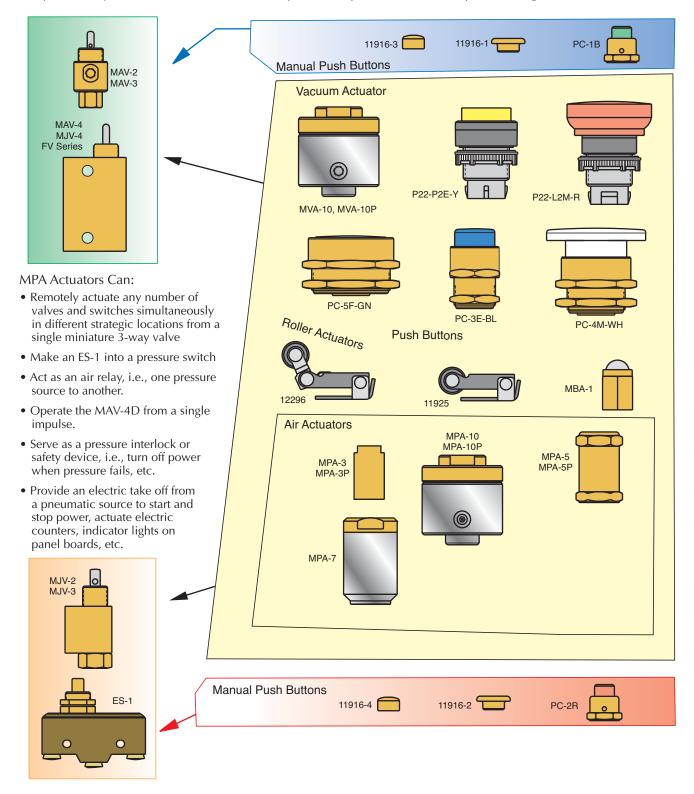


Clippard

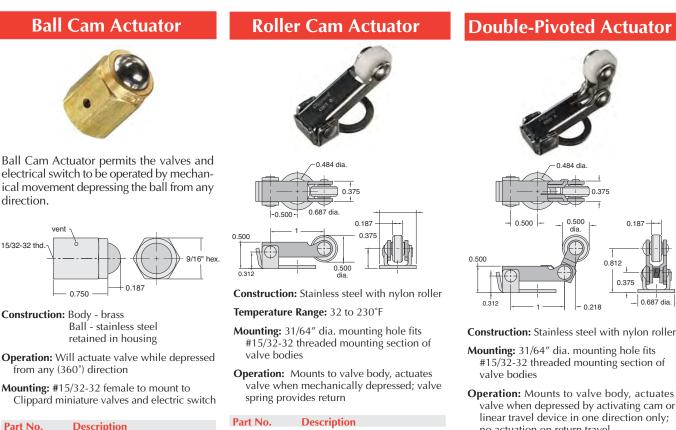
Minimatic

The following valve actuators are compatible with all Clippard MAV, MAVO, MJV, MJVO, ES-1, & FV series valves.

One of the most versatile items in the Clippard line. Permits wide circuit flexibility and allows many control functions to be accomplished pneumatically with less cost, hazards and complexity. Threads onto the tops of our Miniature 2-way, 3-way, and 4-way valves and ES-1 electric switch to provide fast pilot actuation from a pneumatic signal.







MBA-1

Ball Cam Actuator

Part No.	Description
11925	Roller Cam Follower Actuator

valve when depressed by activating cam or linear travel device in one direction only; no actuation on return travel

Part No.	Description
12296	Roller, Double-Pivoted 1-Way
	Cam Follower Actuator

Note for MBA-1, 11925 & 12296: When mounting on a valve, a space should be provided be-

tween the body and the actuator according to the chart to the right:

Valve Mtg. Thd. MBA-1 11925 12296 0.250 thd. length 0.125" 0.062" 0.062" 0.373 thd. length 0.218" 0.188" 0.188"

A mounting nut (supplied with valve), mounting bracket or washers should be used to obtain the required spacing.



If you need a product that fits your application perfectly, Clippard has the capability to design or modify one of its products to suit your exact needs. We understand that a standard catalog product may be close but not be exactly what you need. Let us know YOUR Need, and we will help to find YOUR Solution!



A valve used in dental applications features ports located straight out of the back for easeof-assembly in a tight space. It also incorporates a special toggle to match the customers' aesthetic requirements.

Use any combination of Clippard's electronic valves to actuate any Clippard control valve with an external supply.



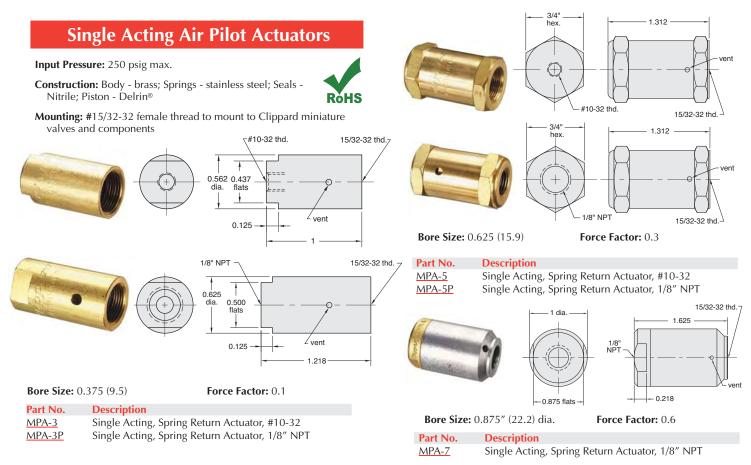
In system subassemblies, manifold-mounted components are desirable for an integrator. In this design, Clippard utilizes the miniature regulator series and an air-piloted 2-way valve mounted on a manifold adjacent to our electronic valve.

For more information, visit www.clippard.com/customsolutions

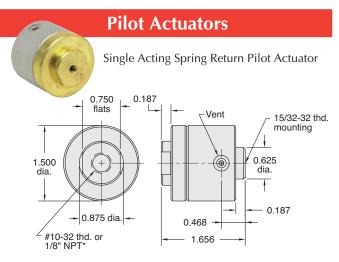


MINIMUM PRESSURE REQUIRED (psig)*											
Clippard Valve	Pressure (psig)			Vacuum (" Hg)	Clippard Valve	Pressure (psig)			Vacuum (" Hg)		
	w/MPA3	w/MPA-5	w/ MPA-7	w/ MPA-10	w/ MVA-10		w/ MPA3	w/ MPA-5	w/ MPA-7	w/ MPA-10	w/ MVA-10
ES-1 Switch	12	4	2	n/a	n/a	FV-3	41	15	7.5	4.0	8.2
MAV-2	23	8	4	2.0	4.2	FV-3P	41	15	7.5	4.0	8.2
MAV-3	23	8	4	2.0	4.2	FV-4	41	15	7.5	4.0	8.2
MAV-4	36	11	5.5	3.5	7.2	FV-4P	41	15	7.5	4.0	8.2
MJV-4	36	11	5.5	3.5	7.2	FV-5	41	15	7.5	4.0	8.2
MAV-4D	13	4	1.5	1.0	2.0	FV-5P	41	15	7.5	4.0	8.2
MJV-4D	13	4	1.5	1.0	2.0	FV-3D	14	5	2.5	1.5	3.2
MJV-2	30	10	5	3.0	6.2	FV-3DP		5	2.5	1.5	3.2
MJV-3	30	10	5	3.0	6.2	FV-4D	14	5	2.5	1.5	3.2
MAVO-2	27	9	4.5	2.5	5.2						
MAVO-3	27	9	4.5	2.5	5.2	FV-4DP	14	5	2.5	1.5	3.2
MJVO-2	30	10	5	3.0	6.2	FV-5D	14	5	2.5	1.5	3.2
MJVO-3	30	10	5	3.0	6.2	FV-5DP	14	5	2.5	1.5	3.2
HV-3/4	41	15	7.5	4.0	8.2	GV-2/3	87	31	16	8.0	16.0

*with 100 psig to valve inlet







Bore Size: 1.250" dia.

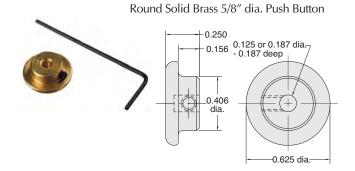
Input Pressure: 150 psig max.

Mounting: #15/32-32 female thread to mount to Clippard Minimatic[®] valves and components; no spacers or washers are required when assembled to any Clippard valve; may be used with 15018-2 mounting bracket

Force Factor: 1.2

Part No.	Description
<u>MPA-10</u>	Single Acting, Spring Return Actuator, #10-32
<u>MPA-10P</u>	Single Acting, Spring Return Actuator, 1/8" NPT

Push Button Actuators, 5/8"

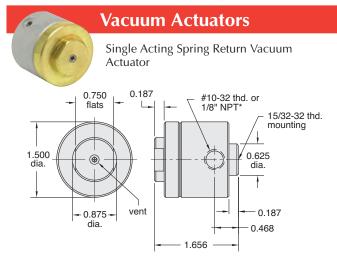


Use: Mounts directly on valve stem for manual operation of valve; prevents over-travel of valve stem by providing a positive stop

Mounting: 1/8" or 3/16" dia. mounting hole fits valve stems; locks in place by set screw (Allen wrench furnished)

Note: Individually packaged or bulk quantities available

Part No.	Description	
<u>11916-1</u>	5/8" Brass Push Button, 1/8" Stem	
<u>11916-2</u>	5/8" Brass Push Button, 3/16" Stem	-



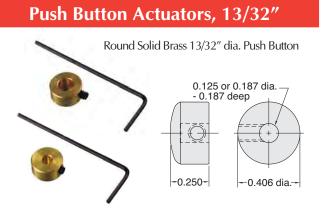
Input Pressure: 30 in. Hg

Mounting: #15/32-32 female thread to mount to Clippard Minimatic® valves and components; no spacers or washers are required when assembled to any Clippard valve; may be used with 15018-2 mounting bracket

Part No. Description

<u>MVA-10</u> Si <u>MVA-10P</u> Si

Single Acting, Spring Vacuum Actuator, #10-32 Single Acting, Spring Vacuum Actuator, 1/8" NPT



Use: Mounts directly on valve stem for manual operation of

valve; small size permits attachment to valve before valve is mounted through 15/32" dia. hole; prevents over-travel of valve stem by providing a positive stop

Mounting: 1/8" or 3/16" dia. mounting hole fits valve stems; locks in place by set screw (Allen wrench furnished)

Note: Individually packaged or bulk quantities available

Part No.	Description
11916-3	13/32" Brass Push Button, 1/8" Stem
11916-4	13/32" Brass Push Button, 3/16" Stem

Metric line available. Visit www.clippard.com