



Venturi with hose. Allows tester to stand 20 ft away from test tank

1. 1080-L Venturi Vacuum Pump
2. 1/2 threaded nipple and 1/2 x 3/4 adapter
3. 3/4 ball valve
4. 3/4 x 3/4 connector
5. 3/4 barbed fitting-clamped
6. 3/4 reinforced hose 20 ft.
7. 3/4 barbed fitting clamped
8. 3/4 female cam-lock



1080L Venturi Vacuum Pump with quick connect Option

1. Muffler
2. Quick connect to air supply- match to your system
3. On/Off air supply
4. Ball valve 1/2 x 1/2
5. Quick connect to vacuum plate- match to your system



My gauge kit is home made, but effective. Two of the gauges read vacuum from 0-15 inches Hg. The other reads from 0-10. One verifies the others. I can disconnect the 0-10 gauge for elevated pressures.



Gauges with a large face are easy to read. This one reads vacuum pressures from 0-10 inches Hg. It is easy to read small increments, like 5.1 inches Hg.

Gauges must be held in a vertical position to read accurately



On the back and side of each gauge are two openings. One marked Low pressure and one marked "High pressure" Select which Low Pressure opening you are using, seal the other one with the provided plugs. Leave either one or both "High Pressure" Ports unplugged.





I have plumbed the top of the plate to receive the Cam-lock fitting on the end of the twenty foot hose. At top is a quick connect which I connect to my gauges by a 25 ft air hose. I stand away from tanks that are being tested at high pressures. Testing at 4 inches Hg for water tightness is not usually a danger, but I have imploded concrete tanks at 10 inches Hg. Mid-seam concrete tanks usually stand 13 inches Hg. top-seam tanks break at 8-10



Inside my gauge kit I have plumbed the three gauges in series. By turning a valve, I can remove the 0-10 gauge from the series.

Note the plugs that seal the extra "Low Pressure" port. It does not matter if you close one of the "High Pressure" ports or not. Do not seal both "High Pressure" ports.



Directions for cutting the holes and using the mounting rings are included with each gauge.

Piping, valves and fittings are not included, but are standard items at any hardware store.

The wood is 3/4 oak veneer plywood.