



Three varieties of check valves are offered by Clippard. Each permits flow in one direction only. All have bright-dipped brass bodies that provide in-line mounting, Buna-N seals and stainless steel springs as standard. The MCV-2 has #10-32 (M5) ports and a “duckbill” seal. The MCV-1 series has #10-32 (M5) ports and a brass poppet. The MJCV-1 series has 1/8" NPT (G1/8) ports and a Delrin® poppet.

Materials: Brass body, Buna-N seals, stainless steel stem and spring

Medium: Air or Hydraulic

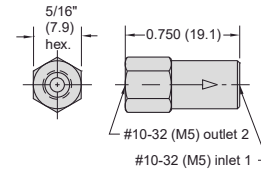
Input Pressure: 300 psig/21 bar max.

Pressure To Open: Cracks at approx. 1/2 psig

Mounting: Direct or inline

Flow Direction: Arrow on valve body indicates direction of flow

Note: Not intended for pressure relief



Medium: Air

Input Pressure: 100 psig/21 bar max.

Air Flow: 1 SCFM @ 50 psig;
28 l/min @ 3.5 bar

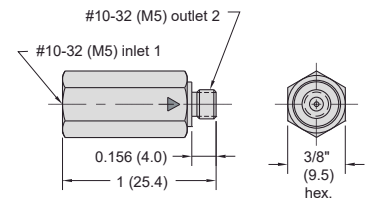
Pressure To Crack: 1 psig

Pressure To Fully Open: 2.5

Part No.

MCV-2

MCV-2-M5



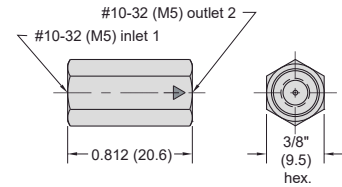
Part No.

MCV-1AB

MCV-1AB-M5



Air Flow: 6.5 SCFM @ 50 psig; 11.5 SCFM @ 100 psig; 280 l/min @ 6 bar



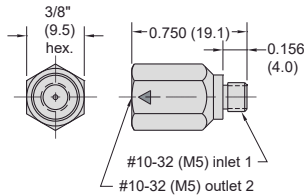
Part No.

MCV-1BB

MCV-1BB-M5



Air Flow: 6.5 SCFM @ 50 psig; 11.5 SCFM @ 100 psig; 280 l/min @ 6 bar



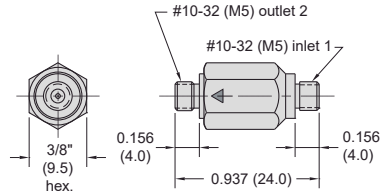
Part No.

MCV-1

MCV-1-M5



Air Flow: 6.5 SCFM @ 50 psig; 11.5 SCFM @ 100 psig; 280 l/min @ 6 bar



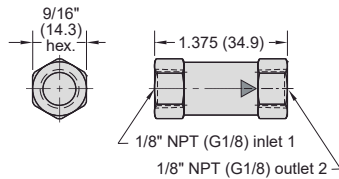
Part No.

MCV-1AA

MCV-1AA-M5



Air Flow: 6.5 SCFM @ 50 psig; 11.5 SCFM @ 100 psig; 280 l/min @ 6 bar



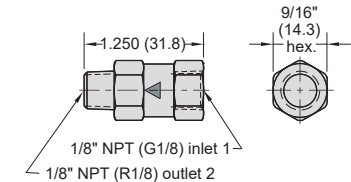
Part No.

MJCV-1

MJCV-1-MG



Air Flow: 20 SCFM @ 50 psig; 36 SCFM @ 100 psig; 580 l/min @ 6 bar



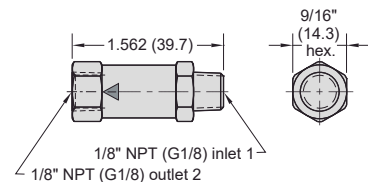
Part No.

MJCV-1AB

MJCV-1AB-MR



Air Flow: 20 SCFM @ 50 psig; 36 SCFM @ 100 psig; 580 l/min @ 6 bar



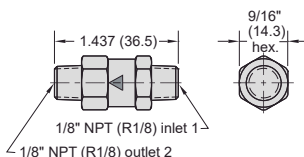
Part No.

MJCV-1BA

MJCV-1BA-MG



Air Flow: 20 SCFM @ 50 psig; 36 SCFM @ 100 psig; 580 l/min @ 6 bar



Part No.

MJCV-1AA

MJCV-1AA-MR

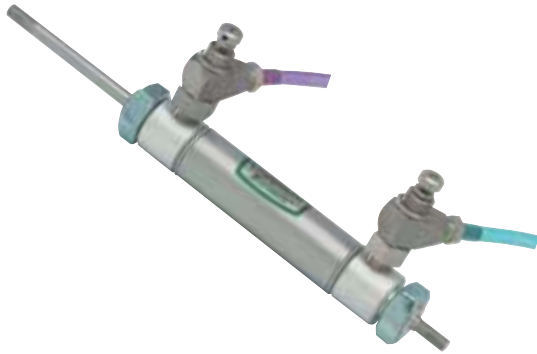


Air Flow: 20 SCFM @ 50 psig; 36 SCFM @ 100 psig; 580 l/min @ 6 bar



FLOW CONTROL VALVES

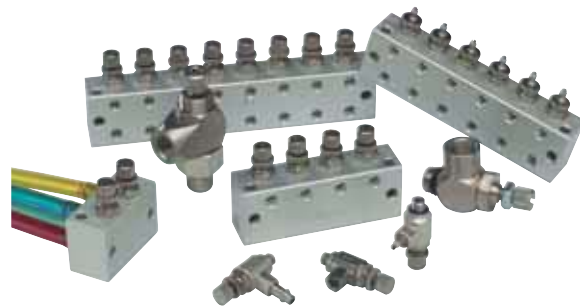
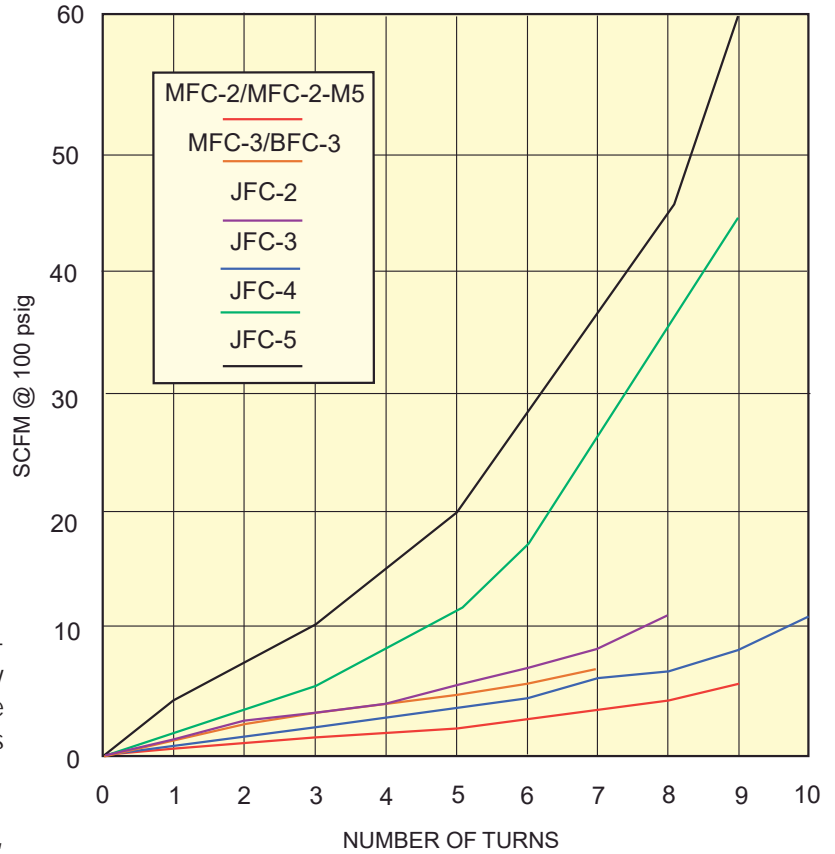
Flow Controls Flow vs. Needle Turns



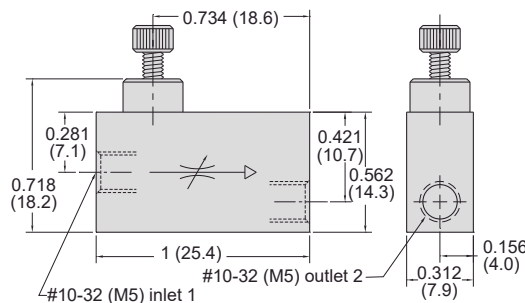
Clippard offers five models of adjustable flow controls with #10-32 through 3/8" NPT ports. They feature a combination needle and check valve that controls flow in one direction and allows free flow in the opposite direction.

They are an ideal valve for use with a cylinder, providing a slow extend stroke while allowing a fast retract stroke. The chart on this page illustrates the flow versus the number of needle adjustments turns for the MFC-2, MFC-2-M5, MFC-3, BFC-3, JFC-2, JFC-3, JFC-4 and JFC-5.

Medium: Air, Water or Oil



Adjustable Flow Control Valve



Materials: Brass body and stainless steel needle; Buna-N seals

Input Pressure: 300 psig max.

Air Flow: 4 SCFM max. @ 50 psig; 7 SCFM max. @ 100 psig

Pressure To Open: Cracks at approx. 2 psig

Mounting: Inline

Flow Direction: Arrow in valve body shows direction of controlled flow

Adjustment: Knurled knob on needle shaft



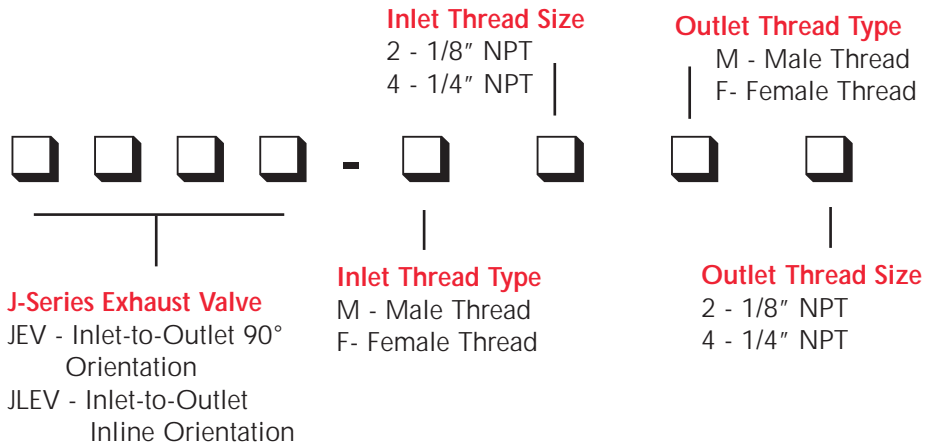
| Part No. | Description |
|------------------|---------------------------------------|
| MFC-2 | Adjustable Flow Control Valve, #10-32 |
| MFC-2-M5 | Adjustable Flow Control Valve, M5 |



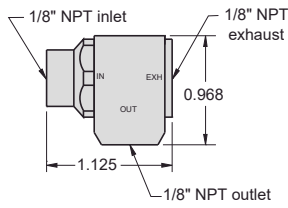
EXHAUST VALVES

J-Series Exhaust Valves

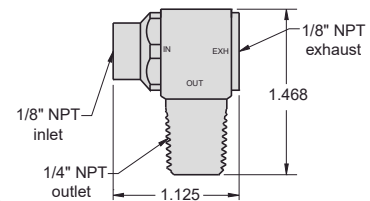
Clippard's J-Series Exhaust Valve offers a variety of design features and provides fast response times and high flow with 1/8" and 1/4" NPT ports. This compact poppet type valve is constructed of brass and is 100% tested to assure the highest quality. The JEV's primary function is to increase cylinder speed. However, it also enables the use of smaller directional valves, longer control lines and can be used as a shuttle valve. 32 versions available.



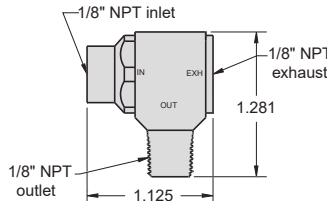
Part No.
JEV-F2F2



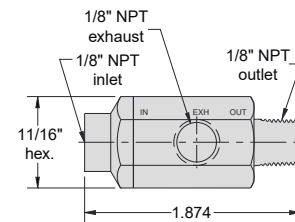
Part No.
JEV-F2M4



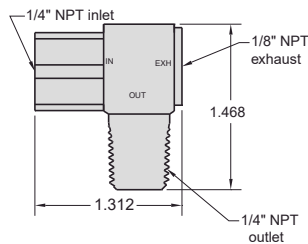
Part No.
JEV-F2M2



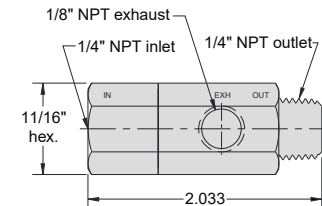
Part No.
JLEV-F2M2



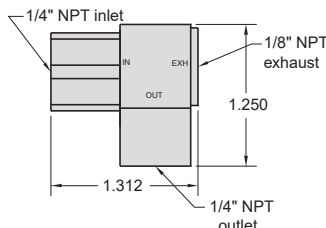
Part No.
JEV-F4M4



Part No.
JLEV-F4M4



Order Information
JEV-F4F4



Features

- Enables use of smaller control valves
- 15 to 150 psig maximum
- Male outlet offers direct connection to cylinder
- 36 SCFM @ 50 psig and 58 SCFM @ 100 psig
- Low shift ratio
- 7 standard configurations
- Custom configurations also available
- Brass construction with molded Buna-N seal