



Example Vacuum System Diagram and Installation Guidelines

1. Determine where you will locate your Vacuum Manifold. It is recommended that you place the manifold as close to the operator as possible, so that the gauge is easily readable, and the control valve is convenient to use. The manifold provides multiple mounting options to allow you as much flexibility in location as possible. You may want to fabricate a bracket to facilitate mounting in the most advantageous position.
2. Determine whether or not you will use both the pump-supplied small filter/gauge and the 8" high capacity filter
 - There is no need to use both, but you must have at least one filter in the system to preserve your pump warranty. If only using one filter, we strongly recommend the use of the 8" filter.
 - If using both filters, install the small filter/gauge directly onto the pump stem. This unit has a rubber gasket built into the fitting, so no tape is required on this connection. **All other threaded connections should be wrapped with Teflon tape to insure the best possible seal!** Next, install the threaded reducer bushing included in the kit onto the side fitting of the small filter. Now, install a 3/8" hose barb fitting into the bushing.
3. Install the 1/2"-3/8" hose transition onto the outlet (top) of the large filter and secure with a nylon tie. Install a 3/8" hose barb fitting in the inlet (side) port of the large filter, using tape to seal the threads.
4. Install the gauge, control valve, and appropriate hose barb fittings into the manifold body using tape on all threads.
5. If using both filters, determine the location of the large filter. Orientation of the large filter is not critical, but vertical is probably best. Cut hose appropriately – leave a little room for movement and easy bends. If using only the large filter, install the 1/4" female threaded hose barb fitting directly onto the pump stem – use tape on this connection.
6. Before cutting the tubing, carefully determine the final location of all components of the system. Use just enough hose to connect the manifold to the Vacuum Adapter to allow free movement of the adapter and a small loop of hose to hang from the elbow fitting. Install the elbow fitting onto the adapter, using tape and appropriate wrenches. Secure the hose connections with nylon ties.
7. Use the remaining hose from the large filter outlet to the pump filter inlet or pump stem fitting. Secure all the hose connections with nylon ties.