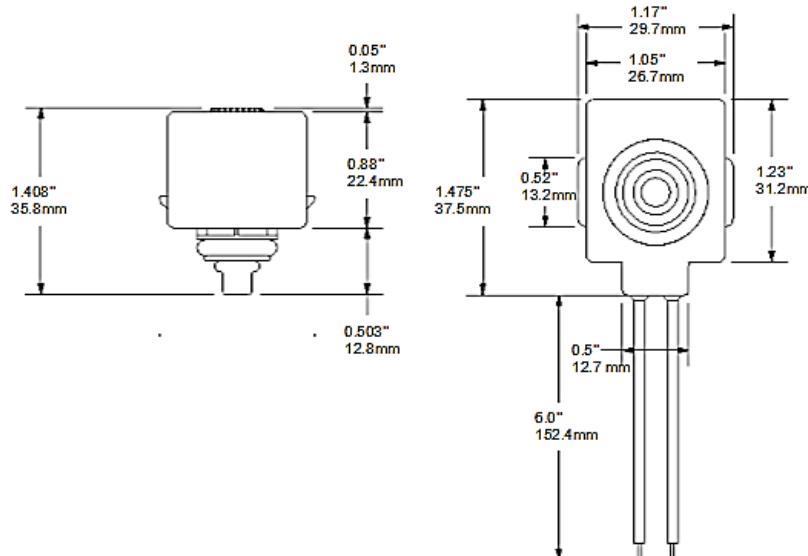


CUSTOM SOLENOIDS & ACTUATORS

 Kendrion Mishawaka
 Vacuum Isolation Valve

The Vacuum Isolation Valve (VIV) was designed with dosage control and fluid isolation in mind. A diaphragm with a special support washer was used for this vacuum application to isolate the metal components from the controlled fluid. The Vacuum Isolation Valve was designed to snap into place without the need for additional fasteners. The Valve was designed for use with Pulse Width Modulation (PWM) to keep the overall size of the system to a minimum. The PWM also allowed for improved battery operation. It is capable of 100,000 cycles on 2 AA batteries typical.



Technical Specification

Operating Pressure	0-350 In./H ₂ O Vacuum
Flow	0.01cfm
Voltage	5 – VDC Operation
Response Time	10 ms
Power Consumption	Per Customer Specification
Applications / Comments	Manifold Mount Applications Chemical Dispensing Isolated Flow Operates for years on 2D cell batteries