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.

MPA Actuators Can:

- Remotely actuate any number of valves and switches simultaneously in different strategic locations from a single miniature 3-way valve.
- Make an ES-1 into a pressure switch.
- Act as an air relay, i.e., one pressure source to another.
- Operate the MAV-4D from a single impulse.
- Serve as a pressure interlock or safety device, i.e., turn off power when pressure fails, etc.
- Provide an electric take off from a pneumatic source to start and stop power, actuate electric counters, indicator lights on panel boards, etc.
## Valve Actuators

### FPA-1

Adjustable travel needle type foot pedal

![FPA-1 Diagram]

**Construction:** Sturdy cast aluminum and black oxidized steel

**Control Devices:** May be fitted with any Clippard 2, 3 or 4-way valve or MAR-1C pressure controller with a 15/32-32 mounting thread

**Mounting:** To floor or other structure with two 9/32" mounting holes stroke plunger adjustable to accommodate a variety of valves

“Hands-free” touch-of-toe operation of endless types of automated and semi-automated machinery and equipment, jigs and fixtures, is possible thru use of this sturdy treadle type foot pedal, combined with Clippard miniature valves, plunger type air pressure controls, and electrical switch.

A sliding link mechanism between treadle and mounting sleeve actuates the component, and a set screw at the back of pedal base adjusts treadle travel. Pedal is spring loaded at approximately 1/2 lb. for return to “off” position.

### MBA-1

Ball cam actuator permits the valves and electrical switch to be operated by mechanical movement depressing the ball from any direction

![MBA-1 Diagram]

**Construction:** Body - brass
Ball - stainless steel retained in housing

**Temperature Range:** 32˚ to 230˚ F

**Operation:** Will actuate valve while depressed from any (360˚) direction

**Mounting:** 15/32-32 female to mount to Clippard miniature valves and electric switch

Adjustable travel needle type foot pedal

### 11925

Ball cam actuator

![11925 Diagram]

**Construction:** Stainless steel with nylon roller

**Temperature Range:** 32˚ to 230˚ F

**Mounting:** 3/16" dia. mounting hole fits 15/32-32 threaded mounting section of valve bodies

**Operation:** Mounts to valve body, actuates valve when depressed; valve spring provides return

### 12296

Roller cam follower actuator

![12296 Diagram]

**Construction:** Stainless steel with nylon roller

**Temperature Range:** 32˚ to 230˚ F

**Mounting:** 3/16" dia. mounting hole fits 15/32-32 threaded mounting section of valve bodies

**Operation:** Mounts to valve body, actuates valve when depressed by activating cam or linear travel device in one direction only; no actuation on return travel

---

### Note for MBA-1, 11925 & 12296:

When mounting on a valve, a space should be provided between the body and the actuator according to the charts to the right.

<table>
<thead>
<tr>
<th>Valve mtg. thd</th>
<th>MBA-1</th>
<th>11925</th>
<th>12296</th>
</tr>
</thead>
<tbody>
<tr>
<td>15/32-32 thread length</td>
<td>.250&quot;</td>
<td>.218&quot;</td>
<td>.188&quot;</td>
</tr>
<tr>
<td>37/32 thread length</td>
<td>.375&quot;</td>
<td>.375&quot;</td>
<td></td>
</tr>
<tr>
<td>Valve spring length</td>
<td>.062&quot;</td>
<td>.062&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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

### Construction:

- **Valve Actuators**
- **Foot Pedal**
- **Ball Cam Actuator**
- **Roller Cam Actuator**
- **Adjustable Travel Needle Type Foot Pedal**
- **Ball Cam Actuator**
- **Roller Cam Follower Actuator**

---

Documents Provided by Coast Pneumatics
# Air Piloted Valve Actuators

## MINIMUM PRESSURE REQUIRED (PSIG)**

<table>
<thead>
<tr>
<th>Clippard Valve</th>
<th>Pressure (psig)</th>
<th>Vacuum (in Hg)</th>
<th>Clippard Valve</th>
<th>Pressure (psig)</th>
<th>Vacuum (in Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES-1 Switch</td>
<td>12</td>
<td>4</td>
<td>2</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>MAV-2 Valve</td>
<td>23</td>
<td>8</td>
<td>4</td>
<td>2.0</td>
<td>4.2</td>
</tr>
<tr>
<td>MAV-3 Valve</td>
<td>23</td>
<td>8</td>
<td>4</td>
<td>2.0</td>
<td>4.2</td>
</tr>
<tr>
<td>MAV-4 Valve</td>
<td>36</td>
<td>11</td>
<td>5.5</td>
<td>3.5</td>
<td>7.2</td>
</tr>
<tr>
<td>MJV-4 Valve</td>
<td>36</td>
<td>11</td>
<td>5.5</td>
<td>3.5</td>
<td>7.2</td>
</tr>
<tr>
<td>MAV-4D Valve</td>
<td>13</td>
<td>4</td>
<td>1.5</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>MV-4D Valve</td>
<td>13</td>
<td>4</td>
<td>1.5</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>MV-2 Valve</td>
<td>30</td>
<td>10</td>
<td>5</td>
<td>3.0</td>
<td>6.2</td>
</tr>
<tr>
<td>MJV-3 Valve</td>
<td>30</td>
<td>10</td>
<td>5</td>
<td>3.0</td>
<td>6.2</td>
</tr>
<tr>
<td>MAV-2 Valve</td>
<td>27</td>
<td>9</td>
<td>4.5</td>
<td>2.5</td>
<td>5.2</td>
</tr>
<tr>
<td>MAV-3 Valve</td>
<td>27</td>
<td>9</td>
<td>4.5</td>
<td>2.5</td>
<td>5.2</td>
</tr>
<tr>
<td>MJVO-2 Valve</td>
<td>30</td>
<td>10</td>
<td>5</td>
<td>3.0</td>
<td>6.2</td>
</tr>
<tr>
<td>MJVO-3 Valve</td>
<td>30</td>
<td>10</td>
<td>5</td>
<td>3.0</td>
<td>6.2</td>
</tr>
</tbody>
</table>

**with 100 psi to valve inlet; *consult factory**

## MPA-3

Single acting spring return miniature air pilot actuator

- Input Pressure: 250 psig max.
- Bore Size: .375
- Construction: Body - brass
- Springs - stainless steel
- Seals - Buna-N rubber
- Piston - Delrin®
- Force Factor: .1
- Mounting: 15/32-32 female thread to mount to Clippard miniature valves and components
- Ports: 10-32
- Temperature Range: 32˚ to 230˚ F

## MPA-3P

Single acting spring return miniature air pilot actuator

- Input Pressure: 250 psig max.
- Bore Size: .375
- Construction: Body - brass
- Springs - stainless steel
- Seals - Buna-N rubber
- Piston - Delrin®
- Force Factor: .1
- Mounting: 15/32-32 female thread to mount to Clippard miniature valves and components
- Ports: 1/8 NPT
- Temperature Range: 32˚ to 230˚ F

---

Documents Provided by Coast Pneumatics
AIR PILOTED VALVE ACTUATORS

**MPA-5**

Single acting spring return miniature air pilot actuator

- **Input Pressure**: 250 psig max.
- **Bore Size**: .625
- **Construction**: Body - brass
  - Springs - stainless steel
  - Seals - Buna N rubber
  - Piston - Delrin®
- **Force Factor**: .3
- **Mounting**: 15/32-32 female thread to mount to Clippard miniature valves and components
- **Ports**: 1/8 NPT
- **Temperature Range**: 32˚ to 230˚ F

**MPA-5P**

Single acting spring return miniature air pilot actuator

- **Input Pressure**: 250 psig max.
- **Bore Size**: .625
- **Construction**: Body - brass
  - Springs - stainless steel
  - Seals - Buna N rubber
  - Piston - Delrin®
- **Force Factor**: .3
- **Mounting**: 15/32-32 female thread to mount to Clippard miniature valves and components
- **Ports**: 1/8 NPT
- **Temperature Range**: 32˚ to 230˚ F

**MPA-7**

Single acting spring return miniature air pilot actuator

- **Input Pressure**: 250 psig max.
- **Bore Size**: .825" dia.
- **Construction**: Body - aluminum and brass
  - Springs - stainless steel
  - Seals - Buna N rubber
  - Piston - Delrin®
- **Force Factor**: .6
- **Mounting**: 15/32-32 female thread to mount to Clippard miniature valves and components
- **Ports**: 1/8-27 NPT
- **Temperature Range**: 32˚ to 230˚ F
**VALVE ACTUATORS**

**MPA-10**

Single acting spring return pilot actuator

- Bore Size: 1.250" dia.
- Input Pressure: 150 psig maximum
- Mounting: 15/32-23/32 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
- Temperature Range: 32˚ to 230˚ F
- *Inlet Port: 1/8 NPT female thread*

**MPA-10P**

**MVA-10**

Single acting spring return vacuum actuator

- Input Pressure: 30 in. Hg vacuum
- 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
- Temperature Range: 32˚ to 230˚ F
- *Inlet Port: 1/8 NPT female thread*

**11916-1 1/8 STEM**

Round solid brass 5/8" dia. push button

- Use: Mounts directly on valve stem for manual operation of valve; prevents overtravel 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)
- Temperature Range: 32˚ to 230˚ F
- Note: Individually packaged or bulk quantities available

**11916-2 3/16 STEM**

**11916-3 1/8 STEM**

Round solid brass 13/32" dia. push button

- 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 overtravel 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)
- Temperature Range: 32˚ to 230˚ F
- Note: Individually packaged or bulk quantities available

**11916-4 3/16 STEM**

Documents Provided by Coast Pneumatics
Captivated Push Buttons

Clippard also offers the captivated push button for use with a large variety of stem operated valves. Captivated push buttons are sold as kits, adaptable to either 1/8” diameter stems or 3/16” diameter stems. Each kit includes a colored acetyl push button, brass housing nut, 1/16” brass spacer, and lock washer for assembly. The standard furnished mounting nut has a bright chromate finish. Black chrome or nickel-plated finishes are also available by adding the suffix -BC or -NP to the part number.

Captivated push buttons can be used on individual stem operated valves or in panel mount application by omitting the 1/16” brass spacer. These push buttons are available in a variety of colors, allowing you to color code, or easily differentiate between valves when designing control systems. The design of these push buttons allows maximum actuation of the valve with no overtravel or side load to the valve stem. This assures superior performance and long life.

Captivated push buttons are commonly used as limit valves in conjunction with pneumatic cylinders, slides, and any variety of mechanical actuators. The rugged design coupled with precise actuation of stem operated valves make it perfect for applications where repetitive cycling of the valve is necessary. Designed to work with Clippard MAV, MJV, and FV series, these push buttons integrate easily into Minimatic® systems, providing optimal quality and efficiency in miniature pneumatic control.

**Push Button Actuators**

**Captivated Push Buttons**

Clippard Instrument Laboratory, Inc. (513) 521-4261 www.clippard.com

**Captivated Push Buttons**

- **Valve Stem dia.**
  - 1/8 dia.
  - 3/16 dia.

- **Push Button Color**
  - B - Black
  - G - Green
  - R - Red
  - W - White
  - Y - Yellow

- **Options**
  - BC - Black chrome
  - NP - Nickel plated

**Spacing Required for Proper Actuation of Push Button**

<table>
<thead>
<tr>
<th>Valve</th>
<th>“A” Dim.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAV-2, MAV-3</td>
<td>3/32”</td>
</tr>
<tr>
<td>MAVO-2, MAVO-3</td>
<td>3/32”</td>
</tr>
<tr>
<td>MAV-4, MAV-4D</td>
<td>5/32”</td>
</tr>
<tr>
<td>MJV-4, MJV-4D</td>
<td>5/32”</td>
</tr>
<tr>
<td>MJV-2, MJV-3</td>
<td>7/32”</td>
</tr>
<tr>
<td>MJVO-2, MJVO-3</td>
<td>7/32”</td>
</tr>
<tr>
<td>FV-3, FV-4, FV-5</td>
<td>7/32”</td>
</tr>
</tbody>
</table>

**Pushbutton Captivated**

- **Valve Stem dia.**
  - 1/8 dia.
  - 3/16 dia.

- **Push Button Color**
  - B - Black
  - G - Green
  - R - Red
  - W - White
  - Y - Yellow

- **Options**
  - BC - Black chrome
  - NP - Nickel plated
Heavy Duty Push Button Actuators

Heavy Duty Push Button Actuators can be used on individual stem operated valves or in panel mounting applications. These push buttons are available in a variety of colors, allowing you to color code, or easily differentiate between valves when designing control systems. They feature a built-in spring so the button always returns to the extended position when released with no additional load on the valve.

The design of these push buttons allows complete actuation of the valve with no overtravel or side load to the valve assuring superior performance and long life.

Push Button Actuators

- **P** - Pushbutton Captivated
- **C** - Size Mounting Thread
  - 3 - 5/8-32 thd. (16mm)
  - 4 - 7/8-32 thd. (22mm)
  - 5 - 1 3/16-28 thd. (30mm)
- **E** - Extended
- **F** - Flush
- **M** - Mushroom
- **BK** - Black
- **WH** - White
- **RD** - Red
- **GN** - Green
- **YL** - Yellow
- **BL** - Blue
- **OR** - Orange
- **BR** - Brown
- **GR** - Grey

Note: Non-standard colors available; consult factory.
**Features**

- Assembles directly to the valve; no adapters required
- Ideal for mounting on panels or brackets, up to 1/4" thick panel
- Self-contained assembly; no loose parts
- Stainless steel spring returns button to extended position with no added load to the valve stem
- Three sizes: 16 mm (5/8 dia.), 22 mm (7/8 dia.) and 30 mm (1-3/16 dia.)
- Flush, extended and mushroom style buttons
- Caution: Pushbuttons are easily depressed. Maintain positive outlook when in use.
- Five bright colors for visibility and operator recognition. Other colors available upon request
- Nickel plated brass housing and nut, molded Delrin® button and stainless steel spring for long life and corrosion resistance
- Protects the valve from overtravel and side load

Different valve models vary in mounting thread length, stem extension and stroke. To accommodate these differences, the chart below lists the recommended spacing ("S") to insure complete valve actuation. Provided with each button is a 1/16" thick spacer ring that may be used in place of a panel or bracket to obtain proper spacing. The lockwasher provided may be used with no significant effect on spacing.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MODEL</th>
<th>&quot;D&quot; Dia.</th>
<th>&quot;H&quot;</th>
<th>Thd.</th>
<th>&quot;P&quot;</th>
<th>+1/32&quot;</th>
<th>Hex Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8-32· (16 mm) mtg. thd.</td>
<td>MJV-2, -3</td>
<td>.825&quot;</td>
<td>.734&quot;</td>
<td>5/8-32</td>
<td>.500&quot;</td>
<td>3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>7/8-32· (22 mm) mtg. thd.</td>
<td>MJV-4, MJV-4D</td>
<td>.925&quot;</td>
<td>.734&quot;</td>
<td>7/8-32</td>
<td>.500&quot;</td>
<td>1-1/16&quot;</td>
<td></td>
</tr>
<tr>
<td>1 3/16-32· (30 mm) mtg. thd.</td>
<td>MAV-3, MAV-3D, MAVO-3, MAVO-3D, MAV-4, MAV-4D, MAV-4D</td>
<td>1.165&quot;</td>
<td>.734&quot;</td>
<td>1 3/16-32</td>
<td>.500&quot;</td>
<td>1-5/16&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**SPACING "S" REQUIRED FOR PROPER VALVE ACTUATION**

- Mounting thd.
- Stem extension
- Valve stroke
- "S" Minimum
- Maximum

<table>
<thead>
<tr>
<th>Valve series</th>
<th>MAV-2</th>
<th>MAV-2O-2</th>
<th>MAV-3</th>
<th>MAV-3D</th>
<th>MAV-4</th>
<th>MAV-4D</th>
<th>MAV-5</th>
<th>MAV-5-2</th>
<th>MAV-5-3</th>
<th>MAV-5-4</th>
<th>MAV-5-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting thd.</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>1/8&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stem extension</td>
<td>5/16&quot;</td>
<td>3/16&quot;</td>
<td>5/16&quot;</td>
<td>1/8&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Valve stroke</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;S&quot; Minimum</td>
<td>none</td>
<td>none</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Features**

- Assembles directly to the valve; no adapters required
- Ideal for mounting on panels or brackets, up to 1/4" thick panel
- Self-contained assembly; no loose parts
- Stainless steel spring returns button to extended position with no added load to the valve stem
- Three sizes: 16 mm (5/8 dia.), 22 mm (7/8 dia.) and 30 mm (1-3/16 dia.)
- Flush, extended and mushroom style buttons
- Caution: Pushbuttons are easily depressed. Maintain positive outlook when in use.
- Five bright colors for visibility and operator recognition. Other colors available upon request
- Nickel plated brass housing and nut, molded Delrin® button and stainless steel spring for long life and corrosion resistance
- Protects the valve from overtravel and side load

Different valve models vary in mounting thread length, stem extension and stroke. To accommodate these differences, the chart below lists the recommended spacing ("S") to insure complete valve actuation. Provided with each button is a 1/16" thick spacer ring that may be used in place of a panel or bracket to obtain proper spacing. The lockwasher provided may be used with no significant effect on spacing.
Minimatic® Actuators

Easily actuated, clearly identifiable panel controls are the hallmark of a professional control system.

Whether the system is a single valve machine control...or an operating console for controlling complex pneumatic systems...you will find the actuator you require.

The line includes round push buttons, in flush, extended, and mushroom styles. Also included are key locking controls, and twist actuators. An electric switch is also available where a combination of electric and pneumatic switching is desired in a single panel.

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>“A”</th>
<th>“B”</th>
<th>Model</th>
<th>“A”</th>
<th>“B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS-P2F</td>
<td>1.156</td>
<td>.492</td>
<td>PS-P2E</td>
<td>1.440</td>
<td>.350</td>
</tr>
<tr>
<td>PS-P2M</td>
<td>1.575</td>
<td>.736</td>
<td>PS-P2M</td>
<td>1.575</td>
<td>1.043</td>
</tr>
<tr>
<td>PS-L3M</td>
<td>1.575</td>
<td>.965</td>
<td>PS-L3M</td>
<td>1.575</td>
<td>1.043</td>
</tr>
<tr>
<td>PS-P4K</td>
<td>1.156</td>
<td>2.320</td>
<td>PS-P4K</td>
<td>1.440</td>
<td>2.280</td>
</tr>
<tr>
<td>PS-L4M</td>
<td>1.575</td>
<td>2.320</td>
<td>PS-L4M</td>
<td>1.575</td>
<td>2.280</td>
</tr>
<tr>
<td>PS-T2T</td>
<td>1.156</td>
<td>1.043</td>
<td>PS-T2T</td>
<td>1.440</td>
<td>1.403</td>
</tr>
<tr>
<td>PS-T3T</td>
<td>1.156</td>
<td>1.043</td>
<td>PS-T3T</td>
<td>1.440</td>
<td>1.043</td>
</tr>
<tr>
<td>PS-T3K</td>
<td>1.156</td>
<td>2.320</td>
<td>PS-T3K</td>
<td>1.440</td>
<td>2.280</td>
</tr>
</tbody>
</table>

Manual Actuator Features

• Attractive and rugged: precision molded ABS plastic
• Two sizes: 30 mm (1 13/64” dia.) in 20 models
  22 mm (7/8” dia.) in 20 models
• 4 bright colors for visibility and operator recognition
• Flush, extended, and mushroom styles
• Custom adaptor mates manual actuator with 26 different Clippard 2, 3, and 4 way valves. Valve and adaptor slide on and lock onto actuator in seconds. Easily removed.
• Special wrench fits both sizes, speeds assembly
• Actuators may be mounted or dismounted in panel independent of valve and adaptor
• 19 legend plates available plus blank plates in each size
• Valve and adaptor may be locked onto actuator in any of four positions to ease installation inside panel
• Anti-rotation rings available for secure mounting
• Key lockable push buttons for security and/or safety

Actuator Mounting Chart

The following chart gives the necessary spacing required between the shoulder of the valve and the base of the adaptor.

<table>
<thead>
<tr>
<th>Valves</th>
<th>PB-85</th>
<th>none</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAV-2, -2P, -2R, -3R, -3, -3P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAVO-2, -3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIV-2, -3</td>
<td>1/8”</td>
<td></td>
</tr>
<tr>
<td>MAV IV-2, -3</td>
<td>1/8”</td>
<td></td>
</tr>
<tr>
<td>MAV 4, -4D</td>
<td>so</td>
<td></td>
</tr>
<tr>
<td>MAV IV 4, -4D</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>ES-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FV-3, -3P, -3D, -3DP</td>
<td>1/8”</td>
<td></td>
</tr>
<tr>
<td>FV-4, -4P, -4D, -4DP</td>
<td>so</td>
<td></td>
</tr>
<tr>
<td>FV-5, -5P, -5D, -5DP</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>
Mounting Clippard Manual Actuators

These drill plans are for units fitted with optional anti-rotation ring.

Legend Plates*
Plastic legend plate, two sizes, with a black field and white inscription (red as noted). Inscription plates are interchangeable in both sizes.

Accessories for Manual Actuators

Mounting Wrench
Fits both 22 Size and 30 Size manual actuators.
PB-60

Valve Adaptor
Adapts all manual actuators to any Clippard standard 2-, 3-, or 4-way brass valve. Made of ZYTEL® ST-901 Supertough Nylon.
PB-85

Square Bezel
Converts any 22 Size actuator to a square actuator.
PS-65

Replacement Mounting Nut
Mounting nut that holds manual actuators to panel. Included with manual actuators. 22 Size only.
PS-55

Anti-Rotation Ring
Holds push button in one position. Included with all twist manual actuators.
PS-50 (22 Size)
PL-50 (30 Size)
**PUSH BUTTON ACTUATORS**

**MANUAL ACTUATORS**

### Size 22

**Flush Push Button**

PS-P2F-R
PS-P2F-G
PS-P2F-B
PS-P2F-Y

Manual push “In”. Spring return.

**Extended Push Button**

PS-P2E-R
PS-P2E-G
PS-P2E-B
PS-P2E-Y

Manual push “In”. Spring return.

**Automatic Push/Turn Mushroom**

PS-L3M-R
PS-L3M-G
PS-L3M-B


**Push Key Push Button**

PS-P4K-B

Manual push “In”. Spring return. Turn key clockwise to lock “Out”, clockwise to unlock. Key withdrawable locked or unlocked. Black only.

**Push Key Mushroom**

PS-L4M-R


**Spring Return Twist 45°**

PS-T2T-B

Turn clockwise and hold for “In”. Release for spring return. Black only.

**Maintained Twist 90°**

PS-T3T-B

Turn clockwise to latch “In”. Turn counter-clockwise to release. Black only.

**Key Twist 90° Maintained**

PS-T3K-B
PS-K3K-B

(PS-K3K-B) Same as PS-T3K-B except key is withdrawable in “Out” position only.

(PS-T3K-B) Turn key clockwise to latch “In”. Turn key counter-clockwise to release. Key withdrawable in both positions. Black only.
Key Twist 90° Maintained

(PL-T3K-B) Turn key clockwise to latch “In”. Turn key counterclockwise to release. Key withdrawable in both positions. Black only.

(PL-K3K-B) Same as PL-T3K-B except key is withdrawable in “Out” position only.

Automatic Push/Turn Mushroom


Manual push “In”. Spring return. Turn key clockwise to lock “Out”; clockwise to unlock. Key withdrawable locked or unlocked. Black only.

Push Key Push Button


Push Key Mushroom


Spring Return Twist 45°


Maintained Twist 90°

(PL-P2M-B) Manual push “In”. Turn clockwise to latch “In”. Turn counterclockwise to release. Black only.

Manual Push Mushroom

Manual push “In”. Spring return.