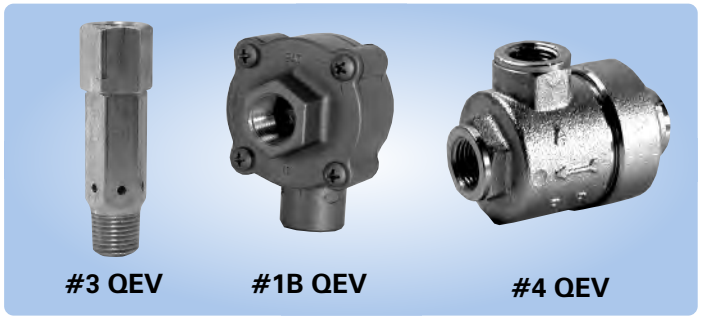


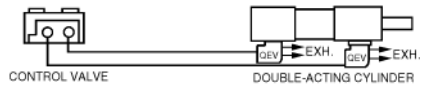
Quick Exhaust Valves

Quick exhaust valves (QEV) increase cylinder rod speed by dumping exhaust air directly at the cylinder instead of back through the control valve. Use one QEV in each cylinder port to increase rod speed in both directions.

Using a quick exhaust valve to increase cycling speed allows a smaller, less expensive control valve to be used.

NEW!

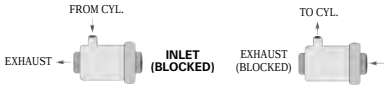
Circuit with Quick Exhaust Valves



Flow Patterns

#1B and #2B

#4, #5 and #6

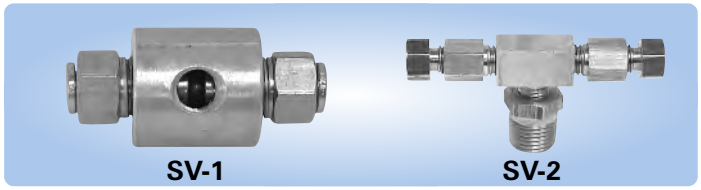


Specifications and Dimensions

Model No.	Port	Cv		Length	Width	Height
#3 QEV	1/8"	.10*	.13‡	1/2"	1/2"	1 13/16"
#1B QEV	1/4"	2.71*	2.83‡	1 3/4"	1 7/8"	2 17/32"
#2B QEV	3/8"	3.13*	3.43‡	1 3/4"	1 7/8"	2 17/32"
#4 QEV	1/2"	3.25*	3.52‡	2.89"	1.02"	2.21"
#5 QEV	3/4"	3.78*	4.08‡	3.43"	1.26"	2.55"
#6 QEV	1"	4.12*	4.40‡	4.26"	3.15"	3.29"

* Inlet port through cylinder port ‡ Cylinder port through exhaust port

Pressure: 30 - 125 PSI #3 QEV, #1B QEV and #2B QEV
15 - 150 PSI #4 QEV, #5 QEV and #6 QEV

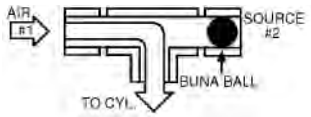


Shuttle Valves

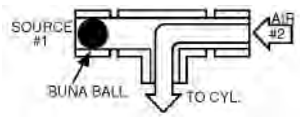
Use shuttle valves to actuate a cylinder or valve from either of two air sources. Available for 1/8" and 1/4" tubing.

Flow Patterns

Cylinder Actuated by Source #1



Cylinder Actuated by Source #2



Specifications & Dimensions

Model No.	Port	Cv	Tubing	Body	Length	Width	Height
SV-2	1/8-27*	.04	1/8" O.D.	Brass	2"	7/16" Hex	15/16"
SV-1	1/8"	.32	1/4" O.D.	Alum.	2 3/4"	1"	1"

* 1/8-27 NPT male

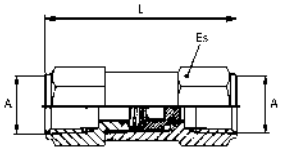
Check Valve

Mead check valves are designed to allow full flow in one direction, and check or stop flow in the other direction.

Specifications
Materials: Nickel Plated Brass Body and Piston NBR 70 Seals Steel Spring
Pressure: 30-120 PSI
Temperature: 0°F to 160°F
Cracking Pressure: 3 PSI

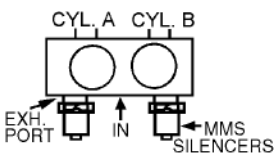
Check Valve Dimensions

Part. No.	A NPTF	L	Es
CV-2	1/8	1.437	.512
CV-4	1/4	1.850	.669



Air Silencers & Breathers

MM, MMS, and MML air silencers reduce exhaust noise by approximately 20%. MMB breather vents prevent contaminants from entering the air component. All models are constructed of sintered bronze (MML are also housed in plastic). MML is designed to have 15% less pressure drop than MM or MMS models. MMP air silencers feature a unique stem for quick connections to tube collets.



MMS Silencers not only serve as sound reducers, but are also low cost speed controls. An adjustable needle valve in the top of each MMS allows for the setting of exhaust rates.

Specifications and Dimensions

Model No.	Pipe Size	Length	Width	Height	Per Box
MM-019	#10-32*	45/64"	5/16" Hex	45/64"	20
MMB-125	1/8" NPT	7/16"	7/16" Hex	7/16"	20
MM-125	1/8" NPT	1 1/8"	7/16" Hex	7/16"	20
MMS-125	1/8" NPT	29/32"	1/2" Hex	1/2"	20
MML-125	1/8" NPT	2 1/8"	13/16"	13/16"	20
MMB-250	1/4" NPT	5/8"	9/16" Hex	9/16"	10
MM-250	1/4" NPT	1 3/8"	9/16" Hex	9/16"	10
MMS-250	1/4" NPT	1 11/64"	9/16" Hex	9/16"	10
MML-250	1/4" NPT	2 1/4"	13/16"	13/16"	5
MMP-250	1/4" O.D. Stem	2 47/64"	13/16"	13/16"	1
MMP-006	6mm O.D Stem	2 47/64"	23/32"	23/32"	1
MMB-375	3/8" NPT	3/4"	11/16" Hex	11/16"	5
MM-375	3/8" NPT	1 1/2"	11/16" Hex	11/16"	5
MMS-375	3/8" NPT	1 17/64"	11/16" Hex	11/16"	5
MML-375	3/8" NPT	3 7/16"	1 1/4"	1 1/4"	5
MMP-375	3/8" O.D. Stem	3 7/64"	23/32"	23/32"	1
MMP-010	10 mm O.D. Stem	3 7/64"	23/32"	23/32"	1
MMB-500	1/2" NPT	7/8"	7/8" Hex	7/8"	5
MM-500	1/2" NPT	1 7/8"	7/8" Hex	7/8"	5
MMS-500	1/2" NPT	1 17/64"	7/8" Hex	7/8"	5
MML-500	1/2" NPT	3 9/16"	1 1/4"	1 1/4"	5

* Furnished with gasket