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READ INSTRUCTIONS CAREFULLY BEFORE INSTALLATION | BE SURE TO INSPECT ALL VENTS FOR SHIPPING DAMAGE BEFORE INSTALLING

**Sealed Series Vents (FFWF12 | FFWF08 | FFWF05)**

**NEW CONSTRUCTION (See specifics for Stucco, Brick Skirt, and Block Pier installations below)**

- Leave rough openings of 8"x16" for each vent
- Blocks over the vent must be positioned as half blocks. The vent is not designed to support weight.
- When installing the vent, be sure the side marked "top" is facing up and the vent grill is facing the outside of the foundation. The rubber flaps should be on the crawl space side of the foundation.
- To install the vent,
  - Apply several large beads of construction adhesive on the bottom of the rough opening. Insert the vent on top of the adhesive.
  - Apply two large beads of adhesive on the top-front (grill side) of the left and right sides of the vent.
  - Secure the vent in place with plastic shims by pushing them through the adhesive on the top of the vent until the shims are snug and in place between the top of the vent and the foundation block opening. In order to secure the grill within the security tabs on the bottom of the vent, the shims MUST be positioned over the top-front of the vent where the grill hinge inter-locks with the vent housing.
  - Be sure the security tabs engage the grill by shimming around the vent as necessary.
  - DO NOT OVER-TIGHTEN SHIMS AROUND THE VENT.
  - Verify vent is level and straight.
- The vent grill MUST be clear of all construction debris, adhesive or other installation materials.
- Use exterior caulk to fill in any cracks or gaps remaining around the vent.
- Position the grill between the security tabs. If the grill cannot swing freely, the shims around the vent are too tight and need to be adjusted.
- Position both flaps into channels on the bottom of the vent's interior.

**STUCCO INSTALLATIONS –Models FFWF08 and FFWF05 suggested for this application**

- **Note:** Exterior wall systems like Stucco and EIFS must be designed to manage moisture around the flood vent opening.
- The front of the vent should be positioned flush with the finished stucco or the outside of the foundation wall. This will allow the stucco to be applied and finished around the vent.
- Protect the front of the vent with plastic and tape if stucco is going to be applied after the installation. The plastic MUST be removed after the application of stucco is complete.

**BRICK SKIRT INSTALLATIONS – Model FFWF12 suggested for this application**

- It is recommended that the vent be installed after the construction of the foundation wall and during the construction of the brick skirt. This will insure the vent is aligned with both the opening in the foundation and the brick skirt.
- The front of the vent should be positioned ¼" of an inch from the front of the brick skirt.
- The vent will be placed in the opening of the foundation and the brick will be built up and around the front of the vent.
- The front and back of the vent need to be covered in plastic and secured with tape in order to keep any excess mortar off of the moving parts of the vent.
- Protect the front and rear of the vent with plastic and tape until the brick skirt installation has been completed. The plastic MUST be removed after the installation is complete.

**BLOCK PIER INSTALLATIONS –Model FFWF05 suggested for this application**

- Place a steel lenti over the top of the rough opening to support the upper courses of bricks above the vent. The vent is not designed to support weight.
- The front of the vent should be ¼" of an inch from the exterior face of the brick skirt.
- Be sure the vent is level

**RETRO-FITTING (See specifics for Block Pier retro-fits below)**

- Gently remove the existing vent.
- Blocks over the vent must be positioned as half blocks. The vent is not designed to support weight.
- When installing the vent, be sure the side marked "top" is facing up and the vent grill is facing the outside of the foundation. The rubber flaps should be on the crawl space side of the foundation.
- Install the new vent from the interior of the crawlspace. *Tip: It may be helpful to have a second person on the exterior of the crawlspace to help line up the vent.*
- DO NOT force or wedge a vent into an opening. This could deform or damage the vent and could result in a malfunction of the vent.
- The front of the vent should be placed ¼" of an inch from the outside of the foundation wall.
- To install the vent,
  - Apply several large beads of construction adhesive on the bottom of the rough opening. Insert the vent on top of the adhesive
  - Apply two large beads of adhesive on the top-front (grill side) of the left and right sides of the vent.
  - Secure the vent in place with plastic shims by pushing them through the adhesive on the top of the vent until the shims are snug and in place between the top of the vent and the foundation block opening. In order to secure the grill within the security tabs on the bottom of the vent, the shims MUST be positioned over the top-front of the vent where the grill hinge inter-locks with the vent housing.
  - Be sure the security tabs engage the grill by shimming around the vent as necessary.
  - DO NOT OVER-TIGHTEN SHIMS AROUND THE VENT.
  - Verify vent is level and straight.
- The vent grill MUST be clear of all construction debris, adhesive or other installation materials.
- Use exterior caulk to fill in any cracks or gaps remaining around the vent. *Tip: Select a caulk color that matches the stucco/mortar color to make this vent swap less noticeable.*
- Any opening between the rear of the vent and the foundation block should also be caulked. If using an expanding foam material, be sure not to overfill around the vent because this could cause the vent to be deformed and result in a malfunction of the vent.
- Position the grill between the security tabs. If the grill cannot swing freely, the shims around the vent are too tight and need to be adjusted.
- Position both flaps into channels on the bottom of the vent's interior.

**BLOCK PIER RETRO-FIT –Model FFWF05 suggested for this application**

- The front of the vent should be ¼" of an inch from the exterior face of the brick skirt.
- Be sure the vent is level.

*See reverse for additional installation instructions*



**WOOD STUD WALLS** – Models FFWF12, FFWF08 or FFWF05 suggested for this application. Choose flood vent depth to match wall thickness.

- **Note:** Follow the siding manufacturer’s requirements for sealing between the siding and any openings.
- Leave rough openings of 8”x16” for each vent
- When installing the vent, be sure the side marked “top” is facing up and the vent grill is facing the outside of the foundation. The rubber flaps should be on the crawl space side of the foundation.
- Install the new vent from the interior of the crawlspace. *Tip: It may be helpful to have a second person on the exterior of the crawlspace to help line up the vent.*
- To install the vent,
  - Apply several large beads of construction adhesive on the bottom of the rough opening. Insert the vent on top of the adhesive
  - Apply two large beads of adhesive on the top-front (grill side) of the left and right sides of the vent.
  - Secure the vent in place with plastic shims by pushing them through the adhesive on the top of the vent until the shims are snug and in place between the top of the vent and the framing. In order to secure the grill within the security tabs on the bottom of the vent, the shims **MUST** be positioned over the top-front of the vent where the grill hinge inter-locks with the vent housing.
  - Be sure the security tabs engage the grill by shimming around the vent as necessary.
  - **DO NOT OVER-TIGHTEN SHIMS AROUND THE VENT.**
  - If desired, screws may also be used to secure the vent to the studs. If screws are used on the interior of the vent, they **MUST** be placed in locations that will not affect the swinging action of the grill or flaps. Do not over tighten screws. *Tip: Use rust resistant screws.*
  - Verify vent is level and straight.
- The vent grill **MUST** be clear of all construction debris, adhesive or other installation materials.
- Use exterior caulk to fill in any cracks or gaps remaining around the vent.
- Position the grill between the security tabs. If the grill cannot swing freely, the shims around the vent are too tight and need to be adjusted.
- Position both flaps into channels on the bottom of the vent’s interior.

**STACKER MODELS (VENT STACKING)** – All models may be used for this application

- Leave rough openings of 16”x16” for each stacker model vent
- Secure the two vents together by placing 3-4 beads of construction adhesive to the top of the bottom vent. Place the second vent on top of the beads of adhesive making sure the ribs fit securely.
- Follow applicable installation instructions provided above.
- Use exterior caulk to fill in the gap between the top and bottom vent.

**Multi-Purpose Series Vents (FFNF12 | FFNF08 | FFNF05)**

**NEW CONSTRUCTION** (See specifics for Stucco, Brick Skirt, and Block Pier installations above)

- Leave rough openings of 8”x16” for each vent
- Blocks over the vent must be positioned as half blocks. The vent is not designed to support weight.
- When installing the vent, be sure the side marked “top” is facing up and the vent grill is facing the outside of the foundation.
- To install the vent,
  - Apply several large beads of construction adhesive on the bottom of the rough opening. Insert the vent on top of the adhesive.
  - Apply two large beads of adhesive on the top-front (grill side) of the left and right sides of the vent.
  - Secure the vent in place with plastic shims by pushing them through the adhesive on the top of the vent until the shims are snug and in place between the top of the vent and the foundation block opening. In order to secure the grill within the security tabs on the bottom of the vent, the shims **MUST** be positioned over the top-front of the vent where the grill hinge inter-locks with the vent housing.
  - Be sure the security tabs engage the grill by shimming around the vent as necessary.
  - **DO NOT OVER-TIGHTEN SHIMS AROUND THE VENT.**
  - Verify vent is level and straight.
- The vent grill **MUST** be clear of all construction debris, adhesive or other installation materials.
- Use exterior caulk to fill in any cracks or gaps remaining around the vent.
- Position the grill between the security tabs. If the grill cannot swing freely, the shims around the vent are too tight and need to be adjusted.

**RETRO-FITTING**

- Gently remove the existing vent.
- Blocks over the vent must be positioned as half blocks. The vent is not designed to support weight.
- When installing the vent, be sure the side marked “top” is facing up and the vent grill is facing the outside of the foundation.
- Install the new vent from the interior of the crawlspace. *Tip: It may be helpful to have a second person on the exterior of the crawlspace to help line up the vent.*
- **DO NOT** force or wedge a vent into an opening. This could deform or damage the vent and could result in a malfunction of the vent.
- The front of the vent should be placed  $\frac{3}{4}$ ” of an inch from the outside of the foundation wall.
- To install the vent,
  - Apply several large beads of construction adhesive on the bottom of the rough opening. Insert the vent on top of the adhesive
  - Apply two large beads of adhesive on the top-front (grill side) of the left and right sides of the vent.
  - Secure the vent in place with plastic shims by pushing them through the adhesive on the top of the vent until the shims are snug and in place between the top of the vent and the foundation block opening. In order to secure the grill within the security tabs on the bottom of the vent, the shims **MUST** be positioned over the top-front of the vent where the grill hinge inter-locks with the vent housing.
  - Be sure the security tabs engage the grill by shimming around the vent as necessary.
  - **DO NOT OVER-TIGHTEN SHIMS AROUND THE VENT.**
  - Verify vent is level and straight.
- The vent grill **MUST** be clear of all construction debris, adhesive or other installation materials.
- Use exterior caulk to fill in any cracks or gaps remaining around the vent. *Tip: Select a caulk color that matches the stucco/mortar color to make this vent swap less noticeable.*
- Any opening between the rear of the vent and the foundation block should also be caulked. If using an expanding foam material, be sure not to overfill around the vent because this could cause the vent to be deformed and result in a malfunction of the vent.
- Position the grill between the security tabs. If the grill cannot swing freely, the shims around the vent are too tight and need to be adjusted.