

*Keeping Idaho Clean and Green*

Protecting the environment from wash water runoff and complying with governmental storm drain regulations is simple, economical and effective with the installation of the **AVP series of components**. By mounting this system to concrete to configure to your wash area containment is easily achieved. This eliminates the need for expensive concrete construction or reconstruction to build a contained wash area. This system is anchored to an existing concrete pad with concrete bolt anchors and seal with a hi-grade silicon sealer/adhesive. When the RPVACE1 vacuum recovery transfer system is turned on, the wastewater is extracted from the triangular stainless steel tube and travels with the airflow through the tube system and into the separation tank of the vacuum unit. The vacuum unit is equipped with an automatic pump out system, which transfers wash water, with proper authorization, into sanitary sewer or a holding tank. Ideal for auto detail shops, car dealerships, or companies needing to contain an open uncontrolled vehicle wash area.

AVP00	Vac Tube 90° Corner Connector, 14g Stainless Steel
AVP01	Vac Tube Section Connector, 14g Stainless Steel
AVP02	2 Foot Vac Tube Section, 14g Stainless Steel
AVP03	Vac Tube End Cap, 14g Stainless Steel
AVP04	4 Foot Vac Tube Section, 14g Stainless Steel
FB585	5/16" x 1 1/4" Stainless Lag Anchor Bolt
FWS05	5/16" Stainless Washer
FS500	5/16" Lag Shield Cement Inserts
CS550	Titanium Enriched Silicone Sealer / Adhesive, 10oz tube
RPVACE1	Vacuum Transfer System, 115v 20amp
DHV50	50' x 2" vacuum hose

**Featuring:**

- ✓ Up to 10gpm recovery rate when used with the RPVACE1 Vacuum Recovery Transfer system.
- ✓ Installs on concrete pad with fall of not more than 6" from end to end or side to side.
- ✓ Adjust vacuum pick up points easily by adding or removing plugs where needed.
- ✓ High strength, strong enough for tired vehicle drive over.
- ✓ All stainless steel construction, no corrosion.
- ✓ Connect to 1 1/2" or 2" vacuum source hose at corner joint.



## Instructions:

1. First determine the amount of vacuum tubes needed to design your containment area. Example, for a 14' x 20', 4 sided wash area you will need: 16- AVP04 4' vac tube sections, 2- AVP02 2' vac tube sections, 14- AVP01 vac tube section connectors, 4- AVP00 corner vac tube connectors
2. Second determine the amount of anchors needed for installation. For the above wash area you will need 148-FB585 5/16" SS anchors bolts, 148-FS500 cement anchor inserts and 148-FWS05 washers.
3. Third determine the amount of adhesive sealer material you will need. Using the above example, you will need 10 tubes.

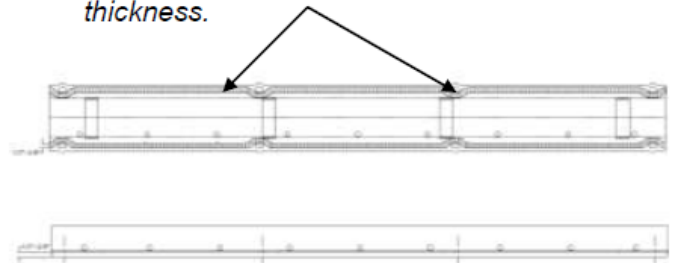
Using the chart at the bottom of this sheet will help you determine pieces required for other pad sizes.

4. Next, you will want to mark the square area that will determine your wash area. Using a chalk line string snap the first line of side one. You will mark each side, as you go so don't get ahead of yourself.
5. Lay the vac tube sections on the ground so the inside edge mounting holes are center on the line. Then using a good marking tool, hold each piece in place and mark the mounting holes. Remove the tubes and using a drill, hammer drill recommended, drill 1/2" dia. holes x 1 1/4" min. depth, for bolt sleeves to be inserted. It is generally easier to do one section at a time. When you are ready to install the tube section you will need to apply the adhesive sealer to it first. Starting at one end apply a bead of adhesive sealer approximately 3/8", 1/2" maximum, thick to the outer flat edge of the part going around the inside edge of the mounting holes. Carefully turn the piece over and set in place. Using the anchor bolts, install the washer on the bolt and insert and tighten in an even pattern. Continue until you have mounted on side in place.
6. At the end of side one you will set in place the corner connector and the first section of side two. Using a square to align your first corner and then using your chalk string line strike a line on the ground for the inside edge of side two. Drill and anchor side two the same way you did side one. Complete the next corner the same as the first corner.
7. Set your corner and continue mounting side three and four just the same.
8. After you have installed the ground mount Hydro Vacuum wash pad system keep it dry and moisture free for at least 24 hours, 48 hours recommended, for the adhesive sealer to completely cure.
9. After the installation has cured, determine where the wash water will run to and puddle against the ground mount system. Then open 6 holes in opposite directions from the center most point of the puddle. Leave all other plugs in place. If the wash area is relatively level then open 3 holes, staggered apart on each side for pick up.
10. Install the vacuum hose from the recovery system to the corner best suited for pick. This will be the lowest point of collection nearest the pick up holes. If the wash area is relatively level the most convenient corner closest to the vacuum recovery transfer station.

## Installation Parts

Part #	Description
FB585	5/16 SS Anchor bolts, 50/box
FWS05	5/16 SS Bolt washer, 50/box
FS500	5/16 Cement insert for bolt, 50/box
CS550	Adhesive sealer 1 tube of sealer will seal 12 linear feet of vacuum tube. 1 for each 10 connectors and 1 for each joiner corners.
AVP02	Requires 6 bolts and sleeves
AVP04	Requires 8 bolts and sleeves
AVP00	Requires 2 bolts and sleeves
AVP03	Requires 1 bolt and sleeves

*Apply adhesive sealer as shown in diagram to all surface contact points at 3/8" to 1/2" thickness.*



*Drill holes in cement 1/2" diameter x 1 1/4" deep*