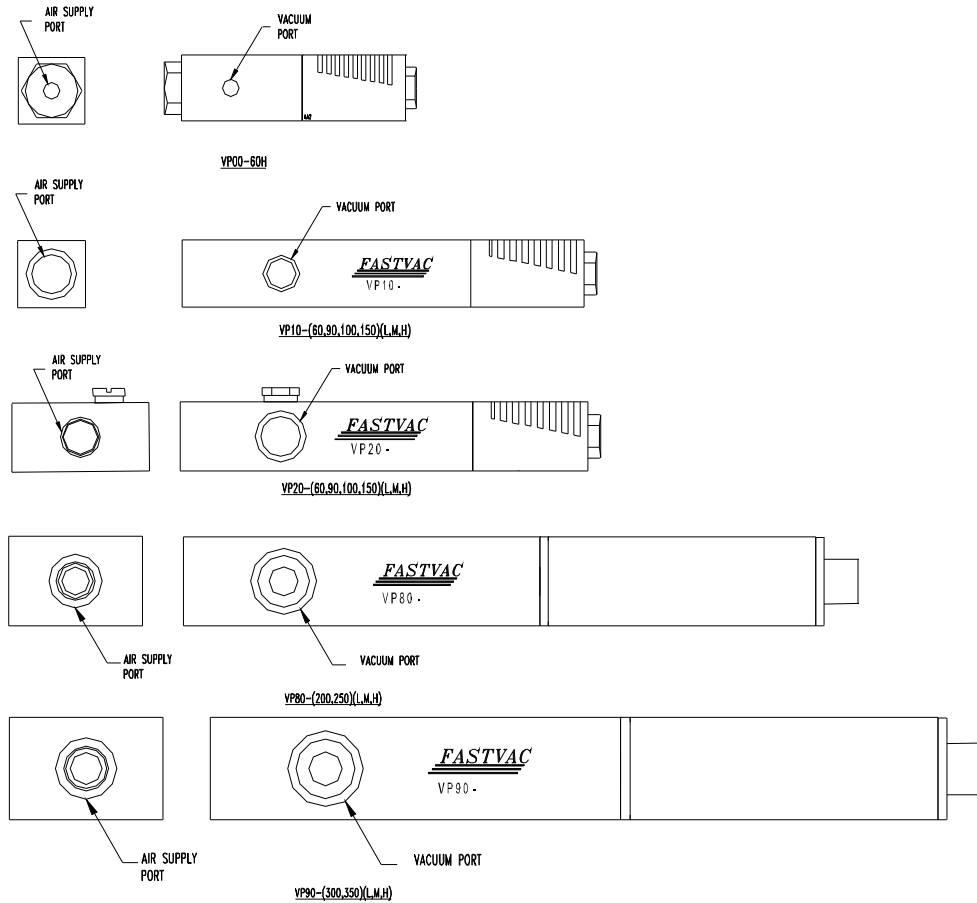


Operating Instructions for VP00, 10, 20, 80 and 90 Series Venturi Vacuum Pumps



Silencer option on pump may vary.

How it works:

Vacuum is produced by forcing compressed air through a limiting orifice (nozzle). As the air exits the orifice it expands, increasing in velocity to supersonic speed before entering the venturi section (diffuser). This creates a vacuum at the vacuum inlet port located between the nozzle and diffuser.

Installation:

Step 1: Mount pump. VP00 and VP10 model pumps have two mounting holes that accept 4-40 (M3) screws. VP20, VP80, and VP90 pumps have three mounting holes that accept 10-32 (M5) screws (screws not supplied).

Step 2: Attach airline to air supply port. Attach vacuum line to vacuum port (when not directly attaching cup to vacuum port). See chart below for minimum recommended line sizes.

Step 3: Turn on compressed air and regulate to specified pressure (80 PSI standard, -60 models 60 PSI. Set regulator while pump is operating). Pump will generate vacuum.

| Model No. | Supply Port Threads | Recommended Air Supply Line | Vacuum Port Threads | Recommended Vacuum Line |
|------------------------------|----------------------------|------------------------------------|----------------------------|--------------------------------|
| VP00-60H | 10-32 UNC Female | 1/4" | 10-32 UNC Female | 1/4" |
| VP10-(60,90)(L,M,H) Series | 1/4"NPT | 1/4" | 1/8 NPT | 1/4" |
| VP10-(100,150)(L,M,H) Series | 1/4"NPT | 3/8" | 1/8 NPT | 3/8" |
| VP20-(60,90)(L,M,H) Series | 1/4"NPT | 1/4" | 1/4"NPT | 1/4" |
| VP20-(100,150)(L,M,H) Series | 1/4"NPT | 3/8" | 1/4"NPT | 3/8" |
| VP80-200(L,M,H) Series | 1/4"NPT | 3/8" | 3/8"NPT | 3/8" |
| VP80-250(L,M,H) Series | 1/4"NPT | 3/8" | 3/8"NPT | 1/2" |
| VP90-300(L,M,H) Series | 3/8"NPT | 1/2" | 1/2"NPT | 5/8" |
| VP90-350(L,M,H) Series | 3/8"NPT | 1/2" | 1/2"NPT | 3/4" |

Tubing size based on 0.062 wall polyethylene and polyurethane tubing.

Note: Vaccon discourages the use of quick disconnect fittings on all connections.