

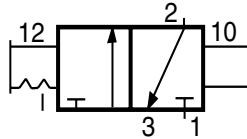
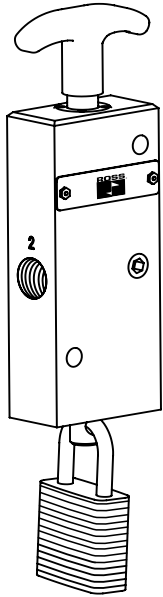
# New Product Introduction

## L-O-X<sup>®</sup> Valves

### Energy Isolation

Expanding our Product Line  
with Small Sizes

Port Sizes 1/4 and 3/8



Manual L-O-X<sup>®</sup> valve shown padlocked in closed position. The valve can only be locked in the closed position.

Push/pull operation - Push the handle inward to exhaust downstream air (lockable in this position). Pull the handle outward to supply air downstream.



#### STANDARD SPECIFICATIONS

**Ambient/Media Temperature:**  
40° to 175° F (4° to 80° C).

**Flow Media:**  
Compressed air, filtered  
(5 micrometer recommended).

**Inlet Pressure:**  
15 to 145 psig (1 to 10 bar).

**Port Threads:**  
NPT, BSPP.

**Lock Hole Diameter:** 0.27 inch (7.06 mm).  
**Length of Hole:** 0.43 inch (10.92 mm).

**NOTE:** Per specifications and regulations, these products are defined as energy isolation devices, **NOT AS EMERGENCY STOP DEVICES.**

#### Referenced Standards:

All standards are subject to revision. Parties are encouraged to investigate and apply the most recent editions of the standards indicated below.

OSHA 29 CFR 1910.147  
CSA Z142-02  
CSA Z460-05  
ISO 13849-1  
ISO 14118:2000  
EN 1037  
ANSI/ASSE Z244.1-2003  
ANSI/PMMI B155.1 - 2006



#### GENERAL:

ROSS L-O-X<sup>®</sup> valves are pneumatic energy isolation devices and are generally used as the first valve in a line supplying compressed air to equipment. Air can be shut off by pushing the red L-O-X<sup>®</sup> handle inward; downstream air is simultaneously exhausted through the L-O-X<sup>®</sup> exhaust port. OSHA compliance requires that the valve be padlocked in this position to prevent handle from being pulled out inadvertently during maintenance and/or servicing.

#### FEATURES:

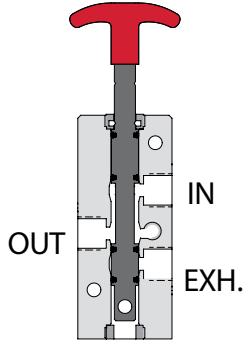
- Easily identified by unique shape.
- Lockable only in the OFF position.
- Large exhaust port for rapid release of pressure.
- Positive action (2 positions only).
- Simple push/pull of the red handle provides positive direct manual operation.
- Pressure sensing port allows installation of either a Pop Up Indicator or Pressure switch (see page 2) to verify pressure is released.



## VALVE OPERATION

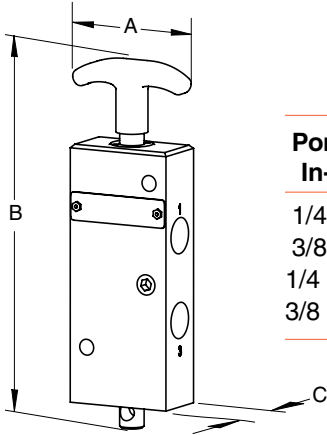
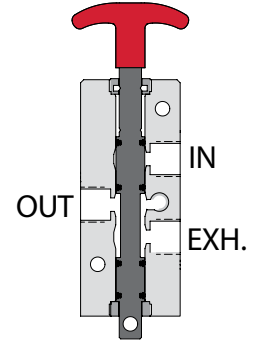
### VALVE OPEN

When the red handle is pulled outward supply air flows freely from inlet to outlet and flow to exhaust is blocked. A detent keeps the handle in the open position.



### VALVE CLOSED

When the red handle is pushed inward, the flow of supply air is blocked and downstream air is exhausted via the exhaust port. While servicing or maintaining machinery, the L-O-X® valve should be padlocked in this position to prevent the handle from being pulled outward inadvertently where potential for human injury exists.



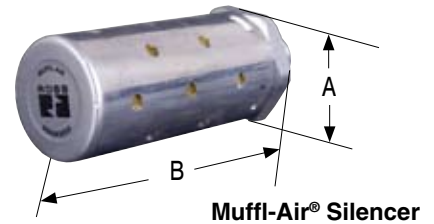
Port Size In-Out	Exh.	Valve Model Number*	Avg. C <sub>v</sub>		Dimensions inches (mm)			Weight lb. (kg)
			In-Out	Out-Exh.	A	B	C	
1/4 NPT	3/8 NPT	Y1523C2002	1.9	1.9	2.3 (58)	6.5 (166)	1.0 (26)	0.83
3/8 NPT	3/8 NPT	Y1523C3012	2.5	2.6	2.3 (58)	6.5 (166)	1.0 (26)	0.83
1/4 BSPP	3/8 BSPP	YD1523C2002	1.9	1.9	2.3 (58)	6.5 (166)	1.0 (26)	0.83
3/8 BSPP	3/8 BSPP	YD1523C3012	2.5	2.6	2.3 (58)	6.5 (166)	1.0 (26)	0.83

## ACCESSORIES

### Muffl-Air® Silencer

Port Size	Average C <sub>v</sub>	Model Number	Threads*	Dimensions inches (mm)		Weight lb. (kg)
				A	B	
3/8	5.7	5500A3003	Male	1.3 (32)	3.8 (9.6)	0.5 (0.2)

\* NPT port threads. For BSPP threads, add the letter "D" in front of the part number.



### Pneumatic Energy Release Verification Options

Model Number	Port Size*	
988A30	1/8	Pop-Up
586A86	1/8	Pressure Switch

\* NPT port threads.



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