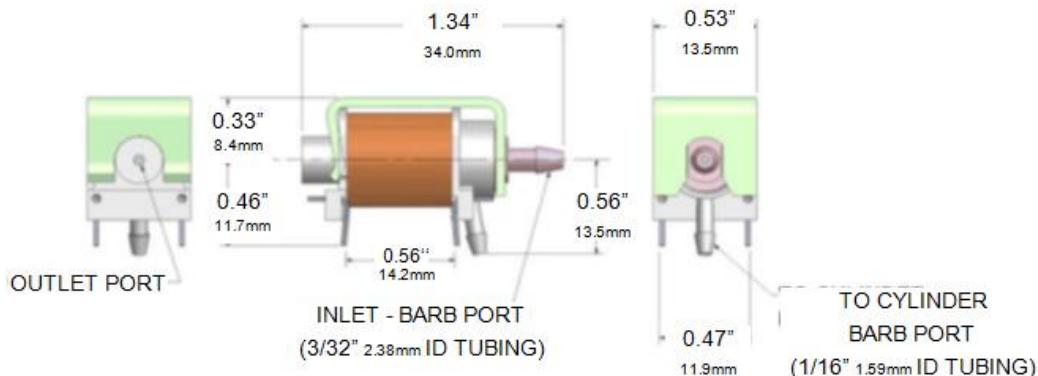


CUSTOM SOLENOIDS & ACTUATORS

 Kendrion Mishawaka
 Small Pneumatic Valve

The Small Pneumatic Valve (SPV) was designed to work with compressed gas. It was optimized to work with a 9V battery and Pulse Width Modulation (PWM). The PWM signal allowed the valve size to be reduced and in turn reduced the cost of the valve. The Small Pneumatic Valve can be directly mounted to a Printed Circuit Board (PCB).



Technical Specification

| | |
|----------------------|--|
| Solenoid Valve Type | 2, 3, or 4-Way ported Circuit board mount Continuous duty Media: gaseous |
| Pressure | Operating: 150 psi (10.3 bar) Burst: 400 psi (27.6 bar) |
| Flow | Inlet to Cyl: 20 slpm (0.71 cfm) @ 30psi (2.1 bar) (Cv = 0.04) Cyl to Outlet: 30 slpm (1.06 cfm) @ 30 psi (2.1 bar) (Cv = 0.05) |
| Leakage | 0.001 cc/sec |
| Voltage | 5V DC Alternate low voltage options available |
| Coil Resistance | 3.5 Ω (3.5 Watts average power with PWM driver circuit) |
| Response Time | 3 ms |
| Materials and Finish | Frame, Armature, Polepiece – Carbon steel, zinc plated Bobbin – Glass reinforced 6-6 Nylon |