

Lock-out Devices



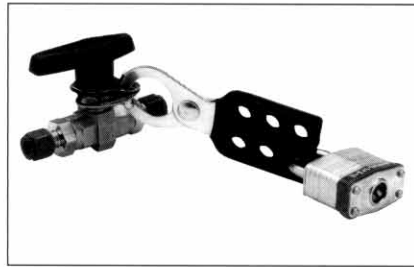
Valve with Lockout Device

Parker's ball valve Lock-Out Device was designed to help developers of instrumentation equipment and systems remain in compliance with OSHA safety regulations. When securely locked in either the **OPEN** or **CLOSED** position, the Lock-Out Device alerts the operator not to actuate the valve. Most often used during maintenance or component replacement, the Lock-Out Device helps ensure the safety of those working on the instrumentation system.

Its simple, two piece configuration allows for easy installation on both 2-way and 3-way ball valves (refer to the **Installation** segment and diagram). The ample diameter of the lock-out holes allows for a variety of locking mechanisms to be utilized. Some examples of these locking mechanisms are a regular sized padlock or combination lock, a multilock apparatus such as the G-lock, or a general safety tag.

The Lock-Out Device may be ordered separately, as a kit, or directly, accompanying the valve. To order directly, simply add the suffix "LD" to the end of the valve part number (**Example: 4Z-B6LJ-SSP-LD**). To order separately, simply select the part number below which corresponds to appropriate valve configuration.

Part Number	Description
B-Series	
LD-B2L-SS	1/8" 2-way lock-out device
LD-B6L-SS	3/8" 2-way lock-out device
LD-B8L-SS	1/2" 2-way lock-out device
LD-B2X-SS	1/8" 3-way lock-out device
LD-B6X-SS	3/8" 3-way lock-out device
LD-B8X-SS	1/2" 3-way lock-out device
MB-Series	
LD-MB6L-SS	3/8" 2-way lock-out device
LD-MB6A-SS	3/8" 2-way angle lock-out device
LD-MB6X-SS	3/8" 3-way lock-out device

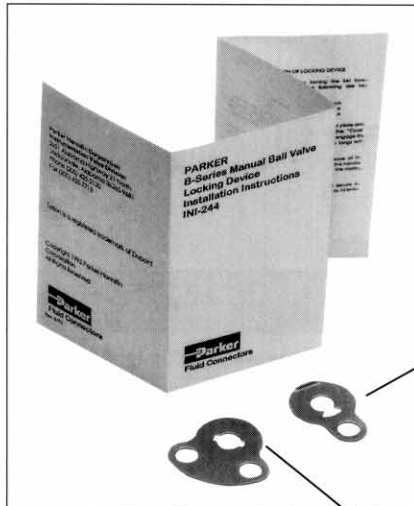


Valve with Lockout Device and G-Lock Apparatus and Lock



Valve with Lockout Device and Lock

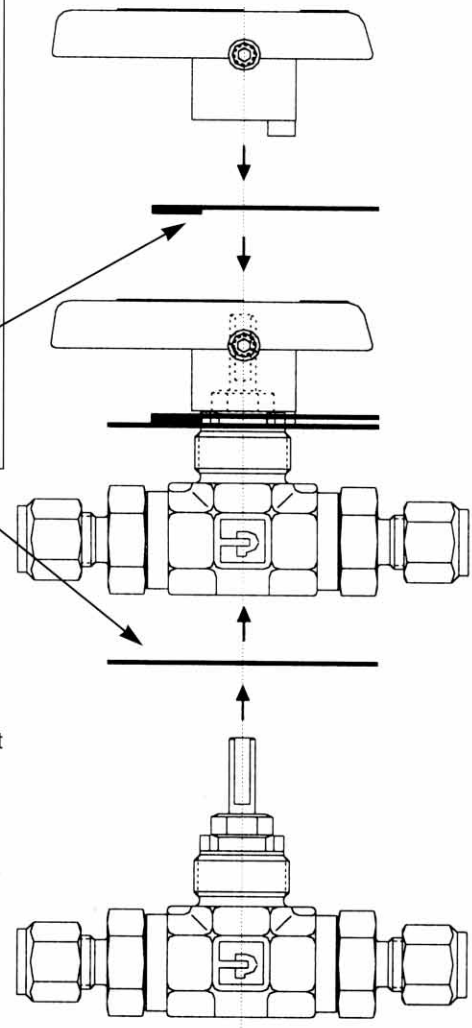
Ball Valve Lock-Out Device



Lockout Device by itself accompanied by installation instructions.

Installation

1. Remove the handle from the valve stem by turning the set screw counter-clockwise.
2. For 2-way ball valves, secure the flat plate (marked "Close") to the valve body by aligning it with the handle stop tangs and pressing down leaving the "Close" marking visible. For 3-way ball valves, attach the flat plate to the valve body in the same manner as with the 2-way leaving the letter markings visible.
3. Attach the remaining plate onto the base of the handle with the bend directed downward.
4. Re-attach the handle to the valve stem.



Pneumatic "60" Series Actuator



How to Order

To order an actuated ball valve, specify the ball valve part number and add the actuator series number as a suffix. The valve part number will specify the proper size bracket, adapter, and actuator to be assembled on the valve. When ordering just the actuator for field installation, simply call out the valve series and then the actuator series desired. The appropriate mounting hardware will be included with the actuator.

Example: 6Z-B6LJ-V-SS-61AD

Describes a 3/8" stainless steel 2-way ball valve with a factory installed pneumatic double acting rotary actuator. For field installation, order B6LJ-61AD.

Note: Please refer to Bulletin 4123, *Ball Valve Actuators*, for additional information detailing actuator specifications.

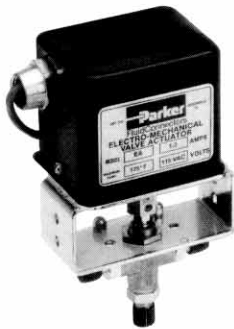
2-Way B-Series Ball Valves				
Valve	Double Acting		Spring Return	
	60 psi	80 psi	60 psi	80 psi
-B2LJ-	61AD	61AD	61AC-2	61AC-2
-B2LJ2-	61AD	61AD	61AC-2	61AC-2
-B2LPKC-	61AD	61AD	61AC-2	61AC-2
-B6LJ-	61AD	61AD	61AC-2	61AC-2
-B6LJ2-	61AD	61AD	61AC-2	61AC-2
-B6LPKC-	61AD	61AD	61AC-2	61AC-2
-B8LJ-	61AD	61AD	61AC-2	61AC-2
-B8LJ2-	61AD	61AD	62AC-3	62AC-3
-B8LPKC-	61AD	61AD	61AC-2	61AC-2

3-Way B-Series Ball Valves				
Valve	Double Acting		Spring Return	
	60 psi	80 psi	60 psi	80 psi
-B2XJ-	61ADX	61ADX	61ACX-2	61ACX-2
-B2XJ2-	61ADX	61ACX	61ACX-2	61ACX-2
-B2XPKC-	61ADX	61ADX	61ACX-2	61ACX-2
-B6XJ-	61ADX	61ADX	61ACX-2	61ACX-2
-B6XJ2-	61ADX	61ADX	61ACX-2	61ACX-2
-B6XPKC-	61ADX	61ADX	61ACX-2	61ACX-2
-B8XJ-	61ADX	61ADX	61ACX-2	61ACX-2
-B8XJ2-	61ADX	61ADX	64ACX-6	64ACX-6
-B8XPKC-	61ADX	61ADX	61ACX-2	61ACX-2

Spring Loaded B-Series Ball Valves				
Valve	Double Acting		Spring Return	
	60 psi	80 psi	60 psi	80 psi
-B6XS2-	61ADX	61ADX	61ACX-2	61ACX-2
-B6XSPKC-	61ADX	61ADX	61ACX-2	61ACX-2
-B8XS2-	61ADX	61ADX	64ACX-6	64ACX-6
-B8XSPKC-	61ADX	61ADX	61ACX-2	61ACX-2

Miniature MB-Series Ball Valves				
Valve	Double Acting		Spring Return	
	60 psi	80 psi	60 psi	80 psi
-MB6L-	61AD	61AD	61AC-2	61AC-2
-MB6A-	61AD	61AD	61AC-2	61AC-2
-MB6X-	61ADX	61ADX	61ACX-2	61ACX-2

Electric Actuator



2-Way and 3-Way Ball Valves						
Voltage Frequency	Actuator Model	Rated Current	Cycle Time	Duty Cycle	Weight	Power Consumption
115 VAC 60 Hz	EA	1.3 Amps	2.1 sec for 90°	25%	3 lbs.	62 Watts Max
220 VAC 50 Hz	EA-220AC	.73 Amps	1.7 sec for 90°	50%	3.8 lbs.	95.3 Watts Max
12 VDC	EA-12DC	.73 Amps	2.6 sec for 90°	50%	2.8 lbs.	9.3 Watts Max
24 VDC	EA-24DC	2.14 Amps	1.7 sec for 90°	50%	2.7 lbs.	14.8 Watts Max

How to Order

To order an electric actuated ball valve, specify the ball valve part number and add the actuator model as a suffix. The valve part number will specify the proper size bracket, adapter, and actuator to be assembled on the valve. When ordering just the actuator for field installation, simply call out the valve series and then the actuator model desired. The appropriate mounting hardware will be included with the actuator.

Example: 8Z-B8XJ-V-SS-EA-24DC

Describes a 1/2" stainless steel 3-way ball valve with a factory installed 24 VDC electric actuator. For field installation, order B8XJ-EA-24DC.

Note: Please refer to Bulletin 4123, *Ball Valve Actuators*, for additional information detailing actuator specifications.

Rotary Vane Actuator



3-Way Ball Valves			
Actuator Model	Valve Size	Valve Series	Seat Material
31VA	1/8"	B2X	All
32VA	3/8"	B6X	All
32VA	1/2"	B8X	All

How to Order

To order a rotary vane actuated ball valve, specify the ball valve part number and add the actuator model as a suffix. The valve part number will specify the proper size bracket, adapter, and actuator to be assembled on the valve. When ordering just the actuator for field installation, simply call out the valve series and then the actuator model desired. The appropriate mounting hardware will be included with the actuator.

Example: 4Z-B6XJ-V-SS-32VA

Describes a 3/8" stainless steel 3-way ball valve with a factory installed 32VA rotary vane actuator. For field installation, order B6XJ-32VA.

Note: Please refer to Bulletin 4123, *Ball Valve Actuators*, for additional information detailing actuator specifications.

Instrumentation Ball Valve Options



Colored Handles:

To order colored nylon handles, just add the color designator to the part number as a suffix.

Black is standard, **W**-white, **B**-blue, **G**-green, **R**-red, **Y**-yellow

Example: 4Z-B6LJ-SSP-W

(2-way ball valve with a white handle)

Round Handles:

Round nylon handles designed to prevent undesired actuation of the valve due to accidental contact. To order, simple add **S** to the part number as a suffix.

Example: 4Z-B6LJ-SSP-S
(2-way ball valve with round handle)

Colored round handles are also available. To order, just add the color designator to the end of the part number.

Example: 4Z-B6LJ-SSP-S-G
(2-way ball valve with round green handle)

Stainless Steel Handles:

Designed for use with corrosive and/or elevated temperature applications. These handles can be ordered by adding **ST** to the end of the part number.

Example: 4Z-B6LJ-SSP-ST
(2-way ball valve with stainless steel handle)

Vacuum Service:

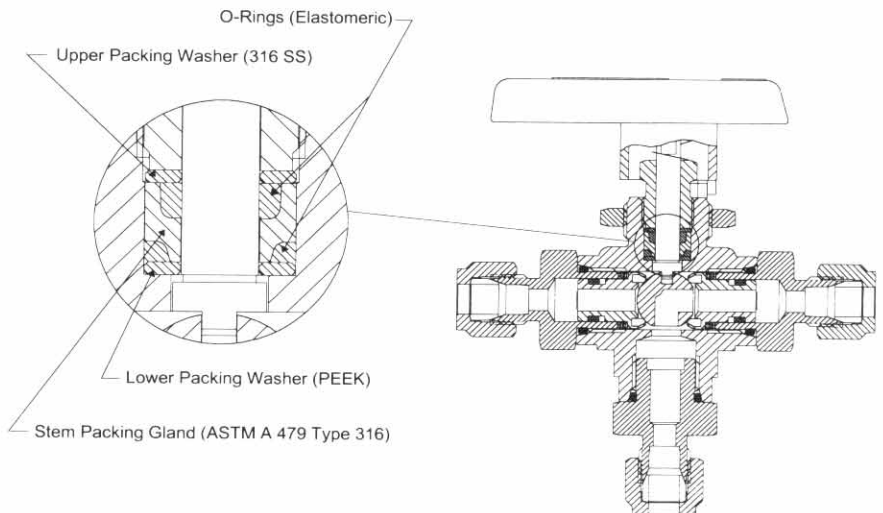
Parker offers instrumentation ball valves vented specially for vacuum service. To order, just add **VBD** (downstream vent) or **VBU** (upstream vent) to the end of the part number.

Example: 4Z-B6LJ-SSP-VBU (2-way ball valve with upstream vent)

O-Ring Packing:

Parker offers an o-ring style stem packing for our B-Series ball valves. O-ring packing reduces the need for packing adjustments due to its inherent elasticity. All pneumatically and electrically actuated B-Series ball valves are supplied with o-ring stem packing. O-ring materials available are **V**-Viton®, **BN**-Buna-N, and **EPR**-Ethylene Propylene Rubber.

Example: 4Z-B6XJ-BN-SSP (3-way B-Series ball valve with Buna-N stem seal)



Electron Beam Weld (EBW) End Connections:

Parker B-Series and MB-Series ball valves can be ordered with end connections electron beam welded to the body. The weld ensures end connection integrity. To order these valves, just add **EBW** to the end of the part number. See picture for weld locations.

Example: 4Z-B6LJ-SSP-EBW
(2-way B-Series ball valve with welded end connections)

Example: 4Z-MB6LPFA-SSP-EBW
(2-way MB-Series ball valve with welded end connections)

