

Clippard

M-HV Toggle & Stem Valve Series



Available in 3/2 and 5/2 configurations, these valves feature the same benefits available with other Minimatic® brass valves: proven reliability, compact size, economical pricing, precision machining and more. These valves feature M5x0.8 inlet and outlet ports and are available as toggle or stem actuated, in addition to offering cartridge 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, Water or Oil; 5/2: Air

Input Pressure: 10 bar max.

Air Flow: 185 l/min @ 3.5 bar; 425 l/min @ 7 bar

Temperature Range: 0 to 110°C

Ports: M5x0.8 / Cartridge

Force for Full Stem Travel: 2 kg nominal

Stem Travel: 3.2 mm

Mounting (Cartridge Style): Inserts into a 13 mm bore (see details below)

Stem: Stainless Steel

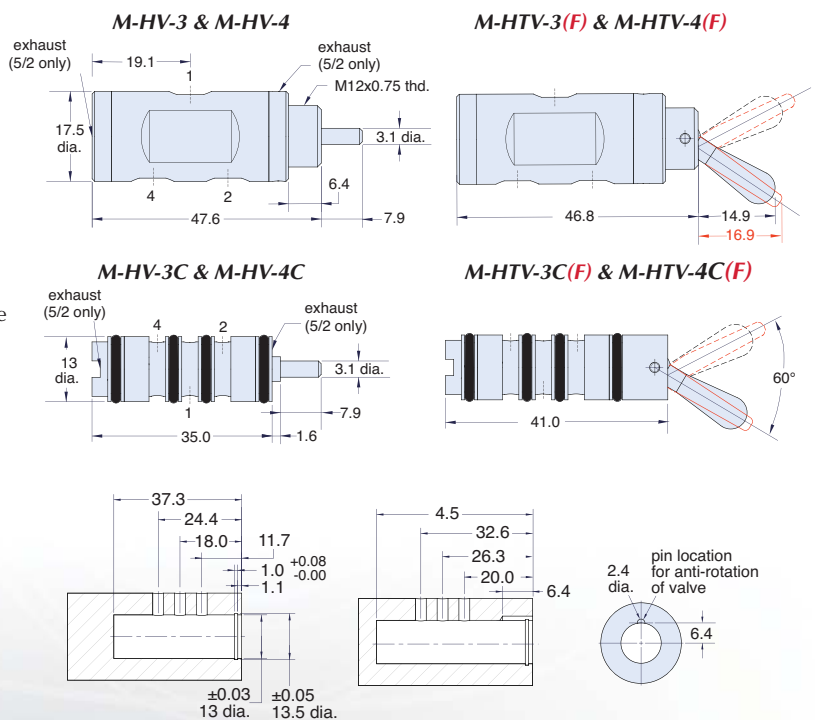
Seals: Nitrile, FKM optional

Toggle: Electroless Nickel-Plated Steel or Plastic

- Small, compact size, lightweight
- Design flexibility and fast response
- Clippard standard stem option available for use with interchangeable actuators (see www.clippard.eu for complete line)
- M12x0.75 male thread for panel mounting
- Bright dipped brass construction for long life and corrosion resistance
- Stainless steel stems and springs for corrosion resistance
- HV-3 can be used as a Normally-Open or Closed 3/2 valve
- 5/2 valves exhaust to atmosphere

Part No.	Description
M-HV-3	Selector/Diverter Stem Valve
M-HV-3C	Selector/Diverter Stem Cartridge Valve
M-HTV-3	Selector/Diverter Valve, ENP Steel Toggle
M-HTV-3F	Selector/Diverter Valve, Plastic Toggle
M-HTV-3C	Selector/Diverter Cartridge Valve, ENP Steel Toggle
M-HTV-3CF	Selector/Diverter Cartridge Valve, Plastic Toggle
M-HV-4	5/2 Stem Valve
M-HV-4C	5/2 Stem Cartridge Valve
M-HTV-4	5/2 Valve, ENP Steel Toggle
M-HTV-4F	5/2 Valve, Plastic Toggle
M-HTV-4C	5/2 Cartridge Valve, ENP Steel Toggle
M-HTV-4CF	5/2 Cartridge Valve, Plastic Toggle

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