# **GENERAL PURPOSE**

# M Series – Subminiature

- MOPD: 100 PSI (6.9 Bar)
- C<sub>v</sub> Range: 0.018 to 0.070 (K<sub>v</sub> Range: 0.017 to 0.032)
- As Low as 0.5 Watts

The M Series implements efficient power conservation in a solenoid valve that is specifically designed for sub-miniature two- and three-way pneumatic and select liquid applications. Field proven to exceed performance requirements in battery-powered applications, the M Series can be designed for extreme low wattage conditions. With a compact size, consistent high-speed response time, and reliable operation over 200 million cycles, the M Series delivers extended performance and precision flow control in a small lightweight environment.

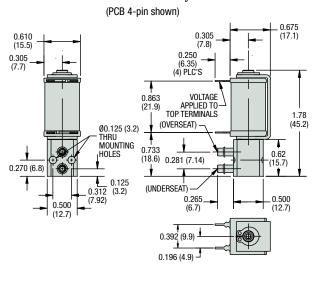
## **Typical Applications**

Ideal for inline PC interfacing and manifold assemblies:

- Medical and Therapeutic Healthcare
- Clinical Chemistry and Analysis Equipment
- Drop-on-Demand Printing
- Environmental Instrumentation

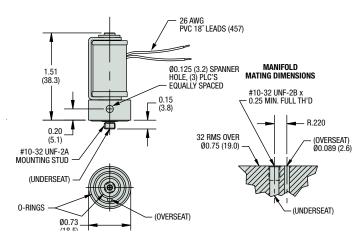
### Dimensions

### Barbed Port Body



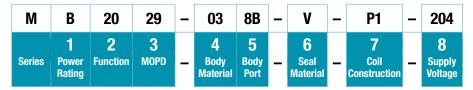


Manifold Mount Body (Lead wires shown)



### How To Order

Valve Part Numbers are built from a series product codes. Use the **Bold** product codes from the choices listed on the following page to construct a complete Part Number.



#### **Product Description from Example Shown Above:**

### MB2029-038B-V-P1-204

MB2029 = M Series with 1 Watt Power Rating, 2-Way Normally Closed Valve Function; 50 MOPD

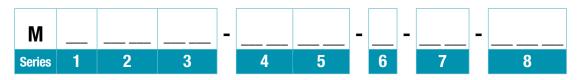
-038B = Brass Body Material; 1/8" Barb Body Port

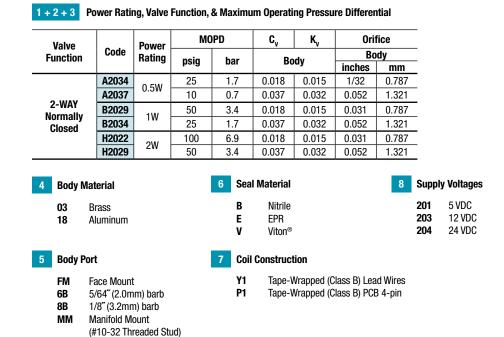
- -V = Viton<sup>®</sup> Seal Material
- -P1 = Tape-Wrapped (Class B) PCB 4-pin Coil Construction
- -204 = 24 VDC Supply Voltage



# M Series – Part Number Build

Build a Valve Part Number by filling in the boxes below using the related code numbers on this page.





# M Series – Additional Component Details & Dimensions

2 Valve Function Flow Schematic		xed Flow $O/S = Over Seat$ Flow $U/S = Under Seat$
Valve Type	De-Energized	Energized
2-Way Normally Closed	OUT IN	OUT IN