



OWNER'S GUIDE

MARVEL PROFESSIONAL UNDERCOUNTER REFRIGERATION

FOR MODEL # MPBV424



THE ORIGINAL REFRIGERATION EXPERTS SINCE 1892

WELCOME

Welcome to the Marvel Experience

Thank you for choosing our quality American-built product to add to your home. We are thrilled to welcome you to our growing community of Marvel owners, who trust in our products and our support.

The information in this guide is intended to help you install and maintain your new Marvel undercounter model to protect and prolong its lifetime. We encourage you to contact our Technical Support team at (616) 754-5601 with any questions.

Got a Marvelous Design?

We would love to see how your Marvel product looks in its new home. Send us photos at marketing@marvelrefrigeration.com, and we might feature your Marvel home design on our website and social media!

Bonus Third-Year Warranty Free with Product Registration

Your Marvel Professional product qualifies for a one-year extension of the two-year warranty coverage from your date of purchase, free of charge. To take advantage of this third-year warranty, be sure to register your product with Marvel within 60 days from the date of purchase at marvelrefrigeration.com and provide proof of purchase.



Thank you again for investing in Marvel for your home!

Warranty Registration

It is important you send in your warranty registration card immediately after taking delivery of your appliance or you can register online at www.marvelrefrigeration.com.

The following information will be required when registering your appliance:

Service Number

Serial Number

Date of Purchase

Dealer's name and address

Online registration available at www.marvelrefrigeration.com

The service number and serial number can be found on the serial plate which is located inside the cabinet on the left side near the top.

MARVEL	
GREENVILLE, MI 48838	
MODEL NO.	<input type="text"/>
SERVICE NO.	<input type="text" value="XXXXXXXXXX"/>
SERIAL NO.	<input type="text" value="XXXXXXXXXX"/>
HZ <input type="text"/>	VOLTS <input type="text"/> AMPS <input type="text"/> R600A <input type="text"/> g
TEST PRESSURE 140 PSI LOW SIDE 300 PSI HIGH SIDE	

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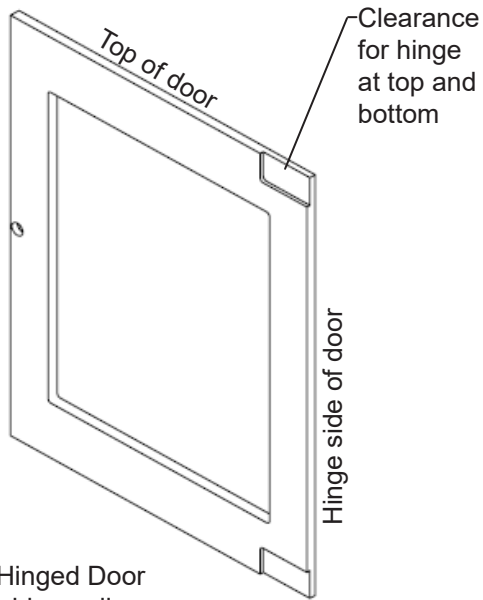
Tip: Click on any section below to jump directly there

Installation

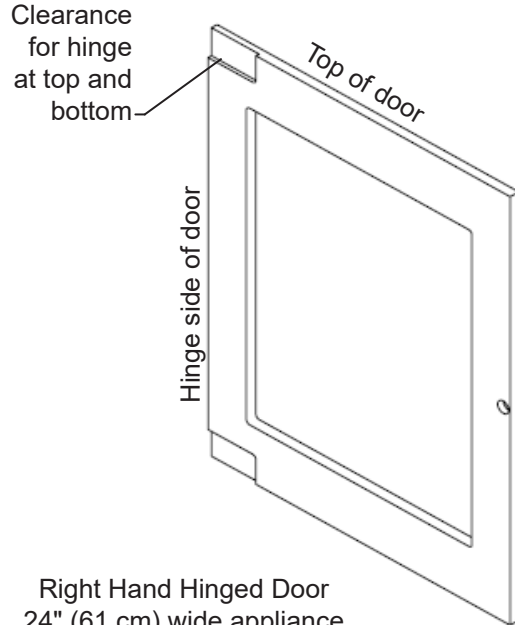
[Integrated Panel Dimensions](#)

[Integrated Panel Installation](#)

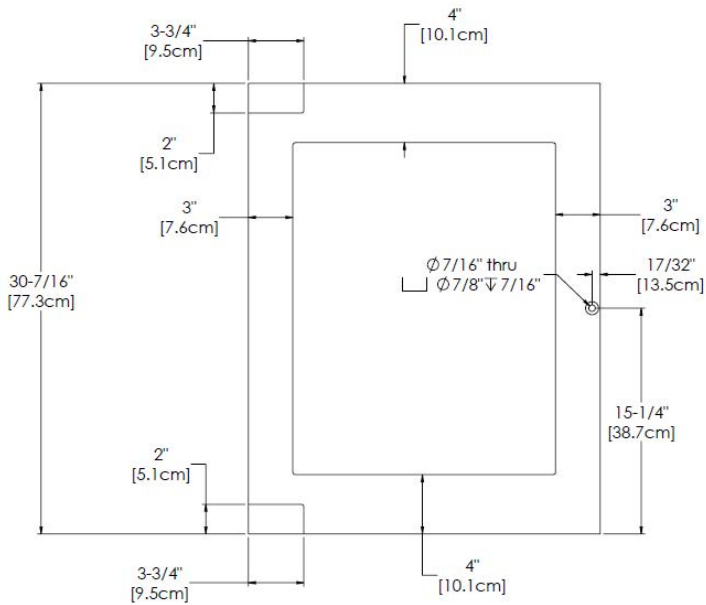
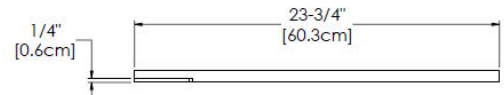
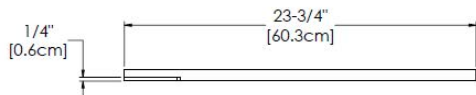
INTEGRATED PANEL DIMENSIONS



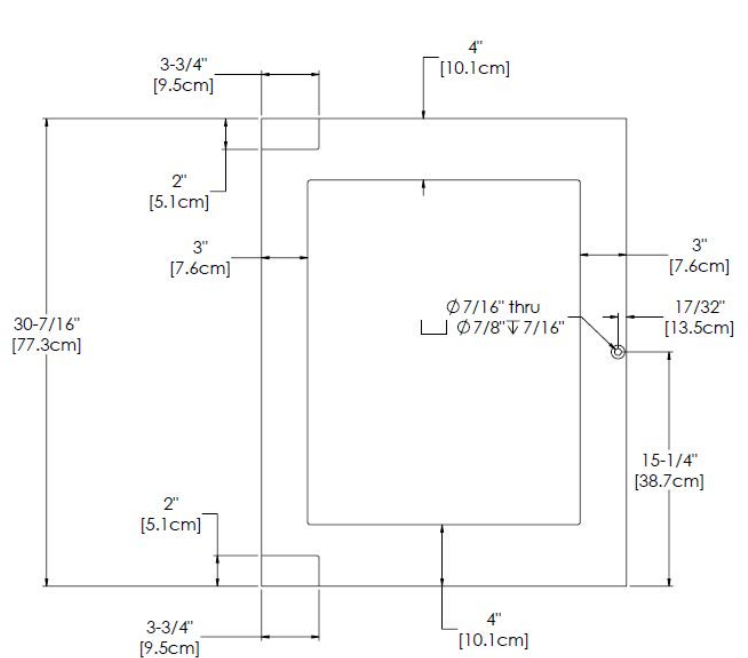
Left Hand Hinged Door
24" (61 cm) wide appliance



Right Hand Hinged Door
24" (61 cm) wide appliance



Left Hand Hinged Door
24" (61 cm) wide appliance



Right Hand Hinged Door
24" (61 cm) wide appliance

INTEGRATED PANEL INSTALLATION

Integrated door panel installation:

If you purchased an integrated panel model, your unit is equipped with articulated hinges to allow fully integrated built-in installations. Custom panel thicknesses of $\frac{5}{8}$ " (15 mm) and $\frac{3}{4}$ " (18 mm) are accommodated.



CAUTION

It is important to use the factory provided grille that came with the product to assure proper air flow is maintained through the condenser. The use of a custom grille is not recommended and will void the warranty.



WARNING

Integrated panel models are designed for use with **built-in installations only**. Use in freestanding installations could result in personal injury.

Step 1: Removing the Door

Open the door and loosen the screws holding the hinges to the cabinet (2 at the top and 2 at the bottom hinge). Do not remove the screws but loosen them enough so the hinges can be slipped off of the screws when sliding the door to the side.



WARNING

The articulated hinges have many pinch points. Carefully close / collapse the hinges as soon as the door is removed from the cabinet.

With a helper, and being careful not to scratch the cabinet or the door, slide the door to the side about $\frac{1}{2}$ inch and remove the hinges and door from the unit.

INTEGRATED PANEL INSTALLATION



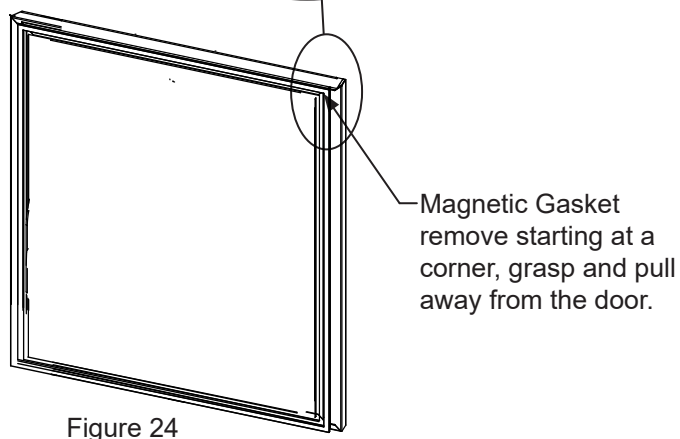
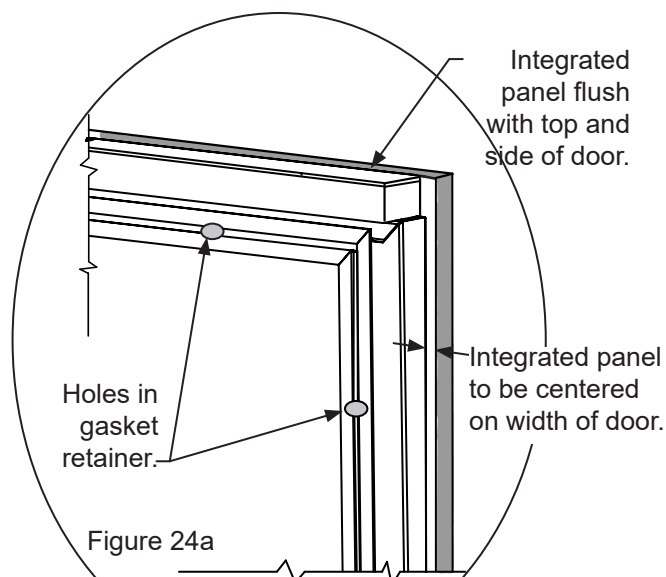
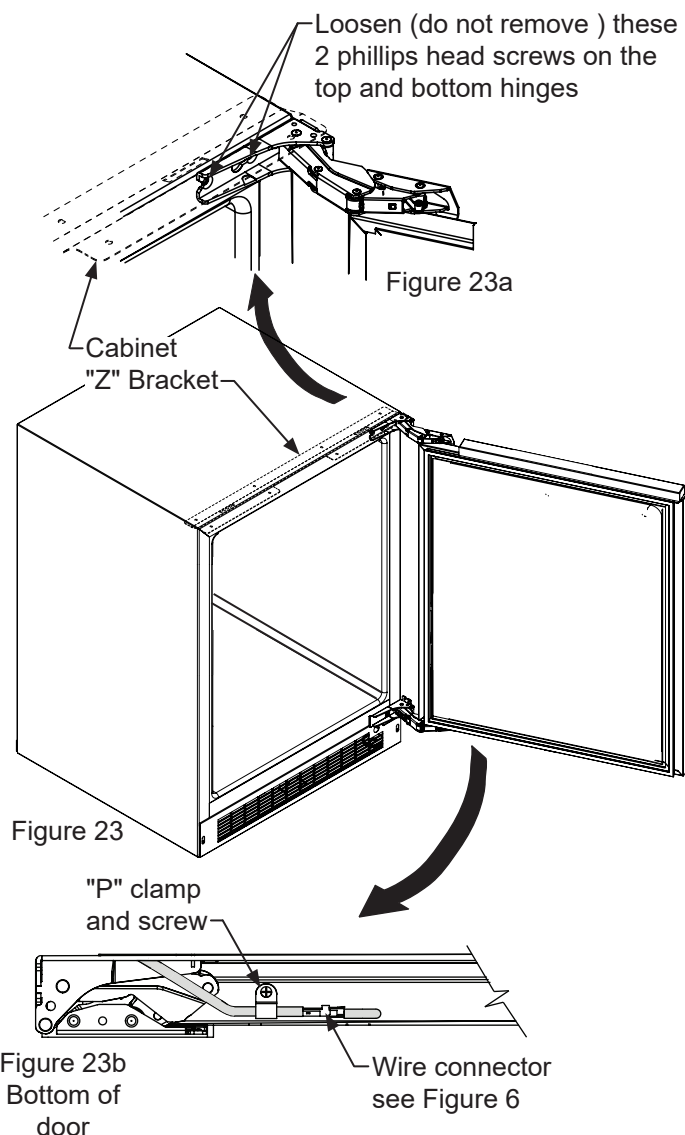
WARNING

Use extreme caution with the articulated hinges. The hinge is self closing and many pinch points exist prior to built-in installation. **Do not remove the cabinet "Z" bracket from the top of the cabinet.**

Step 2: Remove the door gasket

With the door laying on a flat surface and starting at a corner of the door remove the magnetic door gasket from the interior side of the door, see Figure 17. Set the gasket aside on a flat surface.

There are 10 holes in the gasket retainer extrusions, (3 on each side and 2 at the top and bottom which are used to fasten the panel to the front of the door. The screws are provided in the literature pack along with the door lock, which is provided on certain models.



Step 3: Cut and drill the integrated panel

Depending on your model cut the integrated door panel to the dimensions shown in Figures 19 to 22. The window cut out is for glass door models only. If your appliance has a lock also drill the lock hole in the panel, see Figure 25.

INTEGRATED PANEL INSTALLATION



CAUTION

Weight of integrated door panel must not exceed 15 pounds (6.8 kg) for a solid door model or 10 pounds (4.5 kg) for a glass door model.

Material Type	#10 Wood Screw
Hardwood	$\frac{1}{8}$ " (3.2 mm) Diameter. Pilot Hole
Softwood	$\frac{1}{16}$ " (2.8 mm) Diameter. Pilot Hole

Table A

Step 4: Assemble the panel to the door

The preferred method of attaching the panel to the door is to clamp the panel to the door so it cannot move while drilling the screw pilot holes. Use bar clamps or "C" clamps with pads on the clamping surfaces that will not mar the panel or the door. The custom integrated panel should be flush with the top of the door and centered along the width of the door. See Figure 16a. Drill holes through the gasket extrusion using the 10 holes as pilot holes. Use the drill size from the chart in Table "A", being careful not to drill through the front surface of the panel. If the integrated panel is thinner than $\frac{5}{8}$ " (16 mm) thick shorter screws will have to be obtained. Fasten the panel to the door with the 10 screws provided in the literature pack. (See Figure 25a). Remove the clamps and replace the gasket in the gasket extrusion channels of the door. Some force may be required to seat the gasket into the channels. Be sure the gasket corners are seated properly.

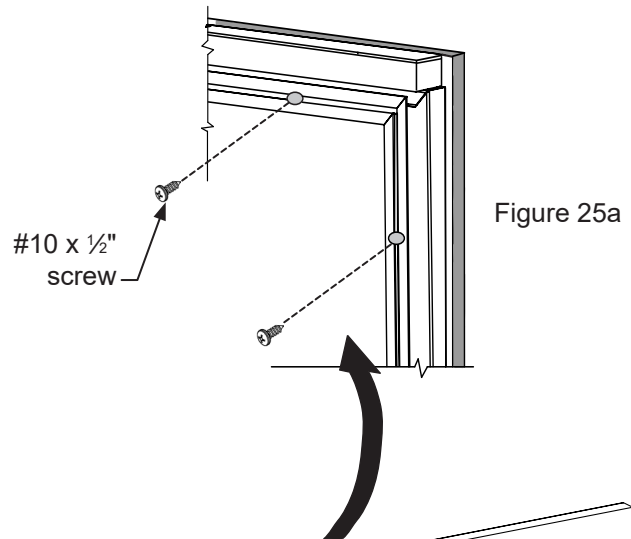


Figure 25a

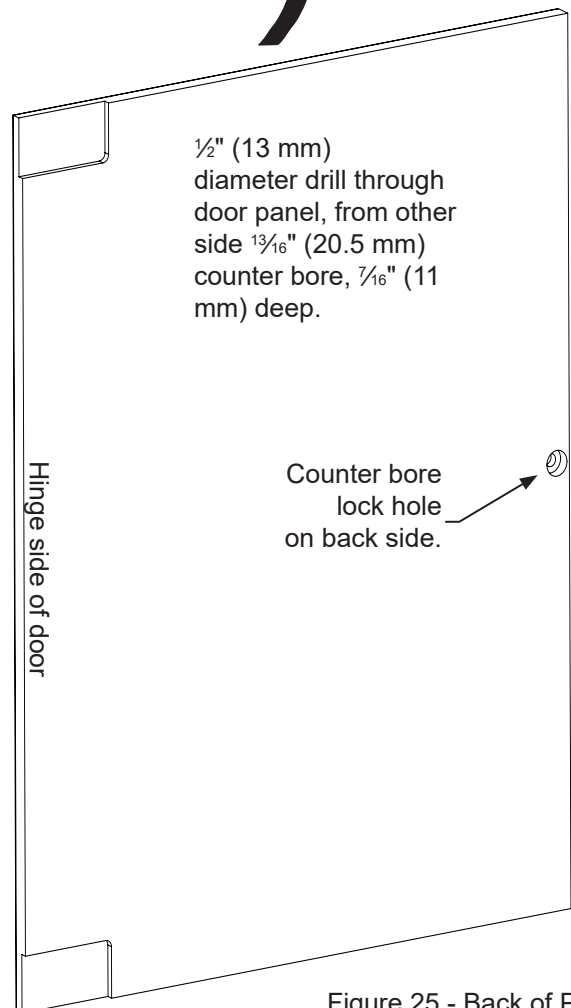


Figure 25 - Back of Panel

INTEGRATED PANEL INSTALLATION

Step 5: Assemble lock parts

Two (2) lock extensions are provided with the lock. Use the longer extension for $\frac{3}{4}$ " thick integrated panels and the shorter one for $\frac{5}{8}$ " thick integrated panels. Assemble the lock extension, cam stop washer, spring washer, and set screw to the lock as shown in Figure 26 and 27.

Install this lock assembly into the lock hole in the integrated panel and secure with the retaining nut on the back side with a 15 mm socket and ratchet. Make sure the key slot in the front of the lock is vertical.

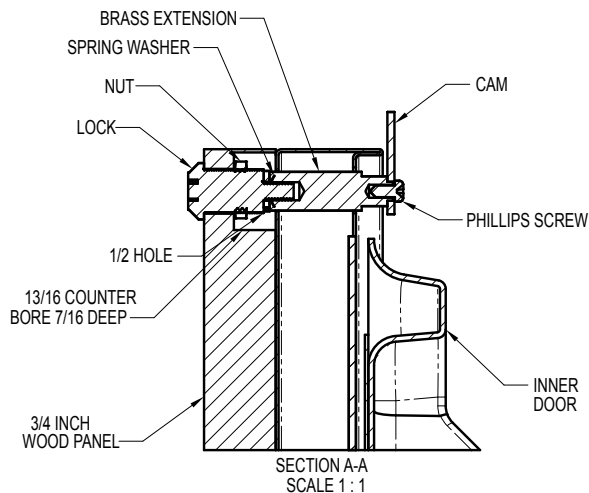


Figure 26

Step 6: Install lock cam

Attach the lock cam to the back of the lock assembly with the phillips head screw provided. Orient the lock cam vertically when installing on the lock.

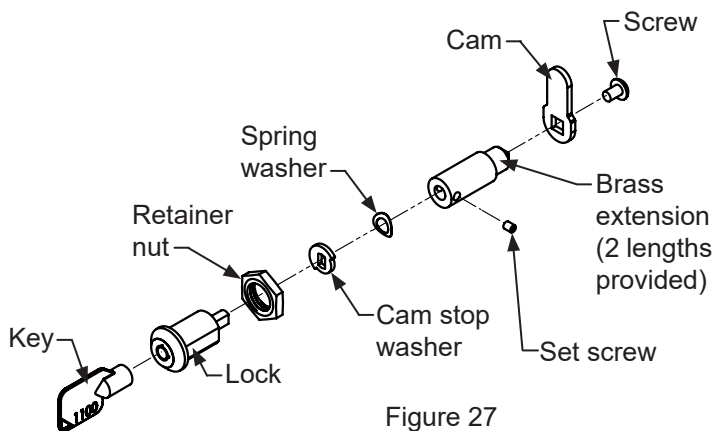


Figure 27

Step 7: Install the door

Carefully open the top and bottom hinges on the door being careful as there are many pinch points. Place the hinges over the 4 screws in the cabinet, 2 at the top and 2 at the bottom and slide the door into position. Tighten the 4 hinge screws with a phillips screwdriver. (See Figures 25 and 25a).

Step 8: Secure the cabinet

Use the #8 x $\frac{3}{4}$ " black screws from the literature pack to secure the counter top to the cabinet top through the holes in the cabinet "Z" bracket.

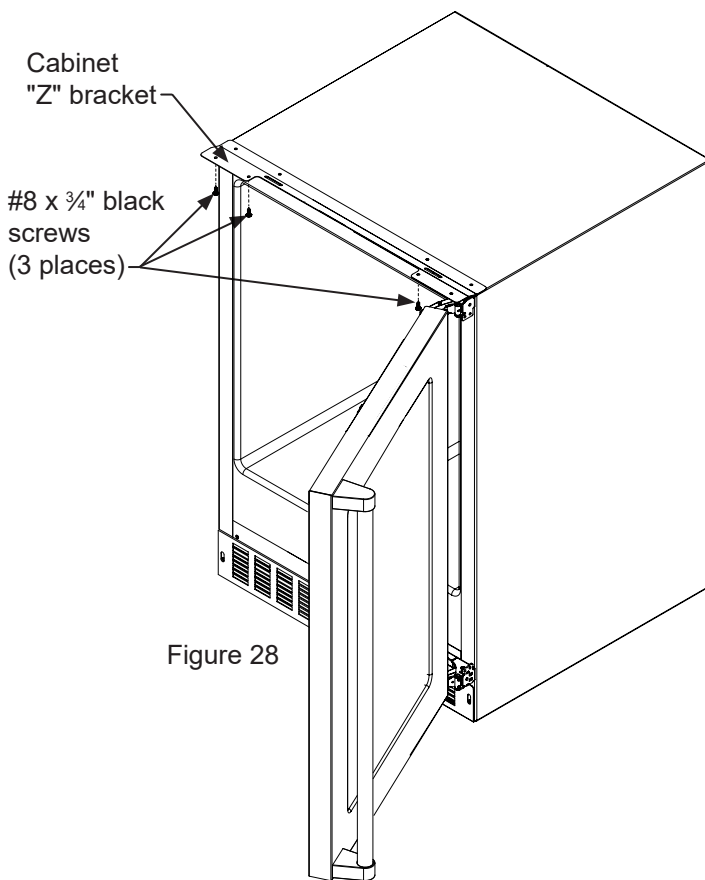


Figure 28