

# Clippard

## M-GV Series High Flow Poppet Valves

*Toggle, Stem & Cartridge Styles*



- Will accept a variety of manual, air pilot, electrical or mechanical actuators
- Small, compact size, lightweight
- Design flexibility and fast response
- Electroless nickel plated brass and anodized aluminum construction for long life and corrosion resistance
- Stainless steel stems and springs for corrosion resistance
- Optional Corrosion-Resistant Series also available that incorporates ENP brass replacing the anodized aluminum to provide enhanced protection for valves used with mildly corrosive media such as moisture in air or gases. Add "CR-" to the beginning of each part number.

Clippard is known as the pioneer of miniature pneumatic products. The MAV series poppet valves were introduced in 1958 and were known for their bubble tight design with large flow for their small M5 threaded ports.

Clippard's M-GV series valves offer the same characteristics of its original line with flow 10 times more than the MAV series and 2.5 times the flow of the MJV series. These 2/2 and 3/2 valves are offered in G1/4 and R1/4 thread ports. With Clippard's versatile M12x0.75 nose thread, a large variety of buttons and valve actuators can be used with the M-GV stem operated valves. The M-GTV series are toggle valves with panel mounting capabilities (M16x1.0 nose thread). The outlet port on all M-GV valves can be easily positioned to any orientation for mounting convenience.

**Medium:** 2/2: Air, Water or Oil; 3/2: Air

**Input Pressure:** 10 bar max.

**Air Flow:** 1075 l/min @ 3.5 bar; 1300 l/min @ 7 bar

**Temperature Range:** 0 to 110°C

**Ports:** G1/4

**Force for Full Stem Travel:** 4 kg nominal @ 7 bar

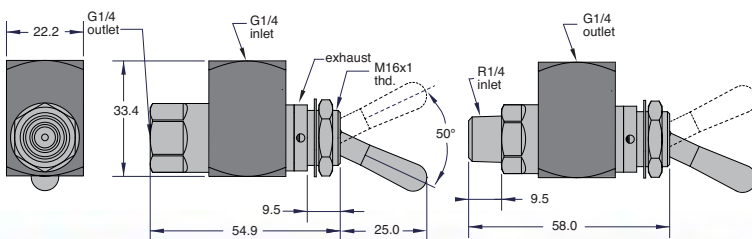
**Stem Travel:** 3.2 mm

**Stem:** Stainless Steel

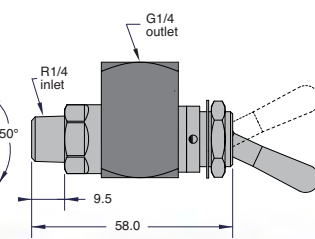
**Toggle:** Electroless Nickel-Plated Steel

**Seals:** Nitrile, FKM optional

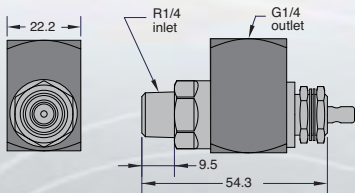
**M-GTV-2 & M-GTV-3**



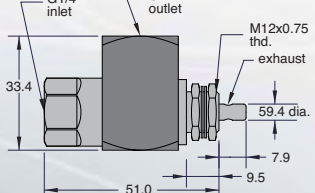
**M-GTV-2Q & M-GTV-3Q**



**M-GV-2 & M-GV-3**



**M-GV-2Q & M-GV-3Q**



### Order Information

Part No.	Description
<u>M-GTV-2</u>	2/2 Toggle Valve, G1/4 Female
<u>M-GTV-2Q</u>	2/2 Toggle Valve, R1/4 Male
<u>M-GTV-3</u>	3/2 Toggle Valve, G1/4 Female
<u>M-GTV-3Q</u>	3/2 Toggle Valve, R1/4 Male

### Order Information

Part No.	Description
<u>M-GV-2</u>	2/2 Stem Valve, G1/4 Female
<u>M-GV-2Q</u>	2/2 Stem Valve, R1/4 Male
<u>M-GV-3</u>	3/2 Stem Valve, G1/4 Female
<u>M-GV-3Q</u>	3/2 Stem Valve, R1/4 Male

For optional Corrosion-Resistant Series, add "CR-" to the beginning of each part number

**Clippard Europe S.A.**

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