



INSTALLATION PROCEDURES FOR SMITH/ACO OIL WATER SEPARATORS FIGURE NUMBER 9857

Smith/Aco Polymer Products provides economical and easy to install oil/water separators which eliminate expensive and time consuming form work. By following the installation techniques outlined below you can achieve a fast, efficient installation.

The utmost care must be taken to load/unload, transport and install the Smith/Aco Polymer Products concrete oil/water separator. Cloth slings, spreader bars and good rigging methods are required for installation. A forklift may be utilized for loading and unloading the separator.

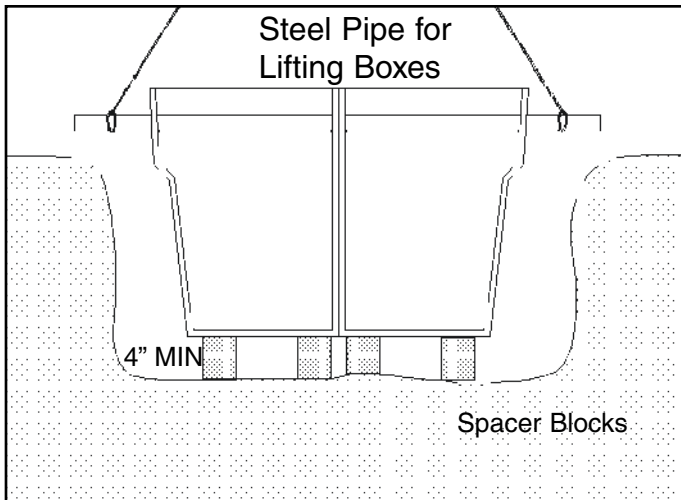
An excavation must be provided that will insure a minimum of four inches of bedding concrete on all sides of the Smith/Aco oil separator. A suggested method of installation is to set five 4" or 6" concrete blocks in the excavated hole, and place the oil separator box on top of these blocks. The blocks should be set at each corner and in the middle. The tops of these blocks should be set level. One to two feet of flowable, high slump, small aggregate concrete should be poured under and around the box. Be sure that the box has at least one to two feet of water in it.

Another method that can be used is to install rebar into the base concrete (2 per side) to tie slab footing into base for extra strength.

The cover plates must be in place when final slab is poured around boxes. Seal the edge of cover plates and boxes with tape to prevent concrete seepage into boxes. Concrete should be finished flush with top of cover plate. Do not "bump" or recess for vehicles to drive over.

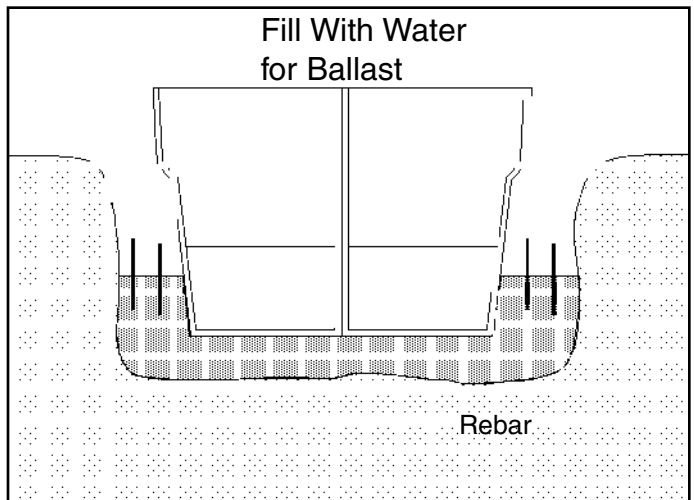
It is important to pour the concrete evenly on all sides of the oil/water separator from the bottom up.

Proper installation will insure a lifetime of efficient oil/water separator service. If you have any questions, please call your Jay R. Smith/Aco representative.



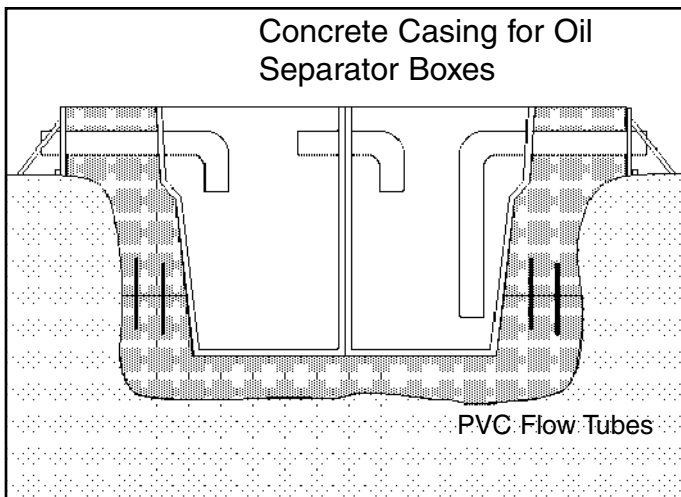
1. Setting Boxes Into Excavation

- Excavation must provide a minimum of 4" clearance all around the boxes when they are set in place.
- Use extra care when unloading, transporting and lifting the boxes into place.
- Strap or glue the boxes together at mating surfaces to prevent misalignment during concrete pours.



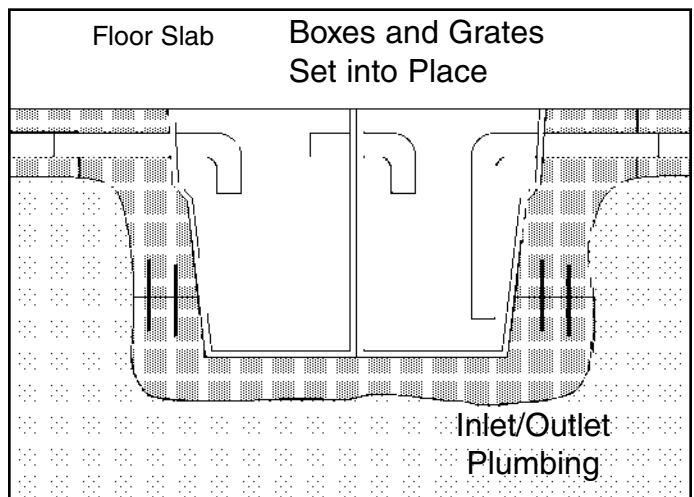
2. Initial Base Concrete Pour and Box Alignment

- Fill boxes with approximately 24" of water for ballast to hold position and avoid floating during concrete pour.
- Use flowable, high slump mixture of fine aggregate concrete for base pour.
- Set sections of rebar into base pour to provide secure joint between the two slab sections.



3. Final Concrete Pour and PVC Tube Installation

- Set cover plates in place on boxes before pouring final concrete level to provide support against weight of concrete.
- Finish concrete level with top of boxes. Slab and top of oil separator boxes must be flush.
- Set PVC tubes into place and seal if necessary.



4. Floor Slab and Plumbing Connection

- Finish installation with floor slabs and expansion slots.
- Join and seal PVC plumbing to oil separator box tubes and locate in correct position.