



## Installation of Paddock Evacuator Bench System

Unpack Evacuator and check for shipping damage. If there is damage, immediately notify shipper and contact Paddock Evacuator. Confirm that all parts are with shipment according to Packing List. If any parts are missing or you have any questions or concerns, please call 803-366-3822. Please read complete installation guide before beginning actual installation.

### Evacuator System Installation will include:

1. Evacuator Bench Installation
2. Exhaust Duct Installation
3. Exhaust Fan Installation, if applicable
4. VFD Installation, if applicable
5. System Balance with Existing Mechanical System
6. Owner Training and Project Acceptance Upon Completion

### Contractor Suggested Materials for Evacuator Bench Installation

- |                          |                       |
|--------------------------|-----------------------|
| • Laser Level            | • #3 Phillips Bit     |
| • Levels: Torpedo and 4' | • Caulk Gun           |
| • Measuring Tape         | • Blue Painter's Tape |
| • Hammer Drill           | • Chalk Line          |
| • Cordless/Impact Drill  | • Duct Tape           |
| • 5/16" Masonry Bit      | • Shop-Vac            |
| • 5/16" Drill Bit        | • Extension Cord(s)   |

### Evacuator Bench Installation:

1. Evacuator must be installed according to the PEC Design Drawing.
2. Layout all Evacuator Benches and Evacuator Connection Boxes (if required) according to PEC Design Drawing. Make sure alignment is straight and square with the wall or columns.  
*Do not secure to deck at this point.*
3. Establish exhaust penetration location (wall/roof) according to PEC Design Drawing. Ensure that this location works as designed.
  - a. Keep in mind that there may be minor job site modifications required for final penetration location.
  - b. Final duct design by mechanical contractor.*If connection box is not required, skip to next step.*
4. Remove Evacuator components and place in safe location to prevent damage.
5. Locate base plates at required intervals (see installation drawing) and mark locations on deck.  
*Tip: Create a pattern the length of the Evacuator Bench and mark locations of base plates.*
  - a. (4) base plates per Evacuator Bench (96" length, see PEC Design Drawing for details)
  - b. (2) base plates per Evacuator Connection Box

6. Place base plates at required locations as marked.
7. Set up laser leveling device to determine highest and lowest points of pool deck.
  - a. This step takes time, but is critical to the final product outcome. It requires measuring the distance from the base plate to the laser at each of the base plate locations.  
*Tip: Create a pattern with tick marks to determine thickness and amount of shims required.*
8. Use included PVC shims to level Evacuator Bench base plates, as required.
  - a. Be sure base plates are level from end-to-end of Evacuator Bench System.
  - b. Note slope of deck from wall to pool and level front-to-back as needed.  
*Tip: Use duct tape to temporarily fasten the base plates and shims to the pool deck.*
9. Use included pre-drilled base plates as a guide for marking hole locations.
10. Drill holes through shims (if needed) and pool deck as required for mounting base plate anchors. Use hammer drill and 5/16" masonry bit.
11. Move base plates and shims to use Shop-Vac to remove all dust and debris from hole locations.
12. Insert included plastic anchors in each of the drilled holes in the pool deck, (4) per base plate. Tap into place with a hammer as needed to make anchors flush with pool deck.
13. Place shims and base plates back into required locations, as marked. Be sure to line up holes in base plates and shims with drilled holes in deck/plastic anchors as required for installation.
14. Secure the base plates to the deck using the provided stainless steel installation hardware, (4) #14 x 2" stainless steel screws per base plate. Use cordless/impact drill and #3 phillips bit to secure base plates tightly to pool deck.  
*Tip: Continually check to ensure base plates are level throughout installation process.*
15. Dry fit all Evacuator Benches and Connection Boxes on base plates to assure correct fit and complete system alignment, according to PEC Design Drawing.
  - a. Evacuator Benches and Connection Boxes have a male (right end) and a female (left end) to them, unless it is fit for an End Cap. This design allows for multiple bench systems to be connected together.
  - b. Be sure to place Evacuator Benches with End Caps in the correct location.
  - c. Be sure to place Evacuator Bench(es) with Decal(s) in correct position, per owner's discretion.
  - d. Notate exact locations for all Evacuator components to assure correct alignment during installation process.
16. Position Evacuator Connection Box
  - a. Ensure that the Evacuator Connection Box is level and square to wall.  
*If Evacuator Connection Box exhaust duct port is pre-cut, skip to next step.*
  - b. Find centerline of exhaust duct port and use a compass to outline duct port cut line.
  - c. Use jigsaw (or similar) and fine tooth blade to cut exhaust duct port.
  - d. Fasten duct adaptor to Evacuator Connection Box as required. *Fasteners not included.*
17. Locate and drill (1)  $\pm\frac{1}{2}$ " weep hole for water drainage in Evacuator Connection Boxes.
  - a. Evacuator Connection Box may have a slight slope due to deck slope required by local code. If so, locate lowest point of Evacuator Connection Box using torpedo level.
  - b. Locate center point and drill one (1)  $\pm\frac{1}{2}$ " weep hole approximately 1" from front or rear wall (lowest point depending on deck slope) to allow for water drainage.
  - c. Use counter-sink bit to remove any burrs and allow for better water drainage.
  - d. Repeat this step in each Evacuator Connection Box.

18. Remove Evacuator Benches and Evacuator Connection Boxes from base plates, keeping them in the same order.  
*Use steps 18-21 for Evacuator Benches and Evacuator Connection Boxes alike.*
19. Apply adhesive to the Evacuator base plates, starting at either end.
  - a. (4) base plates per Evacuator Bench; (2) base plates per Evacuator Connection Box.  
*Tip: Keep adhesive away from edges to avoid any adhesive oozing onto pool deck.*
20. Place Evacuator Bench/Connection Box onto base plates, making sure to properly align Evacuator components as required for a properly aligned completed Evacuator Bench System.
21. Secure Evacuator Bench/Connection Box to base plates with (4) ¾" SS Screws on either end.
  - a. After first Evacuator Bench/Connection Box is installed, only open end will be secured.
22. Apply adhesive to next set of base plates and PVC connection plates ('male end'), as required.
23. Repeat steps 19-21 as required to complete securing the Evacuator Benches and Connection Boxes to pool deck.
24. Install Evacuator End Caps.
  - a. End Caps come marked for proper fit, be sure to use correct End Cap when installing.
  - b. Apply a bead of adhesive/sealant to routed edge for air-tight seal of End Cap.
  - c. If necessary, use included SS hardware to secure End Caps in place.
  - d. Wipe any excess adhesive/sealant from edge for a clean, smooth finish.
25. Finish bench installation by applying caulk between bench joints as follows:  
*Tip: Applying caulk from the inside of Evacuator Bench joints will maintain best overall aesthetic appearance of finished product. If applying caulk from inside, step 24a may be skipped. Maintaining a smooth interior caulk finish is ideal for air flow.*
  - a. Using blue painters tape, apply tape to both sides of joint.
  - b. Apply sealant to joints with appropriate tip - attempt to keep joints small and narrow to assure clean finish.
  - c. Smooth sealant joint as required for a clean, smooth finish.  
*Tip: Smooth sealant joint with finger by applying a household cleaner (e.g. Windex) to wet fingertip, which will make joints cleaner and smoother.*
  - d. Wipe any excess sealant from joints for a clean, smooth finish.  
*Tip: A clean, smooth caulk finish is essential to a good looking finished product.*