

DVP SERIES HIGH FLOW VALVES

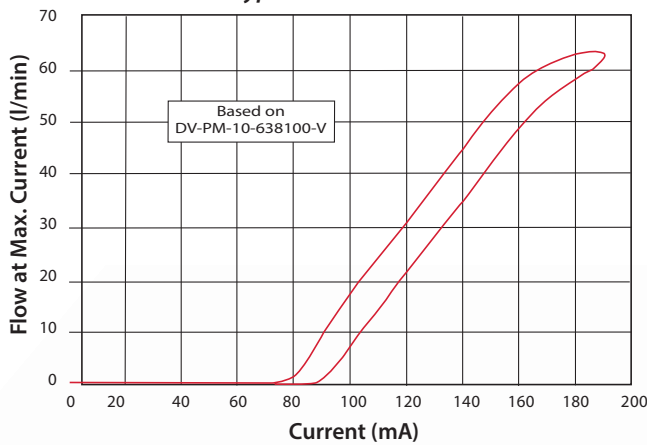
2-WAY PROPORTIONAL VALVES, MANIFOLD MOUNT



Clippard’s DVP series proportional solenoid valves are precision-built 2-Way control valves. This powerful series was designed as the next generation of the well-known and trusted original 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.

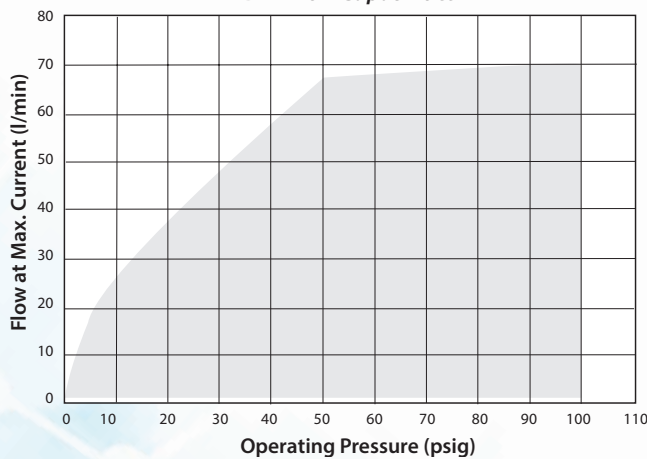
Controllability and overall value are the main features of the DVP series. The DVP valve provides air or gas flow control and varies the output flow based on the current input to the solenoid. The valve’s consistent gain (see chart) provides a high degree of control. It may be controlled using DC current, open or closed-loop control, and even pulse width modulation (PWM) to cover a large range of applications.

Typical Performance



- 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

DVP Flow Capabilities



Valve Type	2-Way, Proportional
Medium	Air or compatible gases (40 micron filter)
Pressure Range	Vac* to 100 psig
Max. Hysteresis	10% of full current
Max. Flow Tolerance	+10% / -0%
Power Consumption	1.9 watts at 72°F, 2.5 watts max.
Temperature Range	32 to 120°F
Voltage	10 or 20 VDC
Mounting	Manifold, #10-32 male stud
Seal Material	FKM standard Nitrile, EPDM, and silicone available
Wetted Materials	Stainless steel, PPS
Certifications	CE, RoHS, REACH
More Details	clippard.com/link/dvp

For custom flow and pressure configurations, call 877-245-6247



*Vacuum applications are reverse flow

DVP SERIES VALVES & MANIFOLDS

MANIFOLDS & ADDITIONAL INFORMATION

In selecting your valve, reference the **DVP Flow Chart** (opposite, p. 58) and list your nominal operating pressure in a 3-digit format (065 = 65 psig). Next, specify your desired max. flow rate for your pressure (500 = 50.0 l/min). Accurately specify your nominal operating pressure and flow to assure the best performance and resolution for your application. For nominal operating pressure under 5 psig, use a 005 designator for pressure. For vacuum applications use the positive pressure equivalent and reverse the ports.

Although the valves are listed by voltage, their flow is proportional to the current. It is crucial to specify and use a calibrated valve that matches your application. To assure you have optimal performance, be sure to use a valve set to your operating pressure. Proportional flow is achieved by varying the current input to the valve.

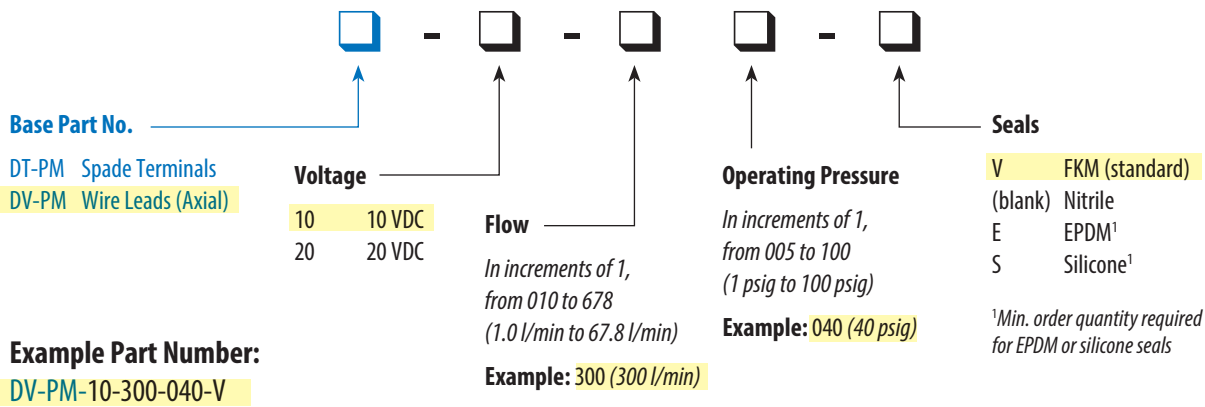
For more details, visit clippard.com/link/dvp



PROPORTIONAL VALVES

Nominal Voltage Range @ 72° F	Input Current Range	Coil Resistance @ 72° F	Max. Voltage Required
0 to 10 VDC	0 to 0.190 amps	52.6 ohms	13 VDC
0 to 20 VDC	0 to 0.095 amps	210.5 ohms	26 VDC

ORDERING INFORMATION



DVP valves are equipped with a bottom stud, 5/32" long with #10-32 thread, which fits Clippard standard and special manifolds, accessory valves and subplates. Spanner holes in the valve body permit tightening.

Call 877-245-6247 to discuss non-standard voltages and other options.

SINGLE-STATION MANIFOLDS

Material ENP Brass
 Other materials also available, call 877-245-6247.

Part No.	Description
15490-5	Single-Station Manifold



MULTI-STATION MANIFOLDS

Material Black anodized aluminum
Ports 1/8" NPT

Part No.	Description
15781-2	2-Station Manifold
15781-4	4-Station Manifold
15781-6	6-Station Manifold

