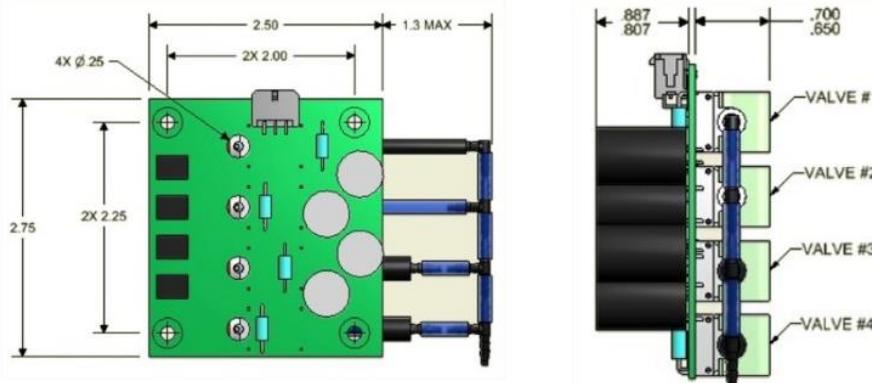


CUSTOM SOLENOIDS & ACTUATORS

Kendrion Mishawaka

Pneumatic Valve Board

Kendrion has developed one solenoid solution after another in the beverage dispenser industry. In this application, we married a three-way valve to a circuit board to create a complete solenoid assembly called "Pneumatic Valve Board (PVB)". It's a mechatronic assembly with a series of valves that are stuck together to give different outputs. The pressure is 120 psi with a response time of three milliseconds and a power consumption of 16 Watts per coil. The solenoid valves are directly attached to the printed circuit board allowing the customer to directly implement the system to the assembly without separate controls. Kendrion is delivering the whole assembly and made it work with more efficient results



Technical Specification

Solenoid Valve Type	3-Way valve
Media	Air
Pressure	120 psi
Orifice	0.040"
Flow	3 CFM @ 40 psi
Voltage	12V DC
Response Time	3 ms
Materials and Finish	6/12 Nylon / 12L14 steel
Package Size (H/D/W)	2.2"/2.5"/2.9"
Cycle Life	1 Mio + cycles
Power Consumption	16W / Coil
Applications / Comments	Beverage