Installation of Wall-Mount Evacuator® System

Upon arrival, check the delivered package(s) for any noticeable damage. If any damage is present, please immediately contact the shipper and document the damage. Please contact Paddock directly as well so we are aware of any damage. If no damage is present, you may proceed to unpack the Evacuator® System. Confirm that all parts are with shipment according to Packing List. If any parts are missing or you have any questions or concerns, please contact Paddock directly.

Please read complete installation guide before beginning actual installation.

The Evacuator System Installation will include:

1. Evacuator Wall-Mount Installation
2. Exhaust Duct Installation from Evacuator to Exhaust Component
3. Exhaust Fan Installation (if applicable)
4. Mechanical System Test and Balance
5. Owner Training and Project Acceptance Upon Completion

Contractor Suggested Tools and Materials for Evacuator Wall-Mount Installation:

- Measuring Tape
- Level
- Hammer Drill
- Cordless/Impact Drill
- Right-Angle Drill
- Carbide Tip Masonry Bits
- High Speed Steel (HSS) Drill Bits
- Socket Set and/or Wrench Set
- #3 Phillips Bit
- Caulk Gun
- Blue Painter's Tape
- Chalk Line
- Self Leveling Rotary Laser Level
- Shop-Vac
- Extension Cord(s)

*** Please note that field modification to components may be required due to variations with fiberglass construction. Installer is responsible for any and all required work to reach substantial completion. ***

Fiberglass Wall-Mount Installation:

Evacuator System must be installed according to Design Drawing.

1. Place Wall-Mount Evacuator System, along with installation components, on pool deck as it will be mounted according to design documents.
    a. Each standard 72" fiberglass wall-mount section requires a 66" stainless steel wall-mount bracket and aluminum angle for securing wall-mount sections to the wall.
    NOTE: Ensure all pieces are located in the correct order per project drawings. The system will include sections with a left solid end, right solid end, male/female ends, and possibly a double female depending on the final design layout.
2. Establish location of Wall-Mount Evacuator System. Mark locations of left and right sides of the system(s) according to drawings.

3. Establish final desired height or distance above the finished floor (pool deck). Next, locate the top and bottom of the Wall-Mount Evacuator, which may be marked on the wall using a chalk line for a good reference.
4. Once the top and bottom of the Wall-Mount Evacuator are established, the location of the brackets will need to be marked.
    a. The centerline of the stainless steel wall-mount bracket holes are ±3" from the top of the unit. Refer to drawings or bracket for locations of holes.
    b. The centerline of the fasteners for the aluminum angle varies (usually between 1-1/8" & 1-1/4") as these will be fastened using stainless steel self-tapping screws.
    NOTE: The purpose for the aluminum angle is to hold the bottom of the wall-mount system to the wall, where it can be sealed to created the controlled entry plenum.
5. Establish exhaust penetration location according to design drawing and ensure that this location works as designed.
    a. Keep in mind there may be minor job site modifications required for final penetration location.
    NOTE: Be sure to check the exterior (or reverse side) of the penetration location as well to ensure there are no obstructions.
6. After confirming penetration locations, move forward with making wall penetrations as required for the recommended duct size.
    a. Installing contractor to use appropriate method per site conditions and specifications.
7. Install the stainless steel brackets by fastening them to the wall with appropriate hardware. The brackets being installed level is imperative.
    a. The stainless steel brackets come in (2) two pieces per bracket: (1) ¼" X 1" spacer bracket and a (1) 14ga X 3" mounting strip (unless otherwise specified on design drawings).
    b. The spacer strip will be installed between the facility wall and the mounting strip to offset the bracket, giving the fiberglass wall-mount enough room to slide into place.
    NOTE: Installation hardware provided with the Evacuator System may not be appropriate for the existing site conditions. Installing contract to verify what is required and is responsible for providing hardware as required. Hardware may include concrete screws, sleeve anchors, toggle bolts, wedge anchors, etc.
    **Paddock is not liable for any damage for incorrect hardware or installation practices.*
8. Next, the aluminum angle will need to be installed. Double-check the mark from step 4B. If correct, this may be fastened to the wall, with the longer 1-1/2" leg against the wall and the 1" leg on the bottom, closest to the deck.
    NOTE: The intent is to slide the top in the bracket at an angle whereas the bottom of the fiberglass wall-mount will slide over top of the aluminum angle, concealing it on the interior.
9. You may have to cut one, or both, of the brackets in the field due to a wall penetration or some other interference. This may be completed by a side grinder and cutting wheel, or other preferred tool by installing contractor.
10. Once both brackets are installed and any modifications are made, you may place the fiberglass wall-mount sections in place, starting from one end working towards the other end.
11. Once all sections are in place per the drawings, you may fasten the bottom to the aluminum angle using stainless steel, self tapping hardware. It is recommended to drill a small (±1/8") pilot hole in the fiberglass to prevent any cracking or splitting of the gel coat.
12. Finally, time has come to prepare for the final step: caulking with the provided adhesive / sealant.

13. Start with the continuous seam between fiberglass wall-mount Evacuator and wall. This includes the top, sides, and bottom. This will ensure a good, air-tight seal making the Evacuator a controlled entry plenum, as designed and engineered.
14. Finish installation by applying caulk between fiberglass joints as follows:
    a. Using painters tape, apply tape to both sides of joint.
    b. Apply caulk to joints with appropriate tip - attempt to keep caulk joints small and narrow to assure clean finish.
    c. Smooth caulk joint with finger (as/if required).
       NOTE: Applying a household cleaner (e.g. Windex) to wet fingertip will make joints cleaner and smoother.
    d. A clean, smooth caulk finish is essential to a good looking finished product.