

# Clippard

## HV Toggle & Stem Valve Series



Available in 3-way and 4-way 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 #10-32 inlet and outlet ports and are available as toggle or stem actuated, in addition to offering cartridge styles.

The HV-3 Series is a fully-ported 3-way 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-way valve. The HV-4 series is a 4-way valve that vents its exhaust ports to atmosphere and is ideal for powering simple cylinder applications.

**Medium:** 3-Way: Air, Water or Oil; 4-Way: Air

**Input Pressure:** 150 psig max.

**Air Flow:** 6.5 scfm @ 50 psig; 11.8 scfm @ 100 psig

**Temperature Range:** 32 to 230°F (0 to 110°C)

**Ports:** #10-32 / Cartridge

**Force for Full Stem Travel:** 4 1/2 lb. nominal

**Stem Travel:** 1/8"

**Mounting (Cartridge Style):** Inserts into a 1/2" bore (see details below)

**Stem:** Stainless Steel

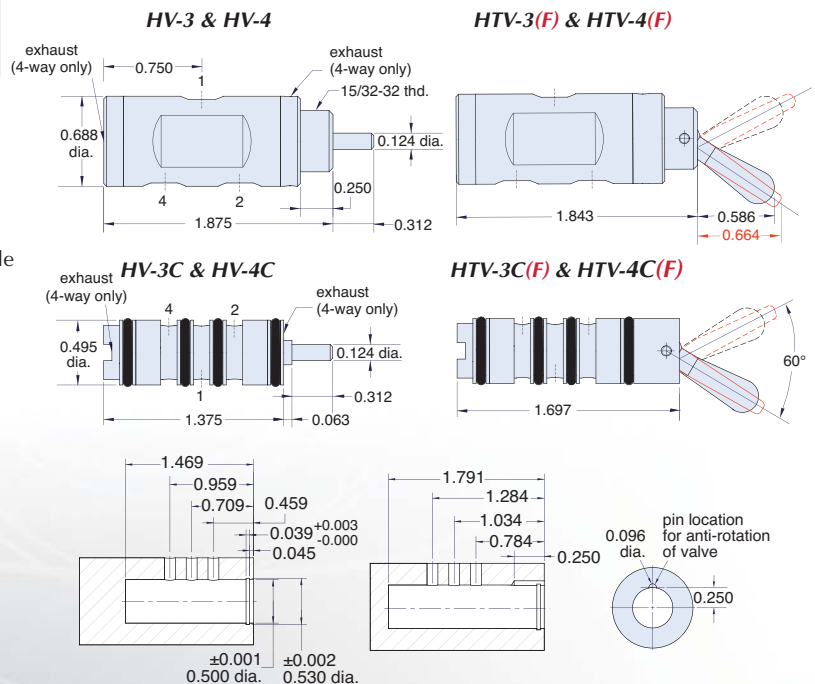
**Seals:** Nitrile, FKM optional

**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.com](http://www.clippard.com) for complete line)
- 15/32-32 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-way valve
- 4-way valves exhaust to atmosphere

Part No.	Description
<a href="#">HV-3</a>	Selector/Diverter Stem Valve
<a href="#">HV-3C</a>	Selector/Diverter Stem Cartridge Valve
<a href="#">HTV-3</a>	Selector/Diverter Valve, ENP Steel Toggle
<a href="#">HTV-3E</a>	Selector/Diverter Valve, Plastic Toggle
<a href="#">HTV-3C</a>	Selector/Diverter Cartridge Valve, ENP Steel Toggle
<a href="#">HTV-3CE</a>	Selector/Diverter Cartridge Valve, Plastic Toggle
<a href="#">HV-4</a>	4-Way Stem Valve
<a href="#">HV-4C</a>	4-Way Stem Cartridge Valve
<a href="#">HTV-4</a>	4-Way Valve, ENP Steel Toggle
<a href="#">HTV-4E</a>	4-Way Valve, Plastic Toggle
<a href="#">HTV-4C</a>	4-Way Cartridge Valve, ENP Steel Toggle
<a href="#">HTV-4CE</a>	4-Way Cartridge Valve, Plastic Toggle

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