

PTAC EXTENDED METAL WALL SLEEVE INSTALLATION INSTRUCTIONS

The wall sleeve must be installed before the air conditioner or heat pump chassis can be set in place.

Read the instructions thoroughly before proceeding.

ATTENTION INSTALLING PERSONNEL

As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION

WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT. IMPROPER INSTALLATION, ADJUSTMENT, SERVICING OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

PROP 65 WARNING FOR CALIFORNIA CONSUMERS

WARNING

Cancer and Reproductive Harm -
www.P65Warnings.ca.gov

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Note: a corrugated weather barrier is also included. If required, it can be attached to the rear of the sleeve to provide temporary weather protection.

Air conditioner and rear grille are shipped separately.

PACKAGE CONTENTS

Bottom Panel	1	Air Separator Panels	2
Left Side Panel	1	Weather Barrier	1
Right Side Panel	1	White Push Pins	12
Top Panel	1		

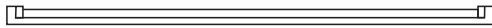


WALL SLEEVE ASSEMBLY

Step 1 - Set Bottom Panel on a clean flat and level surface.

NOTE: Right and Left drain holes are in the back of the base pan.

Front View



Step 2 - Locate Left Side Panel. Align panel in the Left Bottom Panel slot. Fully insert Left Panel into Bottom Panel until locking tabs engage.



Front View

Step 3 - Locate Right Side Panel. Align panel in the Right Bottom Panel slot. Fully insert Right Panel into Bottom Panel until locking tabs engage.



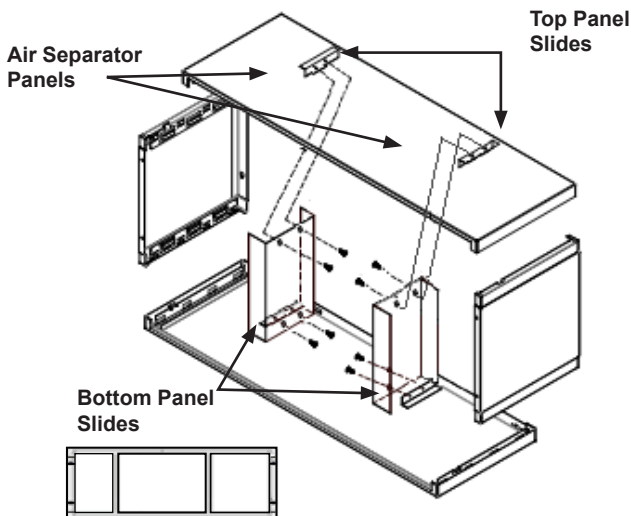
Front View

Step 4 - Locate Top Panel and align with top of Right and Left Side Panels. Fully insert Top Panel into Right and Left Side Panels until locking tabs engage.



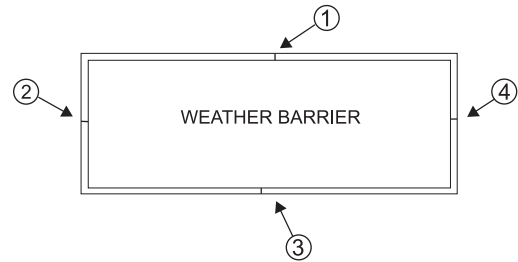
Front View

Step 5 - Locate two Air Separator Panels and align with slide holes in the Top and Bottom Panels. Insert (8) supplied "White" push pins in the top and bottom holes to secure Air Separator Panels. The gaskets need to face the back of the sleeve so they will fit up against the exterior grille. **Securing the Air Separator Panels is a critical step. Failure to install the Air Separator Panels or failure to install them properly will cause the PTAC to malfunction and the warranty to become void.**



Finished Assembly - Front View

Step 6 - (If required) Locate Weather Barrier and attach to the rear of the assembled sleeve with four (4) supplied "WHITE" push pins. Insert push pin in hole and turn to lock.



SELECTING SLEEVE LOCATION

Use the following guide for selecting the proper sleeve location:

1. Allow at least 14 inches from front of wall sleeve for removal of front panel and air conditioner for maintenance.
2. The sleeve may be installed flush against the floor (including carpeting), except for installations using a subbase. See SUBBASE INSTALLATIONS section below.
3. For cord-connected air conditioners, an electrical receptacle must be located within reach of power cord. Consult air conditioner manufacturer's specifications for actual power cord length.

WALL PREPARATION

Proper attention to wall preparation, opening size and good construction practices are essential to a trouble free sleeve installation.

Wall Opening Size — Recommended minimum wall opening is 42¼ in. wide x 16⅞ in. high.

WOOD/STEEL FRAMING — Build a frame to the minimum wall opening size to support the sleeve as shown in Figure 1.

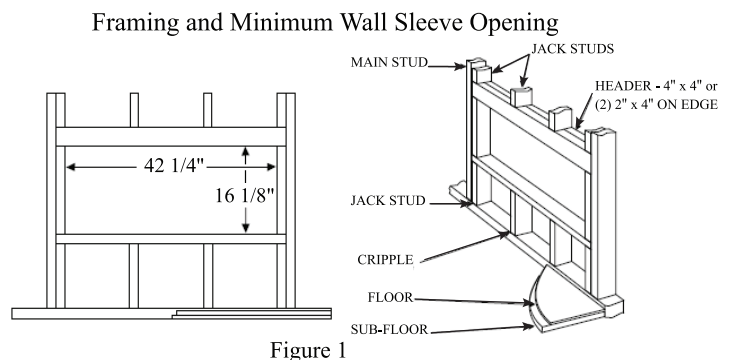


Figure 1

MASONRY WALLS — Create the recommended minimum wall opening, 42¼ in. wide x 16⅞ in. high. The sleeve will not support concrete block or bricks. Use proper sized lintels to support block or bricks above wall opening. The sleeve should be fastened to masonry walls with masonry screws

(field supplied). If the opening is framed in wood, use wood screws to secure the sleeve.

CURTAIN WALL—Use case angles to create the recommended minimum wall opening, 42¼ in. wide x 16½ in. high, for installations such as curtain walls, window walls, or where the structural material of the wall is insufficient to support or fasten the wall sleeve to. Case angles are pieces of steel or similar material that are formed to a 90° angle. Add holes to fasten the case angle to the sleeve and to the structural component of the wall.

SLEEVE INSTALLATION

Step 1 Prepare Sleeve — If grille is to be installed at this time, remove and discard weather barrier panel and install rear grille per the manufacturer's instructions. If condensate drain tube is to be installed at this time, install per the manufacturer's instructions.

Step 2 Setting Sleeve — Position the fully assembled sleeve in the wall opening with the bottom down and the drain holes toward the outdoors.

Sleeve must extend at least ⅝ inches beyond building exterior to assure proper drainage and to allow weather tight seal. Sleeve must extend at least ¼ inches into room for proper weatherproofing.

 CAUTION
DO NOT REMOVE THE THERMAL INSULATION FROM SLEEVE.

Step 3 Leveling Sleeve — Place level in locations shown in Figure 2. Sleeve must be mounted level side to side and a ¼ bubble tilt front to back. This allows for proper condensate drainage.

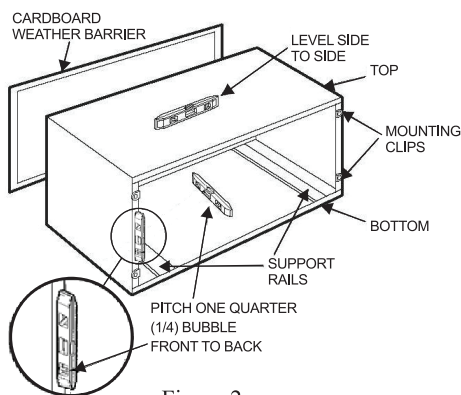


Figure 2

NOTE: For internal drains the sleeve needs to level from Left to Right and Front to Back. The sleeve may NEVER be allowed to be un-level into the room side. When drilling the hole in the bottom of the sleeve, make sure the hole is located as close the outside wall as possible. Verify that the hole does not have any obstructions. The water must clearly drain to the location where the hole has been drilled. If drilling from the bottom side of the sleeve. Be careful that you do not cause any distortion that would cause the sleeve to have a bump up and not allow the water to get to the drain hole. Mount the drain kit from the bottom of the sleeve as per the drain kit instructions.

Step 4 Fastening Sleeve to Wall — Locate and mark two (2) holes on each side approximately 4-inches from the bottom and 4-inches from the top.

Drill 3/16-in. pilot holes and use field supplied #10 x 1-in. stainless steel screws, or appropriate fasteners for the wall construction, to secure sleeve in place

 CAUTION
NEVER DRILL OR INSTALL FASTENERS THROUGH THE TOP OR BOTTOM OF SLEEVE.

Check the sleeve is level side to side and a 1/4 bubble tilt front to back. Adjust if necessary.

WEATHER PROOFING SLEEVE

Step 5 Exterior Weather Proofing — Proper weather proofing of all sides between the wall surface and sleeve is essential to assure a trouble-free installation.

Apply sealant, caulking or equivalent weather proofing material around the perimeter of the sleeve to eliminate outdoor air and water leaks into the room.

NOTE: Expandable foam insulation may be added to fill large wall gaps. Apply per manufacturer's instructions.

Step 6 Interior Weather Proofing — Apply sealant, caulking or equivalent weather proofing material to joints around the perimeter (including bottom) of the sleeve to create a total air seal.

SUBBASE INSTALLATION

SUBBASE INSTALLATIONS— When installing a subbase to support the sleeve or for an electric receptacle for the power cord, the sleeve must project 2¼ inches into the room to have room for the subbase and receptacle box. The sleeve must be installed between ¾ to 5½ inches (maximum) above floor (including carpeting).

IMPORTANT: If sleeve projects more than 4 inches into a room, manufacturer recommends a subbase or leveling legs accessory to prevent the sleeve from sagging or cantilevering into the room.instructions.

PROTECT WALL SLEEVE

 CAUTION
PROTECT WALL SLEEVE DURING INTERIOR AND EXTERIOR SURFACE CLEANING FROM CORROSIVE AND ACIDIC CHEMICALS. THESE TYPES OF CHEMICALS WILL CAUSE PAINT DAMAGE AND PREMATURE RUSTING TO THE WALL SLEEVE.

CUSTOMER FEEDBACK

We are very interested in all product comments.

Please fill out the feedback form on one of the following links:

Goodman® Brand Products: (<http://www.goodmanmfg.com/about/contact-us>).

Amana® Brand Products: (<http://www.amana-hac.com/about-us/contact-us>).

You can also scan the QR code on the right for the product brand you purchased to be directed to the feedback page.



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19001 Kermier Rd. • Waller, TX 77484 • www.amana-ptac.com

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