

Setting up your vacuum pump

Safety warnings

Assume that all the usual safety warnings have been given here and read on.

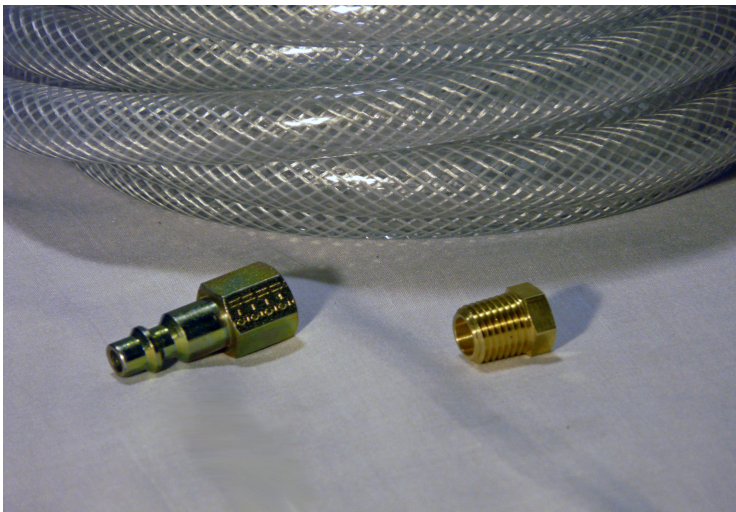
Installing the filter and vacuum gauge

The filter **MUST** be installed at the input port to the pump. Use about 5" of Teflon tape, then screw the filter on the pump. This fitting uses a rubber seal so it will have some give to it even when properly tightened.

Do not run the pump without the filter attached.



Plumbing your vacuum system



The fitting on the input side of the filter is a 1/8" pipe thread fitting. You will likely need a 1/4" MIP to 1/8" FIP adapter which can be found in the plumbing section of any reasonable hardware store. Use about 5" of Teflon tape when installing the fitting.

Then you can use either a standard 1/4" female air connector or a 1/4" female to 3/8" hose barb connector.

For flexible hose I recommend 5/8" OD, 3/8" ID, braided vinyl tubing which is also available in the plumbing section of the hardware store. Anything more

flexible or thinner walled tends to collapse in use. Use of a small hose clamp is probably a good idea. I've found use of the standard air connector with a hose clamp to be as effective as a barbed connector and it is easier to find.

Some additional thoughts

The pump has a built-in bleed valve although you probably will want to install a valve closer to your work. Also, if you would like to relocate the gauge, you can remove it from the filter and seal the opening with a 1/8" NPT plug.