



## **Vacuum Arch INSTALLATION MANUAL**



**1-800-265-3878**

**TOOLS REQUIRED:**

1. 3" Pipe Cutter (if available)
2. Saw
3. Hammer drill
4. 12" half round file
5. Adjustable crescent wrench
6. Spud wrench
7. Hammer
8. Tape measure
9. Magic marker
10. Wire strippers
11. Wire cutters
12. Miter box (optional)

**GETTING STARTED:**

A drawing of your facility showing the layout of the vacuum system has been included with these instructions. It should be followed as closely as possible, because the type and quantity of fittings included with your system match the layout. Extra 45° and 90° bends have been included in order to clear unforeseen obstructions.

If the PVC pipe has not been laid out, or if it needs to be changed, a good rule of thumb is to have no more than three work stations running off one line. The diameter of the tubing should be changed at this point.

If you have any problems, contact the factory for assistance.

1. Review packing slip against received material to be sure that all need parts are on hand for installation. Contact the office if parts are missing.



2. Set the Vacuum Producer and Filter Units into location as noted on print. Note location of pipe to be connected and adjust filter location to allow for smooth connection of pipe. Filter units must be accessible. Vacuum producers must have room for service and allow for the interconnection to the Filter Unit. Readjust all of the retaining hasps on the separator door to be sure they are tight and remain closed after the initial start up and check all the bottom waste container are sealed before setting your final parameters.



3. Set the Arch Base into designated position. Note that many arches are angled to follow the flow of the vehicular drive pattern. Angled or square must be aligned carefully and consistently. The owner should provide the angle (or square) chalk lines. Hammer drill holes and insert anchor bolts per manufacturer recommendations. Supports must be level. Wedges are one way to level the support.



4. Using a magnetic level, install the interceptors on the mounting brackets, leaving the bolts loose at this time. Install the Arches with two bolts, and align and bolt to the interceptors. Care to install a bead of silicone caulk (Sika-flex) between arch and interceptor.



5. The three inch PVC stub (13" to 16") up should be at the bottom of the access panel on the base post. Coupler has to be installed after the post is in place. Then the full length of pipe is dropped in and glued into the coupler. (If the stub out coming out is 4" a three inch coupler should fit inside to give you a flush setting for your post).



6. Be sure that arches are aligned with chalk line before all bolts are tightened.



7. Once the supports are set, caulk and fill the space around the support bases for a neat looking installation.





8. Install the Claw Holster and the Crevice Tool Holster. One each on each support post. Trim U-bolts of excess threads for a neat looking installation.
9. Final arch with hoses and waste container.

