



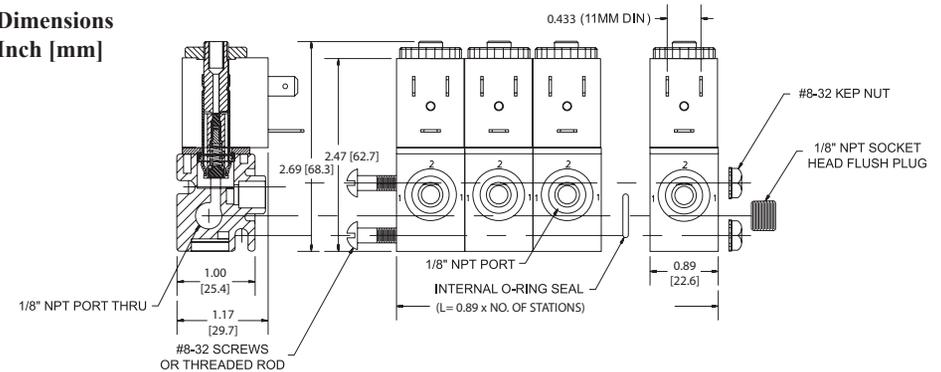
Caution

Excessive use of pipe sealant can cause clogging and leakage. Please follow ASME standards for applying pipe sealant and tape. Do not use media, voltage or pressures other than that listed in specifications as valve malfunction could result. Misuse or misapplication of NITRA solenoid valves could cause serious bodily injury or property damage.

Assembly

The Series DVP2C & 3C manifolds are comprised of multiple single station units. The units are assembled by placing an o-ring seal between the body blocks in the aperture provided and linked together using #8-32 bolts or threaded rod.

Dimensions Inch [mm]



The pressure inlets are located on either end of the manifold assembly with the cylinder port (2) located on the lower block face. On 3-2 way versions the exhaust port R (3) is located on the stem of the valve.

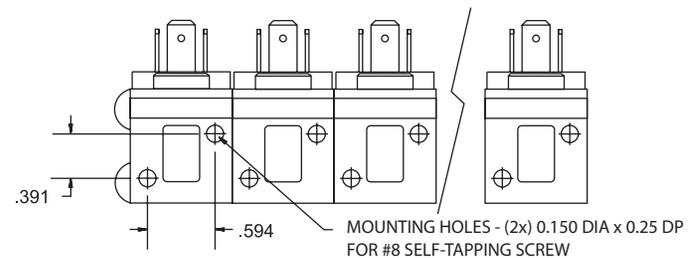
Six station manifolds or less require one inlet port. It would be necessary to block the unused inlet with an 1/8" NPT pipe plug.

For manifolds containing more than six stations, 2 inlets are suggested.

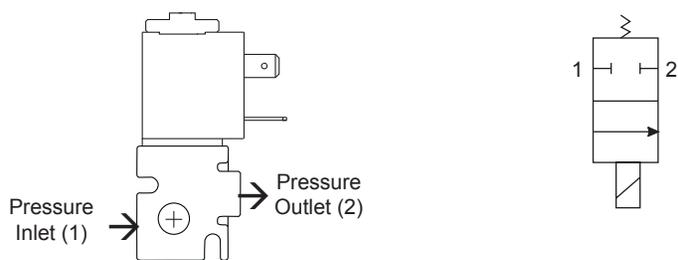
NOTE: For best results, grease ALL o-rings prior to assembly (Dow Corning Silicone 111 grease or equivalent)

Mounting Kits for multiple station assemblies are available from AutomationDirect.com.

Mounting Template



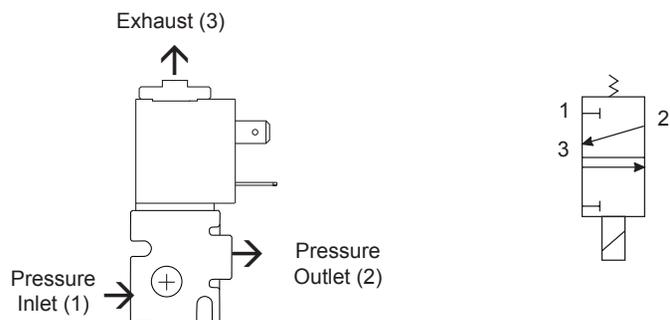
Two-Way, Two Position, Normally Closed



Position 1) Coil De-energized. Pressure inlet port (1) is closed to outlet port (2).

Position 2) Coil Energized. Pressure inlet port (1) is open to outlet port (2).

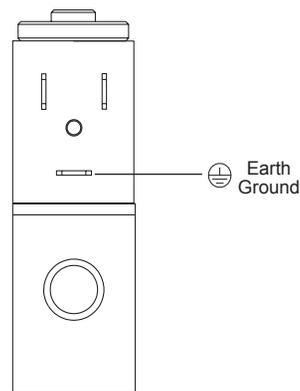
Three-Way, Two Position, Normally Closed



Position 1) Coil De-energized. Pressure inlet port (1) is closed to outlet port (2). Port (2) is open to exhaust port (3).

Position 2) Coil Energized. Pressure port (1) is open to outlet port (2). Exhaust port (3) closed.

Electrical Hook-up



11 mm DIN Connector

Power leads connected to vertical pins on all versions. Not polarity sensitive.

Earth Ground

Warning! Plastic pipe threads.

Overtightening of fittings may result in premature part failure.

Plastic molded pipe fittings should be used whenever possible. If metal fittings are used do not exceed a maximum of 45 in. lbs. of applied torque, or finger tighten and turn 2 1/2 turns with a conventional box end wrench.