

16 Directional Control Valves – M-MJV/M-MJVO G1/8 Stem & Cartridge Valves

M-MJV/M-MJVO Stem & Cartridge Valves

These are high flow G1/8 ported 2/2, 3/2 and 5/2 valves that change their flow path when the stem is either depressed or released (spring return). The 2/2 and 3/2 valves are offered in both Normally-Closed (not passing) or Normally-Open (passing) versions. The 5/2 valves are typically used to control a double acting air cylinder. On pages 39 through 61 we offer a wide range of pneumatic and mechanical valve actuators that work with all Clippard stem valves.

Medium:
Air, water, oil, or other compatible fluids

Input Pressure:
M-MJVO-2, M-MJVO-3: 10 bar max.;
M-MJV-2, M-MJV-3, M-MJVO-3: 21 bar max.

Stem Travel:
3.2 mm; (M-MJV-4: 4.8 mm)

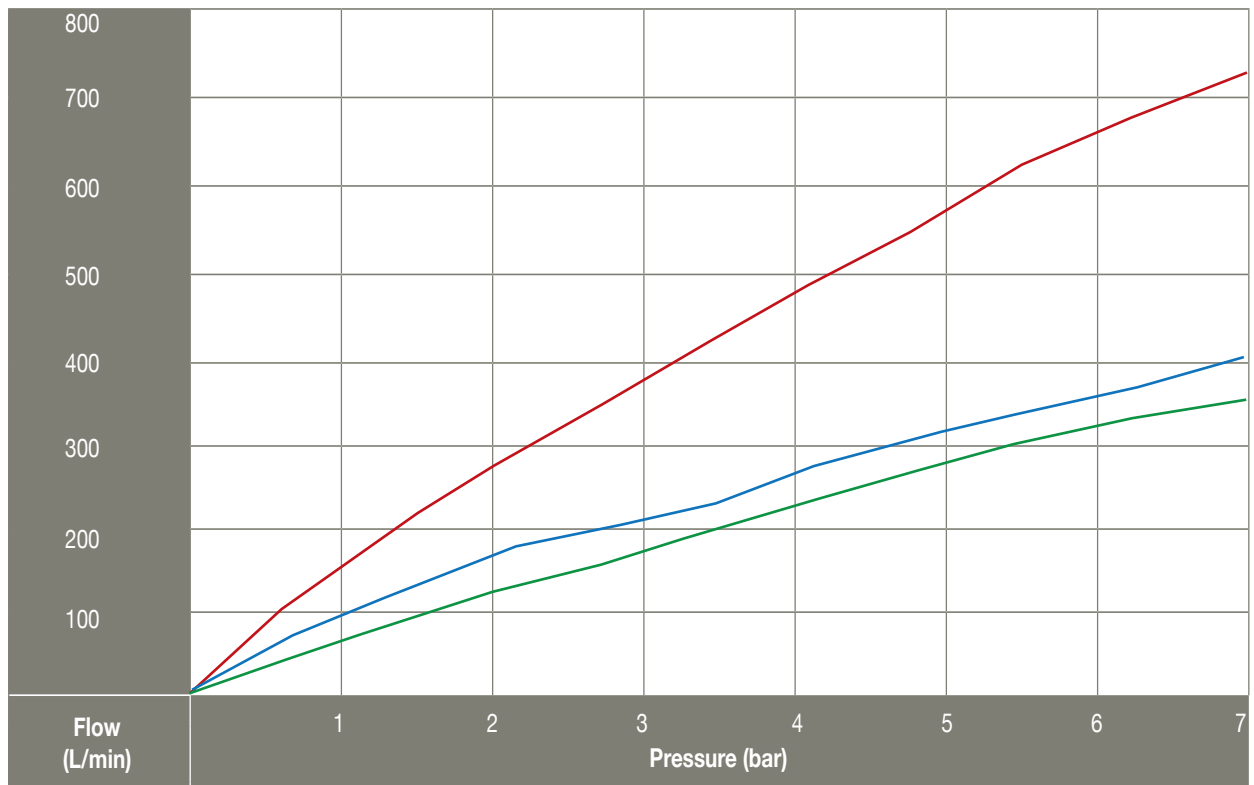
Force For Full Stem Travel:
M-MJV-4D: 0.34 kg;
M-MJV-2C, M-MJVO-2C: 0.70 kg;
M-MJVO-2: 1 kg;
M-MJV-2, M-MJV-3, M-MJVO-3, M-MJV-4: 1.1 kg nominal

Mounting:
M12 x 0.75 thread. Nut and lockwashers furnished. M-MJV-4 and M-MJV-4D also have two 5.1 mm diameter mounting holes in valve body. Cartridge version inserts into a 15.9H7 bore.

Materials:
Brass body, Nitrile seals, stainless steel stem and spring



Pressure vs. Flow



- Miniature size with high flow poppet or spool design
- Poppet valves have superior life and spool valves are more versatile.

- M-MJV-2/3
- M-MJV-4
- M-MJVO-2/3