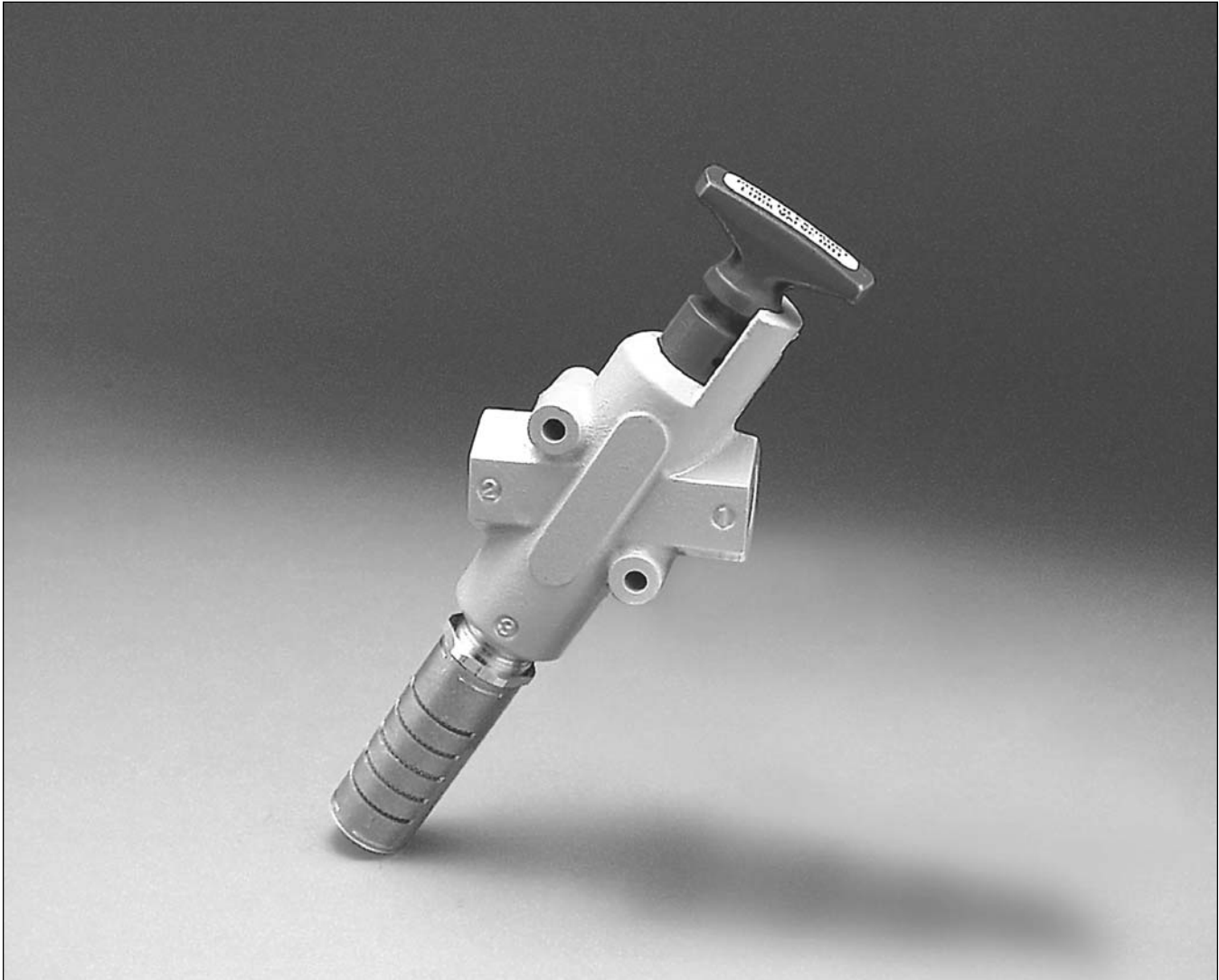


<b>Safety Blow Guns</b>	1-6	<b>A</b>
<b>Ball Valves, Plug Valves</b>	1-6	<b>B</b>
<b>Lockout Valves</b>	1-6	<b>C</b>
<b>Flow Controls &amp; Accessories</b>	1-20	<b>D</b>
<b>Fittings &amp; Hose</b>	1-12	<b>E</b>
<b>Fittings &amp; Tubing</b>	1-70	<b>F</b>
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<b>Offer of Sale</b>		



<b>"LV" Series</b>		<b>"EZ" Series</b>	
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<b>"LV" Series Technical Information</b>		<b>"EZ" Series Technical Information</b>	
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**“LV” Series**

**Features**

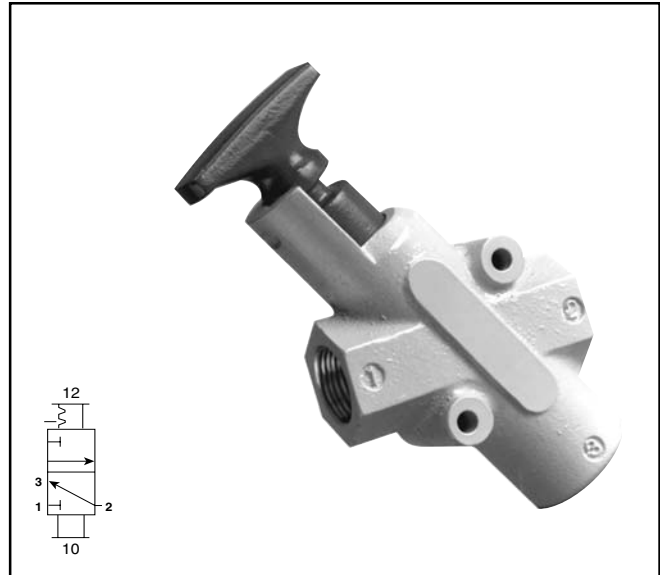
- Used in systems for compliance with OSHA Standard 29 CFR Part 1910
- 1/4 inch to 1-1/4 inch Pipe Sizes
- Cv’s from 3.0 to 14
- 1 and 1-1/4 inch Exhaust Ports available
- Rugged Cast Aluminum Alloy Body
- Metal Handle Offered in 1" Exhaust Port Sizes; Plastic Handle Offered in 1-1/4" Exhaust Port Sizes
- Inline or Surface Mountable
- Safety Yellow and Red for High Visibility
- Detented Spool
- Exhaust Port Threaded for Installation of Silencer or Line for Remote Exhausting

**Applications**

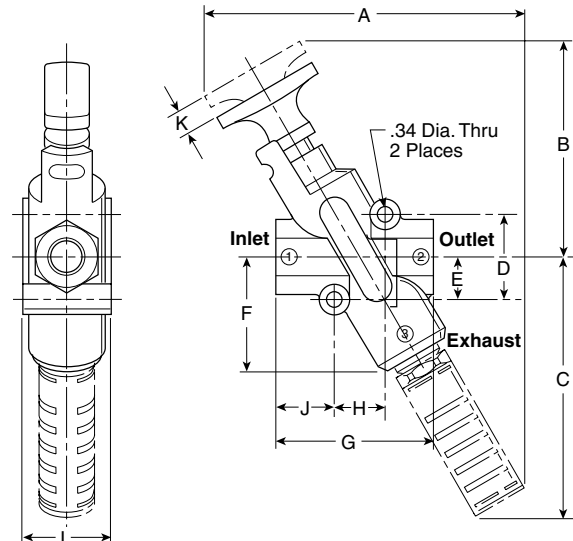
Lockout valves are installed in pneumatic drop legs, or individual pneumatic control lines (see Figure 1). In accordance with OSHA procedures, lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment. Prior to servicing, the red handle is pressed inward, blocking pressure and relieving all downstream air pressure. A padlock is installed through the locking hasp, Preventing accidental actuation during the maintenance procedure. Following maintenance, the padlock is removed and the red handle is pulled outward, returning air pressure to the system. (For complete Lockout / Tagout procedures, consult OSHA Standard 29 CFR Part 1910 in U.S. Federal Register/Vol. 54 No. 169, Friday, September 1, 1989 / Page 36644.)

**Mounting**

Valves can be inline mounted or surface mounted using the two 11/32" mounting holes provided in the valve body. Mount valves in plain view with the handle oriented for accessibility.



**Dimensions**



LV Series Valve shown with optional ES Series Silencer. For more information refer to Section D.

**LV Series, 1" Exhaust Port** Inches (mm)

A	B	C	D	E	F
8.34 (212)	5.64 (143)	6.65 (169)	2.21 (56)	1.10 (28)	2.94 (75)
G	H	J	K	L	
4.14 (105)	1.32 (34)	1.55 (39)	.69 (18)	2.00 (51)	

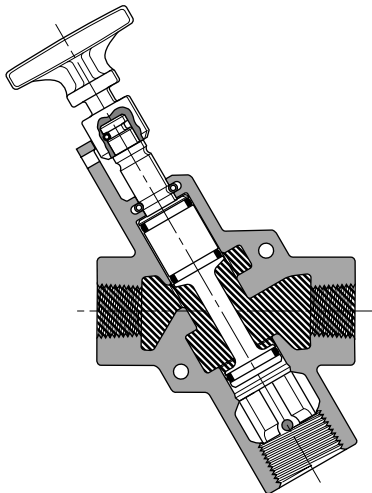
**LV Series, 1-1/4" Exhaust Port** Inches (mm)

A	B	C	D	E	F
7.32 (186)	6.63 (168)	7.63 (194)	2.74 (70)	1.37 (35)	3.95 (100)
G	H	J	K	L	
5.50 (140)	1.74 (44)	1.92 (49)	1.00 (25)	2.26 (57)	

## Operation

### Normal Machine Operation – Valve Open

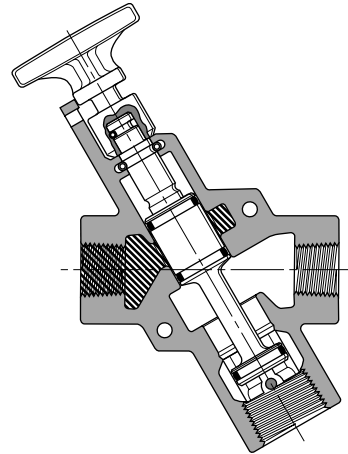
With the handle pulled outward. Inlet Port 1 is open to outlet Port 2. Exhaust Port 3 is blocked.



Open

### Lockout Operation – Valve Closed

With the handle pushed inward. Inlet Port 1 is blocked. Outlet Port 2 is open to Exhaust Port 3.



Closed



## Specifications

### Operating Pressure Range

0 to 250 PSIG (0 to 1725 kPa)

### Operating Temperature Range (Ambient)

32°F to 160°F (0°C to 71°C)

### Lubrication

For best results and service life, use clean, moisture free, lubricated air.

### Recommended Lubricant

F442 Oil

### Materials of Construction

Body: Cast Aluminum Alloy

Handle: 1" Exhaust Port - Cast Aluminum Alloy

1-1/4" Exhaust Port - Plastic

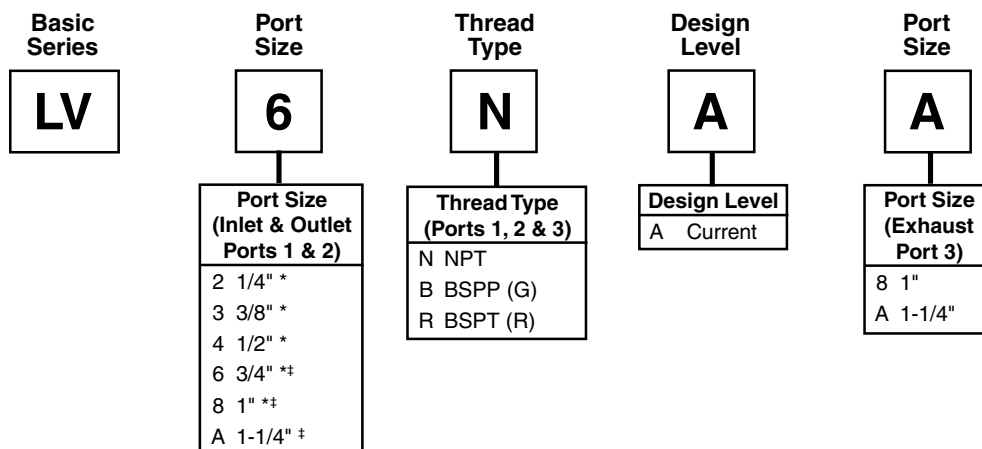
Spool: Aluminum

Seals: Carboxylated Nitrile

Detent Spring: Stainless Steel

Grease: Magnalube G<sup>†</sup>

## LV Series Model Number Index



\* Available with  
1" Exhaust Port.

‡ Available with  
1-1/4" Exhaust  
Port.

<sup>†</sup> Trademark Magnalube

**“EZ” Series**

**Features**

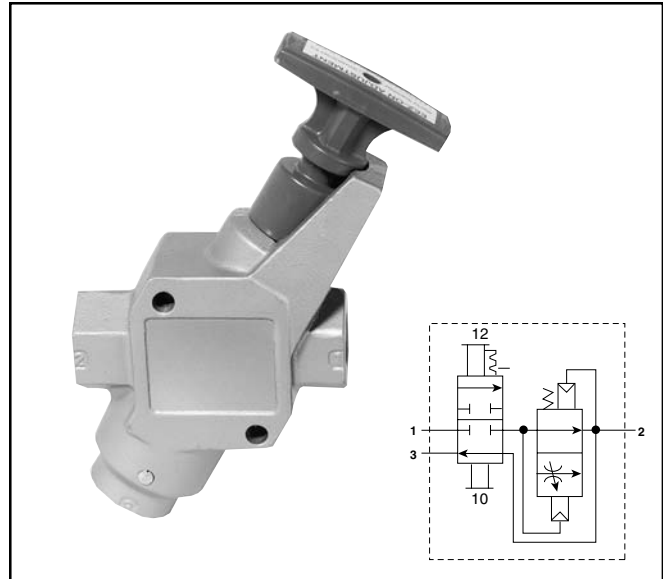
- Combines Lockout and Soft-Start Functions in a Single Unit
- Used in systems for compliance with OSHA Standard 29 CFR Part 1910
- 3/8 inch to 1-1/4 inch Pipe Sizes
- CV's from 3.7 to 13.7
- 3/4 and 1-1/4 inch: Exhaust Ports available
- Rugged Cast Aluminum Alloy Body
- Exhaust Port Threaded for Installation of Silencer or Line for Remote Exhausting
- Inline or Surface Mountable

**Applications**

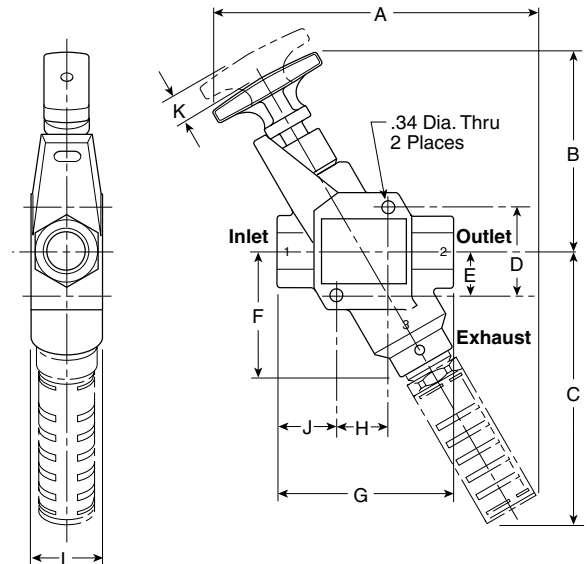
EZ valves are installed in pneumatic drop legs, or individual pneumatic control lines (see Figure 1). In accordance with OSHA procedures, EZ valves are used during maintenance and service procedures of pneumatically (air) operated equipment. Prior to servicing, the blue handle is pressed inward, blocking pressure and relieving all downstream air pressure. A padlock is installed through the locking hasp, preventing accidental actuation during the maintenance procedure. Following maintenance, the padlock is removed and the blue handle is pulled outward, gradually returning air pressure to the system. (For complete Lockout / Tagout procedures, consult OSHA Standard 29 CFR Part 1910 in U.S. Federal Register/Vol. 54 No. 169, Friday, September 1, 1989 /Page 36644.)

**Mounting**

Valves can be inline mounted or surface mounted using the two 11/32" mounting holes provided in the valve body. Mount valves in plain view with the handle oriented for accessibility.



**Dimensions**



EZ Series Valve shown with optional ES Series Silencer. For more information refer to Section D.

**EZ Series, 3/4" Exhaust Port** Inches (mm)

A	B	C	D	E	F
6.26 (159)	5.78 (147)	6.25 (159)	2.20 (56)	1.10 (28)	2.97 (75)
G	H	J	K	L	
4.36 (111)	1.32 (34)	1.44 (37)	.80 (20)	2.02 (51)	

**EZ Series, 1-1/4" Exhaust Port** Inches (mm)

A	B	C	D	E	F
7.32 (186)	6.63 (168)	7.63 (194)	2.74 (70)	1.37 (35)	3.95 (100)
G	H	J	K	L	
5.50 (140)	1.74 (44)	1.92 (49)	1.00 (25)	2.26 (57)	

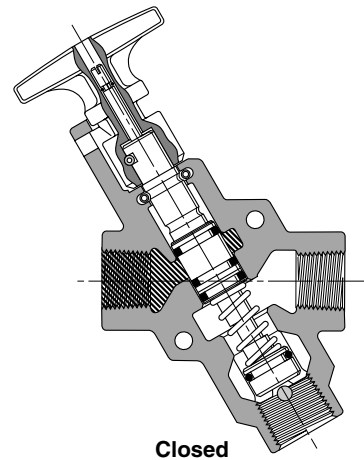
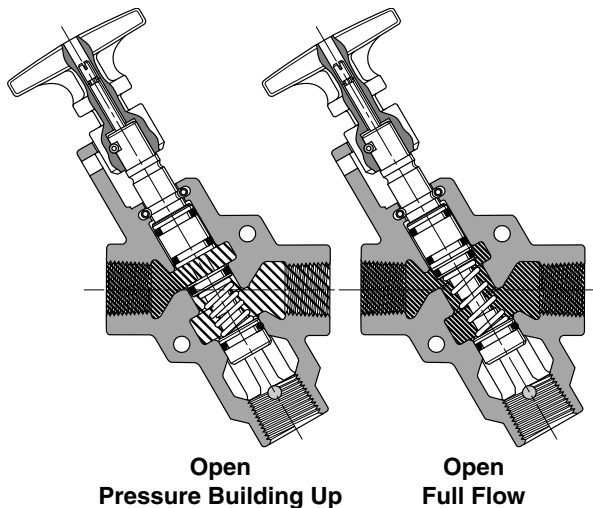
**Operation**

*Normal Machine Operation – Valve Open*

When the blue handle is pulled outward, the adjustable needle valve (accessed through the top of the handle) setting determines the rate of pressure buildup. When downstream pressure reaches the full flow described in the specifications below, Inlet Port 1 is open to outlet Port 2. Exhaust Port 3 is blocked.

*Lockout Operation – Valve Closed*

When the blue handle is pushed inward, the Inlet Port 1 is blocked. Downstream air is exhausted through Exhaust Port 3.



**Specifications**

**Operating Pressure Range**

30 to 150 PSIG (2 to 10 bar)  
 Open to Full Flow: Inlet Pressure - 25 PSIG (1.7 bar)

**Operating Temperature Range (Ambient)**

40°F to 175°F (4°C to 80°C)

**Lubrication**

For best results and service life, use clean, moisture free, lubricated air.

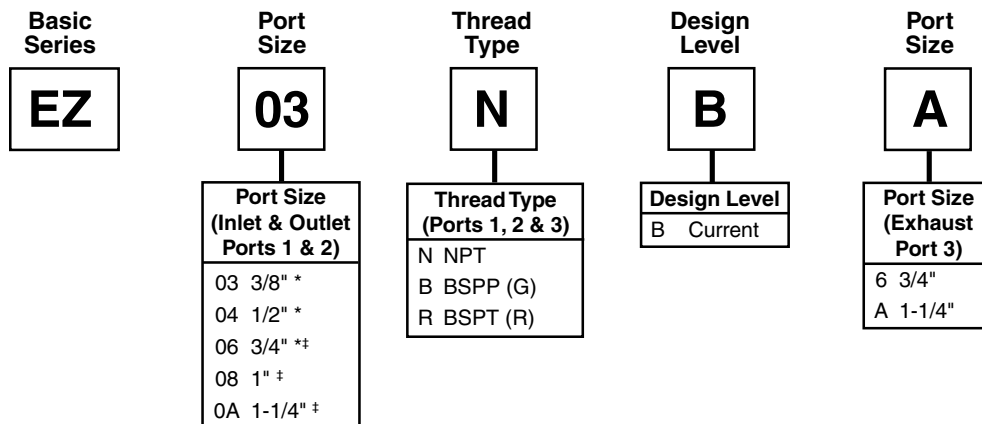
**Recommended Lubricant**

F442 Oil

**Materials of Construction**

Body: Cast Aluminum Alloy  
 Handle: Plastic  
 Spool: Aluminum  
 Seals: Carboxylated Nitrile  
 Detent Spring: Stainless Steel  
 Grease: Magnalube G<sup>†</sup>

**EZ Combination EEZ-On Series Model Number Index**



Notes:

\* Available with 3/4" Exhaust Port.

† Available with 1-1/4" Exhaust Port.

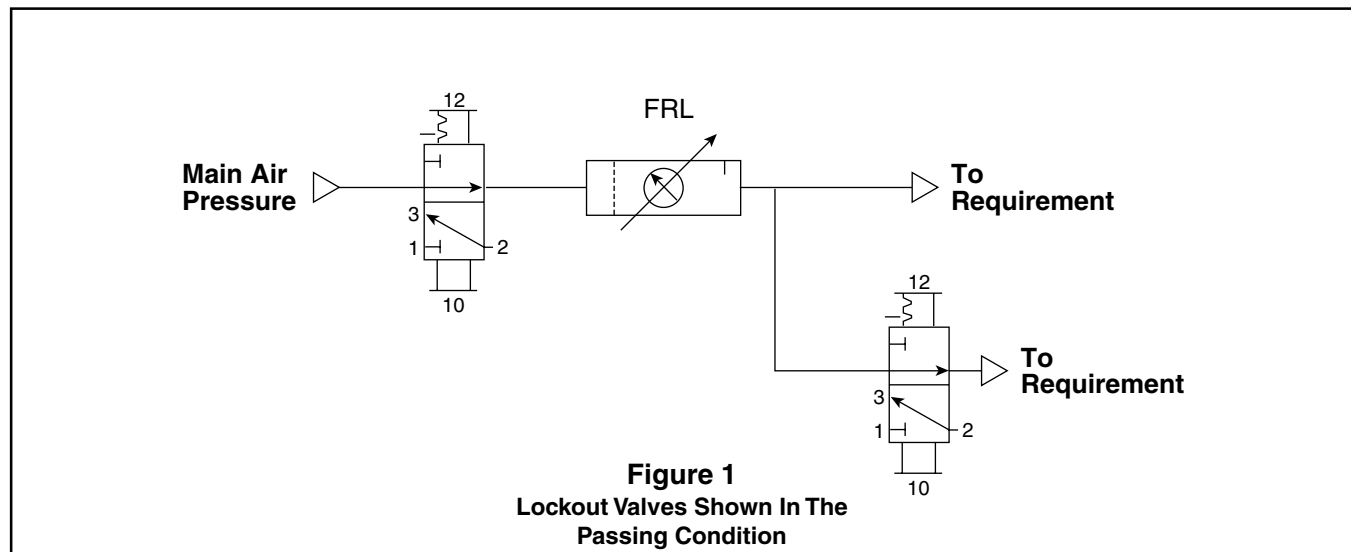
† Trademark Magnalube

**Flow**

Model	1 to 2 Cv	2 to 3 Cv
LV2NA8	3.00	6.00
LV3NA8	4.30	9.00
LV4NA8	7.70	11.30
LV6NA8	9.50	9.00
LV6NAA	13.98	10.90
LV8NA8	10.20	8.80
LV8NAA	16.70	9.86
LVANAA	19.71	10.41

Model	1 to 2 Cv	2 to 3 Cv
EZ03NB6	3.79	3.78
EZ04NB6	5.31	3.77
EZ06NBA	6.01	9.25
EZ08NBA	11.18	8.13
EZ0ANBA	13.74	8.03

**Schematic**



Friday, September 1, 1989 the Occupational Safety and Health Administration (OSHA) passed a standard, 29CFR Part 1910, requiring certain lockout and / or tagout procedures for the control of a hazardous energy source. This standard addresses practices and procedures that are necessary to disable the release of potentially hazardous energy while maintenance and servicing activities are being performed. Tagout refers to the use of tags to warn workers when equipment using potentially hazardous energy is being serviced. Lockout is the procedure which ensures that all power to a piece of equipment is isolated, locked or blocked and dissipated using a method that cannot be readily removed to bypassed. Dissipation means stored energy at the equipment is brought to a neutral state. This standard is expected to save 120 lives and prevent 60,000 accidents a year. This OSHA Standard became effective October 31, 1989.

A typical application (Figure 1) shows a main lockout valve mounted in the main drop leg, before the split to machine functions. Additional lockout valves can be used to isolate individual control lines. Before servicing, the valve can be actuated and locked to isolate downstream from pressure, and exhaust downstream to atmosphere thus making equipment safe for maintenance.

To reference this standard see the U.S. Federal Register / Vol. 54, No. 169 / Friday, September 1, 1989 / Page 36644. For copies of this standard, contact U.S. Department of Labor, Occupational Safety and Health Administration, Office of Publication, Room N3101, Washington, DC 20210, (202) 523-9667.