On this list indicate whether the goods are to be refrigerated or frozen. Of great importance when storing frozen food is the proper temperature at which you wish to hold the food. Some products can be safely held at 0 degrees Fahrenheit while others require temperatures as low as -20 degrees.

If your requirements call for a cooler and freezer, will they be in the same location or in different locations? Placing your freezer adjacent to or behind your cooler will keep your operating costs lower, because when the freezer door is open, it will open into the cooler, and not open to the heat of the kitchen. Thus less cold air will escape, reducing the load on the refrigeration system.

Specification Points



Will your Walk-Ins be placed indoors or outdoors? Outdoor additions save valuable indoor space, but may cause other operational considerations

and may require cutting doors from your existing building.

Will your Walk-In be used as part of your visual-merchandising program? If you are going to have your customer base see your Walk-In, you may wish to have a lot of windows or sliding doors in the side of your cooler.

Is there an existing refrigeration source? Does your facility have an existing refrigeration system that could power your new Walk-In? If you do have an existing refrigeration source, how far is it located from the proposed Walk-In? The farther away the refrigeration system is, the greater will be your temperature loss, simply due to the law of physics. What are the specifications of any existing system?

Will you be storing extra heavy items in the Walk-In such as beer kegs? While most handle up to 850 pounds per square foot of weight, some items might weigh more than that. Now is the time

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Special points of interest:

- ◆ Determine the size of unit you require.
- ◆ Specify the accessory group that best meets your needs.
- ◆ Decide where the unit will be located and how it will be used
- ◆ Your specification can be given to any dealer or manufacturer to develop a quotation.

Floor Construction

to consider a reinforced floor, rather than after your Walk-In has been assembled. Reinforced floors can carry loads up to 1200 lbs/ft.sq. Structural floors can carry 4000 lbs/sq. ft of moving load.

Will suppliers be using a two-wheeled hand truck to make deliveries directly to your Walk-In? Consider a ramp or recessed floor to accommodate this type of delivery. There are several choices in ramps: interior, exterior & combination ramps are available. A Thin-line (two inch) floor is now available for a limited amount of installations. Call W.A. Brown for details to see if it will work in your



particular situation. On what type of floor will the Walk-In be constructed? Will it be Wood, Concrete, or Tile? Each type floor has its own advantages and disadvantages.

W. A. Brown will supply a modular, insulated floor from our factory. All freezers require a floor, due to the insulating properties needed. Coolers can be ordered with or without an insulated floor. In cases where you will be providing the floor, make sure it is properly insulated. Will the existing floor handle the weight of the Walk-In box when it is fully loaded?



Beer Kegs are Extra Heavy

Some floors are constructed of smooth mill aluminum, others of Diamond Aluminum Treadplate which resists slipping and aids traction and safety. Most manufacturers offer the Treadplate as an option if not a standard.

Electrical & Plumbing Considerations.

What electrical power is readily available? You will need to know the voltage, phase, and amperage. Voltage in new construction is normally 208V, however in a remodel situation, you may find 208V, 240V or perhaps even 480V. In each event you must confirm the voltage. This voltage can be single or three phase (1 or 3 phase). It is important to know what type voltage, phase and amperage you have available to properly set up your refrigeration system. Some smaller systems operate on 120V, but do not count on this for Walk-In units above 4'x5'. Is there a floor drain available? Refrigeration systems generate condensate water, which must be drained. Some systems offer a "hot gas" evaporative system which eliminate the need for drains. However, at this time, those systems are only available on the smaller refrigeration systems. If a drain is not close by, you will need to provide one.

If your Walk-In is to be located indoors, how many doors are there from the unloading point to the final location? What is the size of these doors? Is there room enough to maneuver the panels as the Walk-In is delivered to the final site? For example, if you have to go up an elevator, will the elevator hold the length of the panels, or will you have to figure out another method (such as going through a window) to gain access to the final assembly site?

Sizing your Refrigeration System



Remote or Self-Contained Refrigeration Used?

Sizing your refrigeration is best handled after sizing the box itself. In general, systems are provided as Self Contained or Remote. Refrigeration systems produce a certain amount of heat, noise and condensation. You may decide you wish those by-products to be remote from your kitchen. However, the trade-off for this is additional expense. If you use this option, be sure to determine the length of run to the Walk-In in advance. Top and side mounted units require space adjacent to the boxes.

What is the frequency of your deliveries? What is the frequency of the opening and closing of your Walk-In door? Both of these can require additional refrigeration capacity to overcome the loss of cold temperatures and the intrusion of heat.

If food product is put away hot, consider increasing the size of refrigeration unit. If the Walk-In door is open a great deal during the day, discuss increasing the size of your refrigeration unit with your dealer. You may also wish to consider purchasing an air curtain or strip door to mitigate stress on the refrigeration unit.

What is the ambient room temperature of the adjacent areas to your Walk-In? Obviously the higher the ambient temperature, the more refrigeration will be required. Many times the Walk-Ins are required to be adjacent to the cooking battery, where the normal temperature is above 85 degrees. All of these issues should be considered when sizing your refrigeration system.

Doors are Important Specification Points!

Walk-In doors are available in many sizes from 24" up to 60". Standard doors are 34" wide, however, custom sized doors are available.

Door finishes are usually available in the same material as modular panels.

Since doors are the only moving part on your Walk-In, look at the door construction. Make sure your manufacturer is using heavy gauge "C" channel construction in their doors and that all accessories are firmly fixed to these channels for longer life.

Door options include locking latches; automatic door closers; locking bars; observation windows; third and digital alarms, just to hinges, extra dial thermometer, name a few.

If you have determined less of permanent may not be the most needs. A three-door reach-in category but the bulk of large cases of product, there that will prove appropriate.

A 4'x5' Walk-In cooler has more storage space than a 3 door reach-in!

storage space than the three door reach-in cooler, at about the same price.

that you have 80 cubic feet or refrigeration needs, a Walk-In economical solution to your in may do the job. If you are in your needs involve dunnage or are Walk-Ins as small as 4'x5' And usually they offer more

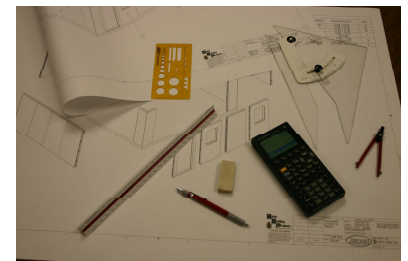


Figuring Shelving For Your Cooler or Freezer

After you calculate the size of your Walk-In, determine the lineal feet of shelving and the number of shelves per section in order to obtain the lineal feet of shelving sections. Most accounts use a 4 tier section. Once you determine the lineal feet of shelving, add 15% -25% for increased business, for the future, and for special food buys. Add 25% if all or most shelving is reserved for loose products. Keep in mind the depth of shelving you will be using. Normally shelving comes in 12", 18" and 24" depths. If you are in doubt, figure your shelving at 18" in width.

When you complete all the above, you will have the total lineal feet of shelving needed. Multiply this figure times the depth of the shelves for total square footage of floor space required for shelving. Multiply this figure by two for required aisle space. Compare this with your estimated storage needs.

This figure should get you 90% of the way to determining sizing requirements. If this figure exceeds the amount of available floor space, consider going five shelves high (in lieu of four) to reduce floor space by approximately 20%. If you choose this route, be aware that you will be required to specify a taller box. Further requirements are possible by creating free standing shelving in the center of the box. This shelving will "share" workspace with the wall shelves. Be sure that this configuration allows for unimpeded access to the door.



If the final figures exceed available space, you may have to consider adding a Walk-In unit outside your kitchen space, or more frequent deliveries.



Be sure to include room to access the shelves in your aisles.

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A 4th Generation
American company



Other Installation Considerations

If the Walk-In is to be placed over a basement, you will either have to pour an insulated floor or purchase a pre-foamed reinforced floor. If any exterior wall of the box serves as a building interior wall, consider upgrading the finish to handle nicks and scrapes. Whether you are considering ordering a foam laminated panel or a poured foam panel be sure to check local codes for required flame and smoke spreads.

If you refrigerate or freeze very large quantities of products or stores, consider constructing the box so that one or more walls of the box become the exterior walls of the building. This will enable you to construct a loading dock immediately adjacent to the box with its own entrance. If you do not have sufficient floor space for a ramp, some units are available with interior ramps. Be sure that such a configuration does not interfere with shelving or loading space or aisle space.

As with all pieces of equipment, thoroughly check for damages or shortages when your unit is delivered. Be sure any damage is noted on the freight bill before you sign it. Common practice dictates that the consignee file any claims for damage or shortage. However, W. A. Brown & Son, Inc. Walk -In units come with a "hassle free" freight plan, in which we will handle all arrangements should your Walk -In arrive damaged or short a panel. Simply make a notation on the bill and fax it to us, and we will handle.

It is recommended that you request a start up demo by the manufacturers representative for any piece of equipment, have questions prepared for the demo, have any operator present at the demo and encourage them to ask questions. Take the time to read the manual that comes with your Walk -In box. You may save yourself some time and aggravation later by completing these very simple steps.

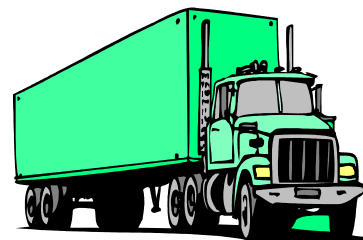
Periodic cleaning of the box interior is a good idea, but be sure to clean the box upon installation. Remember that Aluminum cleaners are different from Stainless Steel cleaners. Consult with your chemical supplier for the best cleaner for your finish.

Your Walk-In box will arrive at your door either on a pallet with shrink wrapping, or in cardboard boxes, and with several "accessory" boxes. We also offer a completely assembled unit, however these units are normally for outside use only, since access to the final location of the unit could be a problem. Long before the unit arrives, be certain that you have checked all floor conditions to provide the best possible life and optimum operation environment for your new box.

Do you need to pour an insulated floor? Is the existing flooring level? Is there enough ceiling clearance? Have you made room for the compressor? For a service tech to work on the compressor should that ever be required?

Think of the following questions. How will you get the equipment off the truck if saddled with a drop-shipment? Have you requested complete shipment services including off loading, uncrating, and setting in place? Equally important, have you made arrangements for professional erection of your Walk-In box and hook up of the refrigeration system?

If you are going to install shelving with aisles in between, make sure that you have left enough room to walk, load and unload product.



**No truck dock? Ask for
a Tailgate Delivery.**

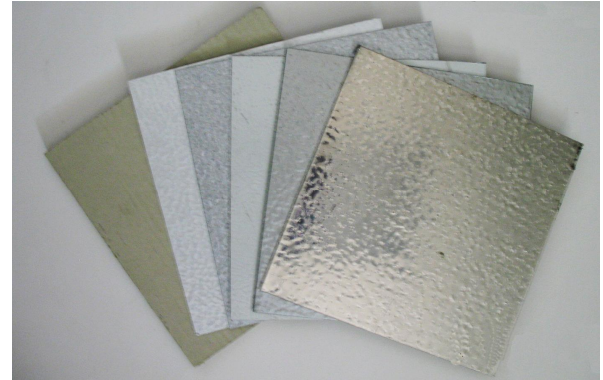
**NOW CHOOSE THE FINISH AND
YOU ARE READY TO SPECIFY
YOUR WALK-IN**

Choose the Right Finish for Your Walk -In

The finish you choose for both the inside and the outside of your Walk-In will have a large impact on both the initial cost, and the aesthetics of your Walk-In, now and for years in the future. Usually, the exterior finishes used are either aluminum or stainless steel. Of course stainless steel is much more expensive, but also much more resistant to dents and scuffs. A stainless steel finish is easier to clean and will not rust. Aluminum, on the other hand, is much softer and can dent much easier. It is, however, significantly less expensive than stainless, and is available both in aluminum or white colors.

A good combination to order is a “stucco aluminum” exterior and interior. The stucco effect (or pebbling look and feel) hides scratches and scrapes much better than flat mill finish. In addition, the aluminum metal is rust resistant, and can be purchased in both silver and white colors, while being significantly less expensive than all stainless steel Walk -Ins.

Outside Walk-Ins now are available with an optional Fiber Cement finish which is very durable and can be field painted to match your existing décor.



Some of the many finishes available from W.A. Brown include: Painted Galvalume, Patterned Stainless Steel, Galvanized White (leather grain) Stucco Aluminum, Stucco White Aluminum, and Fiber Cement.

Looking to Save Space? Consider an Outside Cooler or Freezer.



In today’s cost conscious market, space is extremely valuable. The W. A. Brown Drop -Off unit is a way to use your space more profitably. Just a 10’W x 16’L Drop -Off Cooler saves 160 square feet of floor space inside. With construction costs topping \$75 per square foot, this inside Walk-In unit can sit on \$12,000 worth of floor space.

Drop Off units are pre-assembled at the factory by Brown’s professional installers. They arrive complete with NSF covered flooring, ceiling, and corners and with the refrigeration already installed. All you do is provide the electricity, and your unit is ready to begin working for you. Check your local codes for specific needs regarding concrete pad requirements. Drop -Off Walk-In coolers and freezers may require the use of an on -site crane to off-load from the delivering truck if your unit is larger than 14’. Different states have different transportation laws.

W.A. Brown’s transportation department will make the necessary arrangements for you should you desire to purchase a drop-off unit. The roof system includes a proprietary, seamless, one -piece water proof membrane, to guarantee a leak-proof roof.

Standard floor height is 7.375” on units smaller than 21’ long, and 6” on units larger than 21’ in length, due to the type of underbracing required. Locate the concrete pad accordingly.

Need Professional Installation? Special Lights?



- Will you require professional installation from your Walk -In manufacturer, or will you assemble the unit yourself on site?
- Will you require High Temperature Alarms or will the standard Dial Thermometer be sufficient?
- Will any special lighting such as fluorescent light be required?
- How will your supplier be bringing product to your Walk -In, and will you require any special floor, ramps or other support?
- Which warranty suits your needs best?

There are many options with which you can customize your Walk -In unit. Choose the right combination which will serve both your current and your future needs .

Walk-In Worksheet

Will your cooler and freezer be in the same location? (Combination boxes) _____
Or different locations? _____ (Separate boxes)

Will your Walk-In be placed indoors _____ or outdoors? _____

Will your Walk-In be used as a part of your visual merchandising program? _____

Is there an existing refrigeration source? _____

If Yes, what is the distance from the proposed Walk -In site? _____

Will you be storing extra heavy items in the Walk -In, such as beer kegs? _____

Will deliveries be made directly to your Walk -In by suppliers using two wheeled hand carts? _____

What is the ambient room temperature in the vicinity of the proposed Walk -In? _____

Will any exterior walls of the Walk-In be interior walls of the kitchen or hallway, etc? _____

What is your available voltage? _____ Phase? _____ Amp Capacity? _____

Is there a floor drain close by the refrigeration source? _____

Indicate the type of floor on which the Walk-In will be constructed.

Wood _____ Concrete _____ Tile _____ Other _____

Is the existing floor insulated? _____

Will the floor handle the weight of the proposed Walk -In box fully loaded? _____

Is there a basement below the proposed Walk -In space? _____

How much space is available? Height _____ Width _____ Length _____

Indicate offsets and other installation considerations in a sketch and attach.

If the Walk-In is indoors, how many doors are there from the unloading point to the final location? _____

What is the height and width of these doors? _____

Draw a sketch (top view) of your new Walk -In.

Specification Work Sheet

Type Unit

Dry storage only _____

Cooler only _____

Freezer only _____

Combination Cooler and Freezer _____

Indoor Box _____

Outdoor Box _____

With floor _____

Without floor _____

Prefabricated and assembled (Drop Off Box) _____

Finish

Stucco Aluminum _____

Galvalume Plus _____

White Leather Grained Galvanized _____

White Epoxy Smooth Aluminum _____

Mill finish Aluminum (smooth) _____

Patterned Stainless Steel _____

Interior and Exterior finish the same? _____

Fiber Cement (for outside units only) _____

Door

Size needed _____ (width x height)

Swing Left Hinge _____

Swing Right Hinge _____

Overall Dimensions Cooler

_____ (L) _____ (W) _____ (H)

Overall Dimensions Freezer

_____ (L) _____ (W) _____ (H)

Refrigeration

Temperature of Cooler _____

Temperature of Freezer _____

Self Contained _____ Top Mount _____

Side Mount _____

Remote _____

Pre Assembled _____

Pre Charged Lines _____

EZ Pack _____

Ft. Distance from Walk-in to Compressor _____

Hermetic _____ Semi Hermetic _____

Air Cooler _____ Water Cooler _____

Electrical

Compressor Voltage _____ Phase _____ Amps _____

Lights and Door heater Voltage if other than 120 V _____

More Options and Accessories

- NSF Construction _____ UL Listed _____
- Window in Door _____ Size 14"x14" _____ Size 14"x24" _____ Heated? _____
- Solid Glass Merchandising Doors _____
- Third Door Hinge _____ Foot Treadle _____
- Kick Plate Outside _____ Kick Plate Inside Door _____ Height _____
- Strip Curtain Door _____ Interior Ramp _____ Exterior Ramp _____
- Extra Lights _____ florescent _____ incandescent _____
- Roof Support Channels (for larger boxes) _____ Trim Strips _____
- Shelving Units _____ Depth of Shelves _____
- Number of Tiers of Shelving _____ Corner Guards _____
- Bumper Rails _____
- Rain Cap for Outside Door _____
- Membrane Roof Cap _____ White _____ Black _____
- Outdoor Housing for Compressor _____
- Outdoor Compressor Stand _____
- Winterized Controls and Drains _____
- Low Ambient Safety Kit _____
- Electric Defrost with Timer _____
- Dunnage Racks _____
- Roll-In Racks _____
- Reinforced Floor _____
- Digital Thermometer _____
- Digital Temp Alarm _____
- Deluxe Temp Alarm w/Door Ajar _____

Can't find exactly what you need?
Contact your W.A. Brown & Son, Inc.
representative for even more options
and alternatives.



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