

# 12 Directional Control Valves – M-MAV/M-MAVO Stem & Cartridge Valves

## M-MAV/M-MAVO Stem Valves

### 2/2, 3/2 & 5/2 Styles

The M-MAV series are M5 ported 2/2, 3/2 and 5/2 valves that change their flow path when the stem is either depressed or released. 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 48 through 53 we offer a wide range of pneumatic and mechanical valve actuators that work with all Clippard stem valves.

#### Medium:

Air, Water or Oil

#### Input Pressure:

M-MAV-2, M-MAV-3: 21 bar max.;

M-MAVO-2, M-MAVO-3, M-MAV-4: 10 bar max.

#### Stem Travel:

M-MAV-2, M-MAV-3: 3 mm;

M-MAV-4: 5 mm

#### Force For Full Stem Travel:

M-MAV-2, M-MAV-3: 0.7 kg;

M-MAVO-2, M-MAVO-3: 0.9 kg;

M-MAV-4: 1 kg;

M-MAV-4D: 0.35 kg nominal

#### Mounting:

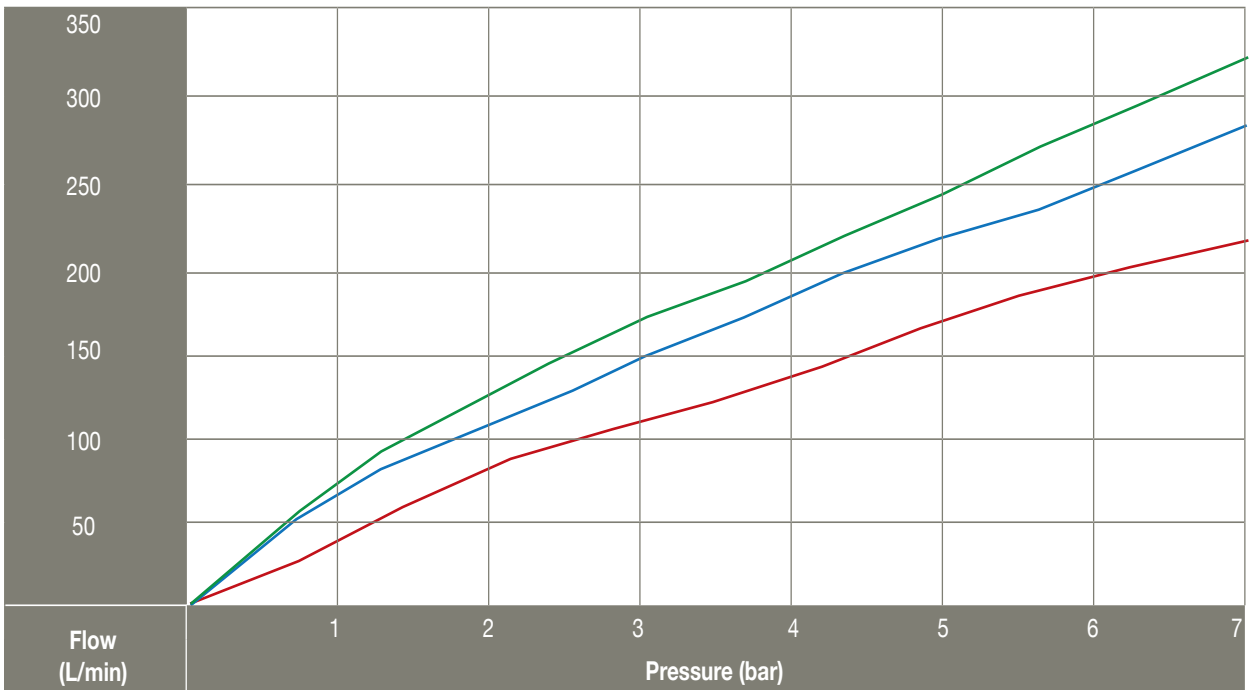
M 12x0.75 thread. Nut and lockwashers furnished. Cartridge inserts into a 9.5 H7 bore.

#### 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-MAV-2/3  
— M-MAV-4  
— M-MAVO-2/3