

Directional Control Valves – **NEW!** M-HV 3/2 & 5/2 Stem & Toggle Valves

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NEW! M-HV Series Stem & Toggle Valves

3/2 & 5/2 Styles

The M-HV-3 Series is a fully-ported 3/2 valve. This can be used as a selector valve choosing between two separate pressures or fluids (port 2 or 4) going to a single output (port 1). Being fully-ported, the inverse will work as well using the valve as a diverter sending a fluid (port 1) to two separate outputs (port 2 or 4). Also, the valve may be used as a Normally-Closed or Normally-Open 3/2 valve. The M-HV-4 series is a 5/2 valve that vents its exhaust ports to atmosphere and is ideal for powering simple cylinder applications.

Medium:

3/2: Air, Oil or Water

5/2: Air

Input Pressure:

10 bar max.

Air Flow:

185 L/min @ 3.5 bar; 335 L/min @ 7 bar

Temperature Range:

0 to 110°C

Force For Full Stem Travel:

2 kg nominal.

Stem:

Stainless Steel

Toggle:

ENP Steel or Plastic

Mounting Cartridge Style:

Inserts into a 13H7 bore

Materials:

Brass body, Nitrile seals, stainless steel stem and spring

Ports:

M5, Cartridge

Stem Travel:

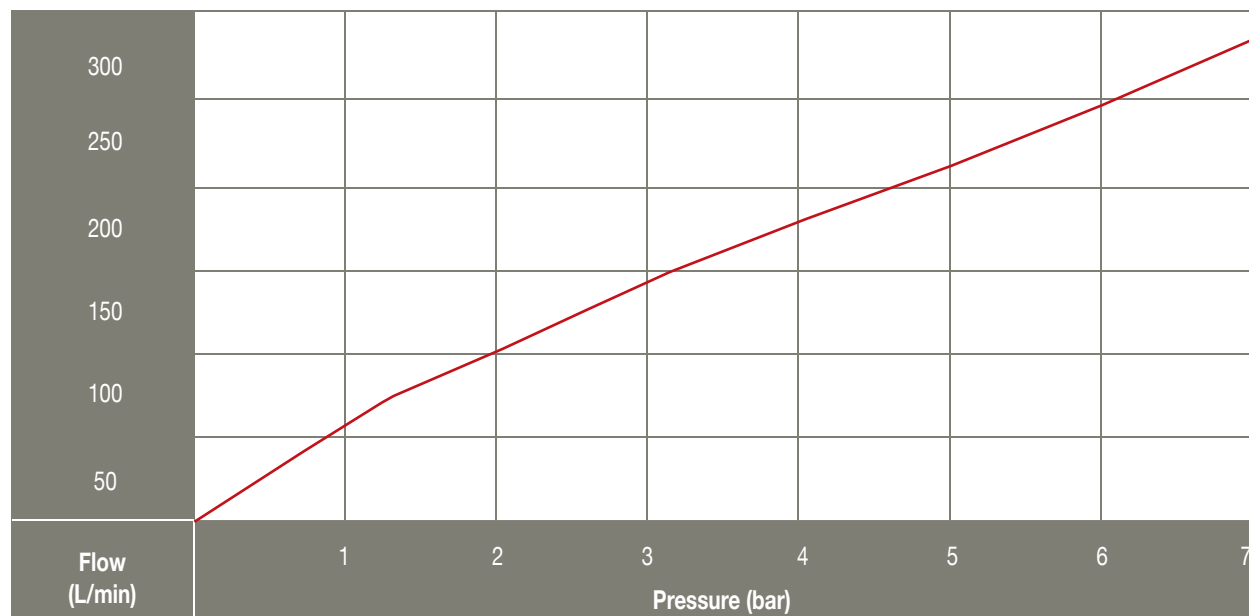
3.2 mm

Seals:

Nitrile, FKM optional



Pressure vs. Flow



- Small, compact size, lightweight
- Design flexibility and fast response
- M12 x 0.75 male thread for panel mounting

- M-HV-3 can be used as a Normally-Open or Closed 3/2 valve
- 5/2 valves exhaust to atmosphere