

QPV1 Electronic Pressure Regulator

INSTALLATION AND MAINTENANCE INSTRUCTIONS - ADDENDUM FOR ABSOLUTE PRESSURE MODEL

INSTALLING ABSOLUTE PRESSURE UNITS

1. Apply a small amount of the provided anaerobic sealant to the male threads of the FPP1 in-line filter shipped with the QPV unit. **NOTE:** Use only the thread sealant provided. Other sealants such as PTFE tape and pipe dope can migrate into the internal solenoid valves causing blockages and failures.
2. Thread the FPP1 in-line filter into the Inlet Port labeled **IN** (on 'T' style) or **I** (on 'M' style) QPV1 valve.
3. In typical applications leave Inlet Port open to atmosphere. This allows the QPV to add atmospheric air to the system when excess vacuum is present. If the calibrated control range is above atmospheric pressure, then a positive supply pressure that exceeds the desired control pressure must be applied to the FPP1 on the Inlet Port.
4. Connect the process where absolute pressure is to be controlled to the Outlet Port labeled **OUT** (on 'T' style) or **O** (on 'M' style) QPV1 valve.
5. Connect vacuum supply to the brass "Tee" in the QPV Exhaust Port. (See Figure 1)
6. Absolute pressure units generally operate where 0% command provides absolute zero pressure.
7. Proceed with electrical connections discussed on page 3 of the QPV1 Pressure Regulator Installation & Maintenance Instructions included with the order.

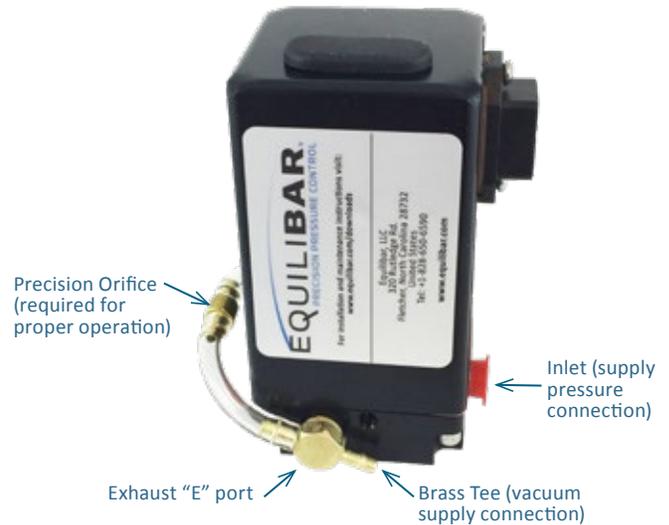


Figure 1 "M" Style QPV with absolute pressure installation configuration - side view

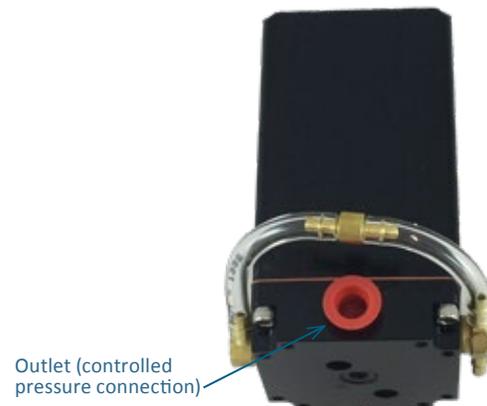


Figure 2 "M" Style QPV with absolute pressure installation configuration - back view

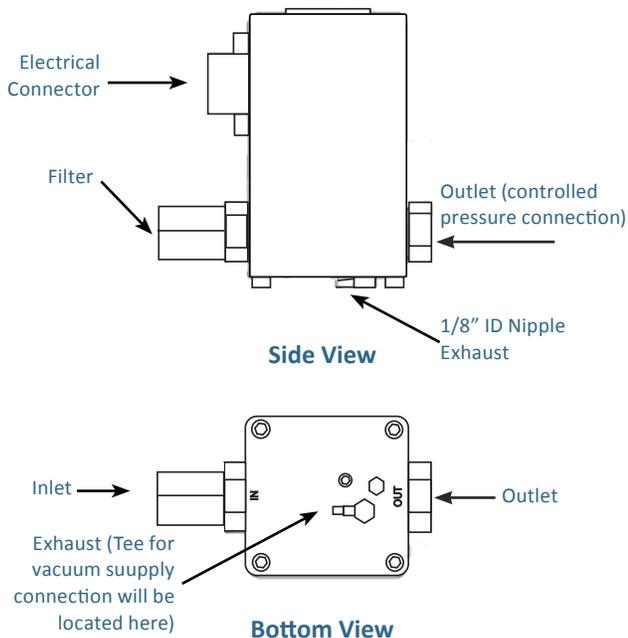


Figure 4: 'T' Style Installation

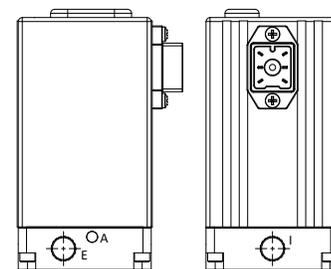


Figure 3 Port locations on 'M' Style Vacuum Unit
I = Inlet, A = atmospheric reference, and E = Exhaust