# Clippard

# GNV Series Needle Valves

*1/8", 1/4" & 3/8" NPT Styles*


Needle Valves are used to control the rate of flow in a pneumatic system by allowing flow in both directions. The threaded adjustable needle can be screwed in to block the actuator. As a result, the flow of air not only decreases but backs up inside the actuator, preventing the actuator from generating more pressure due to the resistance. Material enters the input port, travels through an orifice and out the output port. Needle valves can be used to reverse the flow of a system or to maintain a constain flow rate.

Available with multiple port sizes, flow rates, mounting options and adjustment styles.

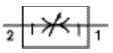
- Provide bidirectional flow control
- Rugged and compact design
- Multiple mounting options
- 360° rotating ports
- ENP brass construction
- Ideal for use with Push-Quick fittings

**Medium:** Air, Water or Oil

**Material, Body:** Electroless nickel plated brass needle and body, anodized aluminum housing

**Input Pressure:** 300 psig max.

**Air Flow:** GNV-3: 11 scfm @ 100 psig
GNV-4: 45 scfm @ 100 psig
GNV-5: 60 scfm @ 100 psig




**Mounting:** Direct, In-Line or Cartridge Style

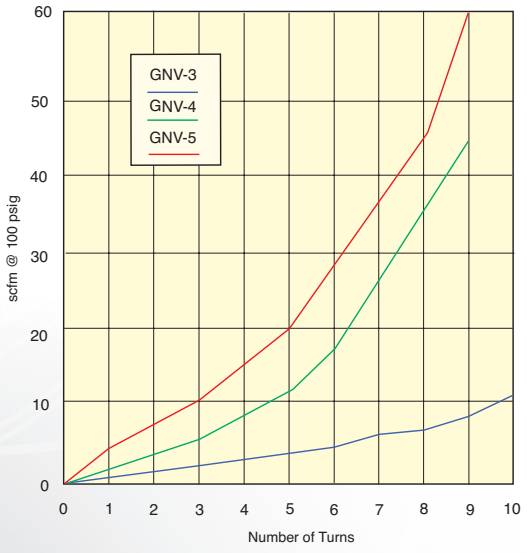
**Porting:** Rotating input allows 360° positioning

**Adjustment:** Recessed slotted needle or knurled knob

**Material, Seals:** Nitrile standard. FKM optional.

**Clippard's MNV- Series Needle Valves** are available with #10-32 ports with various needle configurations to provide coarse or fine flow adjustment. Air flows to 5 scfm @ 100 psig. In-line, direct or thread mounting.

**Clippard Push-Quick Fittings** provide a simple method to connect pneumatic components to each other and system piping. and accept both flexible hose and rigid tubing. Both fittings and tubing are available in many styles, sizes and colors.

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