



M-DVP High Flow Proportional Control Valves



Clippard's newest M-DVP series proportional solenoid valves are precision-built 2/2 control valves, utilizing a unique, patented valving principle. This powerful series was designed as the next generation of the well-known and trusted original M-EV line of Clippard "Mouse" valves. With a life of over a billion cycles, a solid, compact design, and extremely high flow rates, these valves are suitable for many applications across numerous industries.

The M-DVP series valve provides air or gas flow control, and varies the output flow based on the current input to the solenoid. The consistent gain (see chart) of this valve provides a high degree of control.

Controllability and overall value are the main features of the M-DVP series. The valve may be controlled using DC current, open or closed-loop control, and even PWM (Pulse Width Modulation) to cover a large range of applications

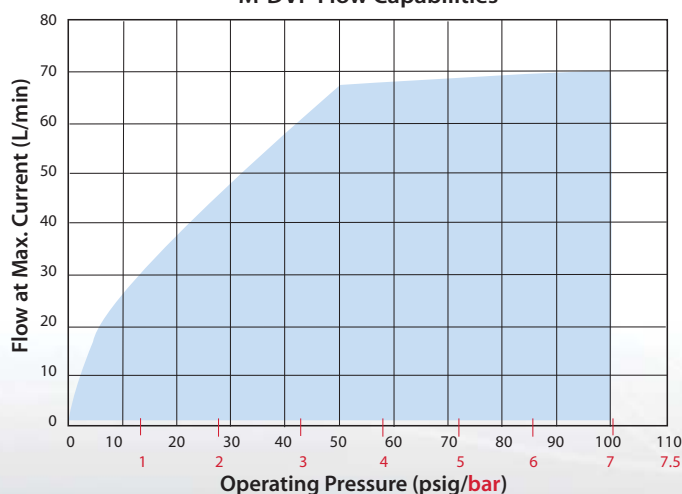
SPECIFICATIONS

Valve Type	2/2 Proportional
Medium	Air & Compatible Gases (40 micron filter)
Pressure Range	Vac* to 7 bar
Max. Hysteresis	10% of full current
Max. Flow Tolerance	+10% / -0%
Power Consumption	1.9 watts at 22°C, 2.5 watts max
Temperature Range	0 to 50°C
Voltage	10 or 20 VDC
Mounting	Manifold, M5x0.8
Seal Material	FKM standard, Nitrile, EPDM, and Silicone optional
Wetted Materials	Stainless Steel, PPS
Certifications	CE, RoHS, REACH

* Vacuum applications are reverse flow

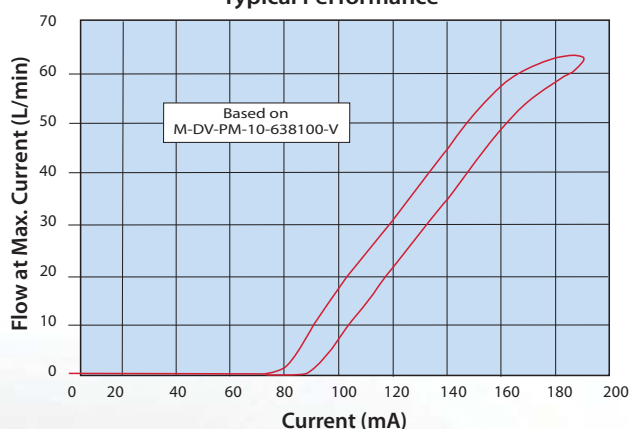
- Industry standard for leak-free operation
- Over 1,000,000,000 cycles
- Extremely low hysteresis
- Fast response time
- Large flows in small, sleek design
- Low heat rise/low power
- Robust stainless steel "Spider" flat armature spring

M-DVP Flow Capabilities



* Call for custom flow and pressure configurations

Typical Performance



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