

Padlock Hole  
(5/16" Diameter)

## Keystone Series 221 Wafer Butterfly Valves

**Keystone Series 221 Butterfly Valves** feature rugged quality construction. Locking handles. Maximum flow area for use in on/off as well as throttling control applications. Standard seat is EPDM with Buna available (both FDA rated). The bonded seat is designed to completely isolate the valve body parts from the liquid. Rounded, hand polished disc and hub edge give full concentric seating without seat obstruction, providing maximum seat life. Locking Handles. Use Padlock MR7KALF-P107. **Note:** These valves have a molded-in resilient non-replaceable seats; suitable for full vacuum applications. (For buna seals add "B" suffix).

Valve Size	2"	2-1/2"	3"	4"	6"	8"
*GPM Flow	60	150	262	647	1,590	2,892

\* Flow rates for water at 1 PSI drop.

### Keystone

#### 221 Series

**NOTE:** The EPDM seats used in these valves are not suitable for use with Diesel Fuel. **Note:** Buna also available. Use "B" suffix.

#### TEMPERATURE RANGE

-20° F to +250° F

**PRESSURE**  
to 250 PSI

5% on 5+  
One Size

**Stem:** 416 Stainless Steel  
**Disc:** 316SS Stainless Steel  
**Body:** Ductile Iron  
**Seat:** EPDM  
**W.P. Rating:** 250 PSI  
**Vacuum Rating:** Full

Part No.	Size	Wt.
KE 906-20	2"	7 lbs.
KE 906-25	2-1/2"	9 lbs.
KE 906-30	3"	10 lbs.
KE 906-40	4"	17 lbs.
KE 906-50	5"	20 lbs.
KE 906-60	6"	25 lbs.
KE 906-80	8"	38 lbs.
KE 906-80G	* 8"	41 lbs.
KE 906-100	† 10"	52 lbs.
KE 906-100G	*† 10"	54 lbs.

\* With Manual Gear Operator. † Has 304SS Disc.

## Keystone Series 222 "Lug" Style Butterfly Valves



222 Series

**NOTE:** The EPDM seats used in these valves are not suitable for use with Diesel Fuel. **Note:** Buna also available.

**Keystone "Lug" Style Butterfly Valves** offer the same great features and construction as the Series 221 Wafer Style above, except "Lug" Style bodies are drilled and tapped. Allows for isolation and removal of downstream piping at full rated pressure (up to 250 PSI). EPDM seats are standard (Buna also available). 316SS Disc, 416SS stem. Locking Handles. **Note:** These valves have a molded-in resilient non-replaceable seats; suitable for full vacuum applications. (For Buna seals; add "B" suffix).

Part No.	Size	Wt.
KE 222-2LUG	2"	10 lbs.
KE 222-3LUG	3"	12 lbs.
KE 222-4LUG	4"	19 lbs.
KE 222-6LUG	6"	27 lbs.

### Keystone

## Keystone Electric Actuator

Keystone has an extensive range of electric valve actuators including accessories such as positioners, position monitors, control position monitors and solenoid valves to create complete flow control packages. Models below are outdoor rated (Nema 4/4X/6) and run on 120V or 240 VAC single phase and are standard on/off only (1/4 turn). Manual override hand wheel.

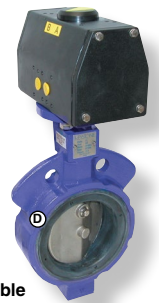


Part No.	Description
KE EPI2-E006A	EPI2 Electric Actuator for 2" to 4" Valves .....
KE EPI2-E013	EPI2 Electric Actuator for 6" Valves .....

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## Air Actuated Butterfly Valves

Include **Keystone Series 221 Butterfly Valves** with either **Keystone** or **Matryx Air Actuators**. Available in double acting style (air to open and close) or spring return style (air to open, spring closes when air is exhausted). Valves include cast iron bodies, EPDM seats, 316SS stainless discs and 416 stainless stems. Valves are rated to 250 PSI and 250° F. (See more details on valve this page). Air actuators are direct mount (no brackets) and include 1/4" FPT air port connections. Designed to open/close valves at 80 PSI in most applications (120 PSI maximum air pressure for **Matryx** actuators; 150 PSI maximum for **Keystone** actuators).



Double Acting  
Keystone



Spring Return

5% on 5+  
One Size

**NOTE:** The EPDM seats used in these valves are not suitable for use with Diesel Fuel. **Note:** Buna & Viton available.

#### DOUBLE ACTING:

Part No.	Size	Type	Wt.
DU A906-20K	2"	Keystone	15 lbs.
DU A906-30K	3"	Keystone	17 lbs.
DU A906-40K	4"	Keystone	21 lbs.
DU A906-60K	6"	Keystone	31 lbs.
DU A906-20M	2"	Matryx	15 lbs.
DU A906-25M	2-1/2"	Matryx	14 lbs.
DU A906-30M	3"	Matryx	17 lbs.
DU A906-40M	4"	Matryx	21 lbs.
DU A906-60M	6"	Matryx	31 lbs.

#### SPRING RETURN:

Part No.	Size	Type	Wt.
DU A906-20KSR	* 2"	Keystone	15 lbs.
DU A906-30KSR	* 3"	Keystone	20 lbs.
DU A906-40KSR	* 4"	Keystone	21 lbs.
DU A906-60KSR	* 6"	Keystone	31 lbs.

\* Note: These models are air actuated valves with a spring that closes valve, when there is a loss of air pressure.

## Keystone Pneumatic Rotary Actuators



5% on 5+  
One Size

**Keystone Pneumatic Actuators** mount directly to 2" thru 6" **KEYSTONE** Butterfly valves to provide remote operation. No brackets are required. Double Acting Models require two air lines, (one to close & one to open). Spring Return Models close automatically when air is shut off. 1/4" FPT air connections. Supply with 100 PSI air (120 PSI Max.). Sleeve adapters also included. (See Repair Kits Below).

Double Acting Shown

Part No.	Pneumatic Actuators	Wt.
KE 790-003	For 2" & 2-1/2" Valves, Double Acting	5 lbs.
KE 790-200	For 2" - 4" Valves, Double Acting	5 lbs.
KE 790-300	For 5" & 6" Valves, Double Acting	8 lbs.
KE 790-600	For 8" Valves, Double Acting	22 lbs.
KE 790-003S	For 2" - 2-1/2" Valves, Spring Return	12 lbs.
KE 790-200S	For 3" - 4" Valves, Spring Return	12 lbs.
KE 790-600S	For 5" - 6" Valves, Spring Return	28 lbs.

## Keystone

## Repair Kits for Pneumatic Actuators

**Repair Kits Include:** Nitrile O-rings, top and bottom spacers and bearings, piston backing pads, support rings and grease tube.

Part No.	For Keystone Actuator Model
KE RK89U-004	F89U-004 (Mfg'd Starting 2016)
KE RK89U-006	F89U-006 (Mfg'd Starting 2016)
KE RK89U-009	F89U-009 (Mfg'd Starting 2016)
KE RK89U-014	F89U-014 (Mfg'd Starting 2016)
KE RK89U-020	F89U-020 (Mfg'd Starting 2016)

#### "Travel" Stroke Limit End Caps (Two Required Per Actuator)

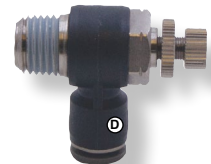
KE ISV-1101904	For KE 790-200
KE ISV-1101906	For KE 790-300
KE ISV-1101907	For KE 790-600

#### Top Arrow (Position Indicator) Kits

KE 11112815	Arrow for F89U Actuators
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## Flow Control (Restrictor) Valves for Air Actuators

Use to restrict air flow out of or into Air Actuators to slow down and control valve closing speed or opening speed. These one way valves meter out (restrict) the tube fitting. Each valve includes steel MPT inlet, tube fitting outlet and has a tough poly body that can swivel. Steel needle valve provides for precision control by finger or with flathead screwdriver. Locking wheel also included.



Part No.	Inlet & Outlet	Use With Actuators
KC 830301	1/8" MPT x 1/4" Tube Fitting	With 1/8" FPT Ports
KC 830303	1/4" MPT x 1/4" Tube Fitting	With 1/4" FPT Ports
FO 534663	1/4" MPT x 3/8" Tube Fitting	With 1/4" FPT Ports