

M3V Series Solenoid Valves



Technical Data

Engineering Specifications

Model	M3V110-06 M3V120-06	M3V210-06 M3V220-06	M3V210-08 M3V220-08	M3V310-08 M3V320-08	M3V310-10 M3V320-10
Fluid	Air (Clean/Dry)				
Actuation	Internally Piloted				
Type	3 Port - 2 Position				
Flow	Cv 0.67	Cv 0.78	Cv 0.89	Cv 1.39	Cv 1.67
Port Size	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT	3/8 NPT
Lubrication	Not Required				
Pressure Range	22 to 116 PSI (0.15 to 0.8 MPa)				
Proof Pressure	215 PSI (1.5 MPa)				
Temperature Range	-4 °F to 158 °F (-20 °C to 70 °C) [Explosion Proof -4 °F to 140 °F (-20 °C to 60 °C)]				
Max. Frequency	5 cycle/sec				
Electrical Connection	DIN / LED Connector or Flying Leads or Explosion Proof Coil Conduit Entry				
Voltage Range	AC: ±15% DC: ±10%				
Power Consumption ¹	AC: 2.5VA / DC: 2.5W AC: 3.5VA / DC: 3.0W				
Protection	IP65 (DIN40050)				
Insulation	Class B				
Max. Response Time	50ms				
Material	Aluminum Alloy Body				
Connector/Coil ¹	9.4mm DIN, Industrial Form C 11mm DIN Connector, Industrial Form B				

¹ See page 24 for explosion proof specifications. AC/DC coils cannot be interchanged.

Note: Manifold (shown on page 15) not compatible with Explosion Proof coils