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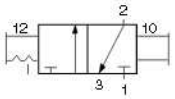
Product Information

Lockout Valves

L-O-X® 15 Series

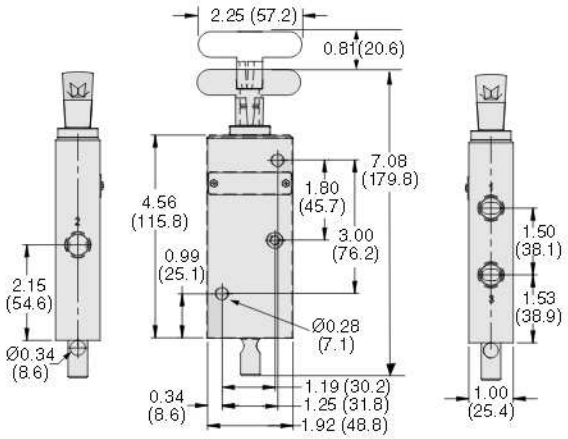


ROSS CONTROLS

3-Way 2-Position Valve							
Port Size		Valve Model Number		C_v		Weight lb (kg)	
1, 2	3	NPT Threads	G Threads	1-2	2-3		
1/4	3/8	Y1523D2002	YD1523D2002	1.84	1.79	0.9 (0.4)	
3/8	3/8	Y1523D3012	YD1523D3012	2.67	2.64	0.9 (0.4)	



Valve Dimensions – inches (mm)



Accessories & Options

Silencers

Port Size	Thread Type	Model Number	Avg. C_v
3/8	Male - NPT	5500A3013	2.7
	Male - R/Rp	D5500A3013	2.7

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.

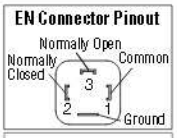


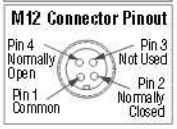
Pressure Switches

Connection Type	Model Number*	Port Threads
EN 175301-803 Form A	586A86	1/8 NPT
M12	1153A30	1/8 NPT

*Pressure switch closes on falling pressure of 5 psig (0.34 bar).







Pop-Up Indicator	Model Number**	988A30
	** 1/8 NPT port threads.	

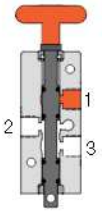


Multiple Lockout Device	Model Number	356A30

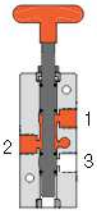


VALVE OPERATION

Valved 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.



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.



If a system requires gradual buildup of downstream pressure, see manual L-O-X® valves with EEZ-ON® operation.

STANDARD SPECIFICATIONS (for valves on this page):

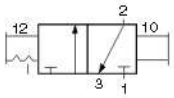
Construction Design	Spool
Mounting Type	In-line
Temperature	Ambient/Media: 40° to 175°F (4° to 80°C)
Fluid Media	Filtered air
Operating Pressure	0 to 145 psig (0 to 10 bar)

Lock Hole	Diameter: 0.27 inch (7.0 mm)
	Length of Hole: 0.43 inch (10.9 mm)
Construction Material	**Valve Body:** Bar Stock Aluminum **Spool:** 316 Stainless Steel **Seals:** Fluorocarbon

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

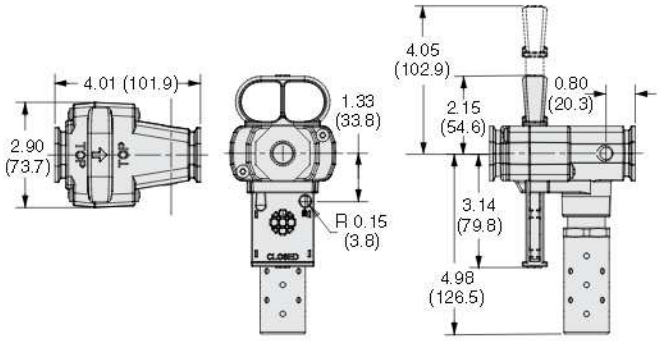
IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

3-Way 2-Position Valve,						
Port Size		Valve Model Number		C_v		Weight lb (kg)
1, 2	3	NPT Threads	G Threads	1-2	2-3	
1/4	3/4	Y1523A2003	YD1523A2003	3.7	7.8	1.7 (0.8)
3/8	3/4	Y1523A3003	YD1523A3003	5.1	8.3	1.7 (0.8)
1/2	3/4	Y1523A4003	YD1523A4003	5.5	8.6	1.8 (0.8)
3/4	3/4	Y1523A5013	YD1523A5013	5.6	8.1	1.8 (0.8)





Valve Dimensions – inches (mm)



Accessories & Options

Silencers

Port Size	Thread Type	Model Number	Avg. C_v
3/4	Male - NPT	5500A5003	11.5
	Male - R/Rp	D5500A5003	11.5

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.

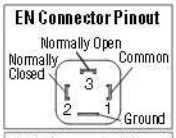


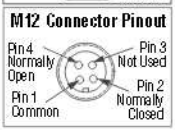
Pressure Switches

Connection Type	Model Number*	Port Threads
EN 175301-803 Form A	586A86	1/8 NPT
M12	1153A30	

*Pressure switch closes on falling pressure of 5 psig (0.34 bar).







Pop-Up Indicator

Model Number**	988A30
** 1/8 NPT port threads.	



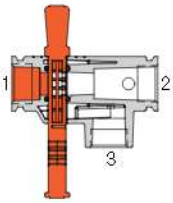
Multiple Lockout Device

Model Number	356A30

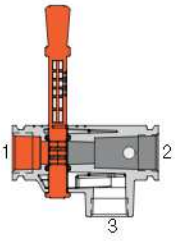


VALVE OPERATION

Valved 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.



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.



If a system requires gradual buildup of downstream pressure, see manual L-O-X® valves with EEZ-ON® operation.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Spool
Mounting Type	Modular; In-line
Temperature	Ambient/Media: 40° to 175°F (4° to 80°C)
Fluid Media	Filtered air
Operating Pressure	0 to 200 psig (0 to 14 bar)

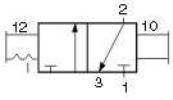
Lock Hole	Diameter: 0.27 inch (7.0 mm)
	Length of Hole: 0.43 inch (10.9 mm)
Construction Material	**Valve Body:** Cast Aluminum **Spool:** 316 Stainless Steel **Seals:** Fluorocarbon

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

IMPORTANT NOTE: Please read carefully and thoroughly all of the CAUTIONS, WARNINGS on the inside back cover.

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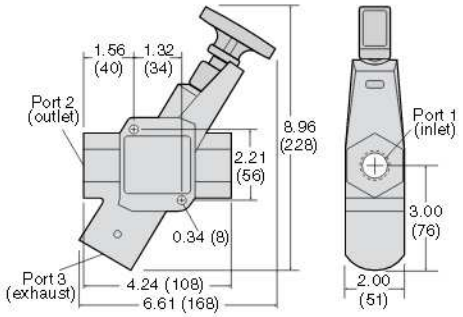
3-Way 2-Position Valve							
Port Size		Body Size	Valve Model Number		C_v		Weight lb (kg)
1, 2	3		NPT Threads	G Threads	1-2	2-3	
3/8	3/4	1/2	Y1523C3002	YD1523C3002	4.74	3.57	2.0 (0.9)
1/2	3/4	1/2	Y1523C4002	YD1523C4002	7.10	4	2.0 (0.9)
3/4	3/4	1/2	Y1523C5012	YD1523C5012	8.26	4.10	2.0 (0.9)
3/4	1¼	1	Y1523C5002	YD1523C5002	13.12	8.98	3.0 (1.4)
1	1¼	1	Y1523C6002	YD1523C6002	16.56	9.52	3.0 (1.4)
1¼	1¼	1	Y1523C7012	YD1523C7012	19.25	9.74	3.0 (1.4)



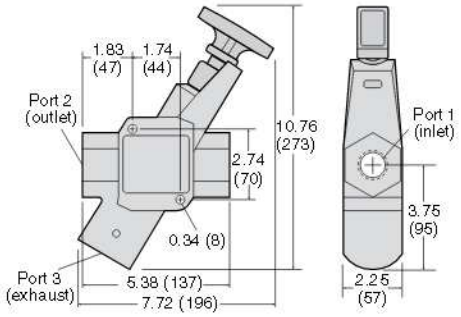


Valve Dimensions – inches (mm)

Body Size 1/2



Body Size 1



Accessories & Options

Silencers

Port Size	Thread Type	Model Number	Avg. C_v
3/4	Male - NPT	5500A5003	11.5
	Male - R/Rp	D5500A5003	11.5
1¼	Male - NPT	5500A7013	16.4
	Male - R/Rp	D5500A7013	16.4

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.

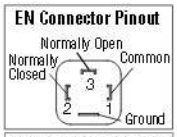


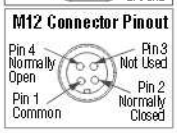
Pressure Switches

Connection Type	Model Number*	Port Threads
EN 175301-803 Form A	586A86	1/8 NPT
M12	1153A30	

*Pressure switch closes on falling pressure of 5 psig (0.34 bar).







Pop-Up Indicator

Model Number**	988A30

** 1/8 NPT port threads.



Multiple Lockout Device

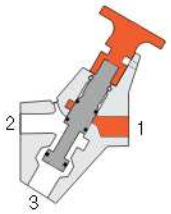
Model Number	356A30



VALVE OPERATION

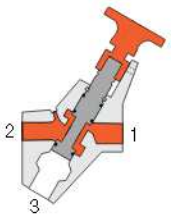
Valved Closed

With a short push of the red handle inward, the flow of supply air is blocked and downstream air is exhausted via the exhaust port at the bottom of the valve. 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 or while servicing machinery.



Valve Open

When the red handle is pulled out, supply air flows freely from inlet to outlet and flow to exhaust is blocked. A detent keeps the handle in the open position. The handle is not designed to be locked in this position, thereby providing for ready shut-off when necessary.



If a system requires gradual buildup of downstream pressure, see manual L-O-X® valves with EEZ-ON® operation.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Spool	**Operating Pressure**	0 to 300 psig (0 to 20.7 bar)
Mounting Type	In-line	**Construction Material**	**Valve Body:** Cast Aluminum **Spool:** 316 Stainless Steel **Seals:** Fluorocarbon
Temperature	Ambient/Media: 40° to 175°F (4° to 80°C)		
Fluid Media	Filtered air		

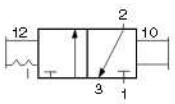
NOTE: Per specifications and regulations, these products are defined as energy isolation devices, NOT AS EMERGENCY STOP DEVICES.

IMPORTANT NOTE: Please read carefully and thoroughly all of the **CAUTIONS, WARNINGS** on the inside back cover.

Manual Lockout & Exhaust L-O-X® Valves
High-Capacity

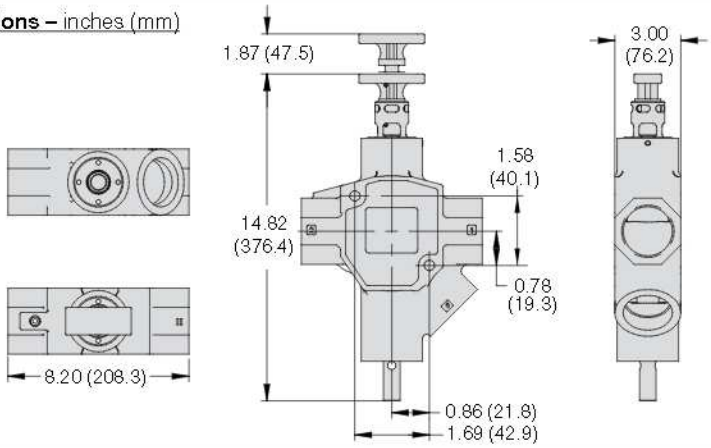
3-Way 2-Position Valve

Port Size		Valve Model Number		C_v		Weight lb (kg)
1, 2	3	NPT Threads	G Threads	1-2	2-3	
1½	2	Y1523C8002	YD1523C8002	35.53	50.98	8.3 (3.7)
2	2	Y1523C9012	YD1523C9012	40.38	52.23	8.3 (3.7)





Valve Dimensions – inches (mm)





Valves can be padlocked in two locations, at the handle or at the end of the spool.

Accessories & Options

Silencers

Port Size	Thread Type	Model Number	Avg. C_v
2	Female - NPT	5500B9001	34.2
	Female - R/Rp	D5500B9001	34.2

Pressure Range: 0 to 290 psig (0 to 20 bar) maximum.
Flow Media: Filtered air.

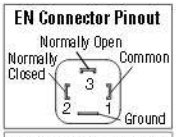


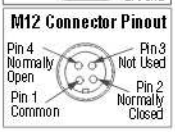
Pressure Switches

Connection Type	Model Number*	Port Threads
EN 175301-803 Form A	586A86	1/8 NPT
M12	1153A30	

*Pressure switch closes on falling pressure of 5 psig (0.34 bar).







Pop-Up Indicator

Model Number**	988A30
** 1/8 NPT port threads.	



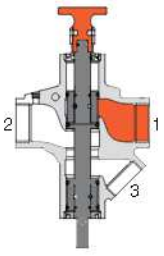
Multiple Lockout Device

Model Number	356A30

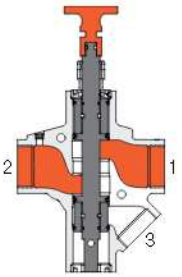


VALVE OPERATION

Valved Closed
With a short push of the red handle inward, the flow of supply air is blocked and downstream air is exhausted via the exhaust port while servicing or maintaining machinery. Padlock the L-O-X® valve in this position to prevent the handle from being pulled outward inadvertently to avoid potential for human injury while servicing machinery.



Valve Open
When the red handle is pulled out, supply air flows freely from inlet to outlet and flow to exhaust is blocked. A detent keeps the handle in the open position. The handle is not designed to be locked in this position, thereby providing for ready shut-off when necessary.



If a system requires gradual buildup of downstream pressure, see manual L-O-X® valves with EEZ-ON® operation.

STANDARD SPECIFICATIONS (for valves on this page):

Construction Design	Spool
Mounting Type	In-line
Temperature	Ambient/Media: 40° to 175°F (4° to 80°C)
Fluid Media	Filtered air
Operating Pressure	0 to 300 psig (0 to 20.7 bar)

Lock Hole	**Diameter:** 0.27 inch (7.0 mm) **Length of Hole:** 0.43 inch (10.9 mm)
Construction Material	**Valve Body:** Cast Aluminum **Spool:** 316 Stainless Steel **Seals:** Fluorocarbon

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

IMPORTANT NOTE: Please read carefully and thoroughly all of the CAUTIONS, WARNINGS on the inside back cover.

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CAUTIONS, WARNINGS And STANDARD WARRANTY

ROSS OPERATING VALVE, ROSS CONTROLS®, ROSS DECCO®, and AUTOMATIC VALVE INDUSTRIAL, collectively the "ROSS Group".

PRE-INSTALLATION or SERVICE

1. Before servicing a valve or other pneumatic component, be sure all sources of energy are turned off, the entire pneumatic system is shut down and exhausted, and all power sources are locked out (ref: OSHA 1910.147, EN 1037).

2. All ROSS Group Products, including service kits and parts, should be installed and/or serviced only by persons having training and experience with pneumatic equipment. Because any product can be tampered with and/or need servicing after installation, persons responsible for the safety of others or the care of equipment must check ROSS Group Products on a regular basis and perform all necessary maintenance to ensure safe operating conditions.

3. All applicable instructions should be read and complied with before using any fluid power system to prevent harm to persons or equipment. In addition, overhauled or serviced valves must be functionally tested prior to installation and use. If you have any questions, call your nearest ROSS Group location.

4. Each ROSS Group Product should be used within its specification limits. In addition, use only ROSS Group components to repair ROSS Group Products.

WARNINGS: Failure to follow these instructions can result in personal injury and/or property damage.

FILTRATION and LUBRICATION

1. Dirt, scale, moisture, etc., are present in virtually every air system. Although some valves are more tolerant of these contaminants than others, best performance will be realized if a filter is installed to clean the air supply, thus preventing contaminants from interfering with the proper performance of the equipment. The ROSS Group recommends a filter with a 5-micron rating for normal applications.

2. All standard ROSS Group filters and lubricators with polycarbonate plastic bowls are designed for compressed air applications only. Use the metal bowl guard, where provided, to minimize danger from high pressure fragmentation in the event of bowl failure. Do not expose these products to certain fluids, such as alcohol or liquefied petroleum gas, as they can cause bowls to rupture, creating a combustible condition and hazardous leakage. Immediately replace crazed, cracked, or deteriorated bowls.

3. Only use lubricants which are compatible with materials used in the valves and other components in the system. Normally, compatible lubricants are petroleum base oils with oxidation inhibitors, an aniline point between 180°F (82°C) and 220°F (104°C), and an ISO 32, or lighter, viscosity. Avoid oils with phosphate type additives which can harm polyurethane components, potentially leading to valve failure which risks personal injury, and/or damage to property.

WARNINGS: Failure to follow these instructions can result in personal injury and/or property damage.

AVOID INTAKE/EXHAUST RESTRICTION

1. Do not restrict air flow in the supply line. To do so could reduce the pressure of the supply air below minimum requirements for the valve and thereby causing erratic action.

2. Do not restrict a valve's exhaust port as this can adversely affect its operation. Exhaust silencers must be resistant to clogging and must have flow capacities at least as great as the exhaust capacities of the valves. Contamination of the silencer can result in reduced flow and increased back pressure.

WARNINGS: Failure to follow these instructions can result in personal injury and/or property damage.

SAFETY APPLICATIONS

1. Mechanical Power Presses and other potentially hazardous machinery using a pneumatically controlled clutch and brake mechanism must use a press control double valve with a monitoring device. A double valve without a self-contained monitoring device should be used only in conjunction with a control system which assures monitoring of the valve. All double valve installations involving hazardous applications should incorporate a monitoring system which inhibits further operation of the valve and machine in the event of a failure within the valve mechanism.

2. Safety exhaust (dump) valves without a self-contained monitoring device should be used only in conjunction with a control system which assures monitoring of the valve. All safety exhaust valve installations should incorporate a monitoring system which inhibits further operation of the valve and machine in the event of a failure within the valve mechanism.

3. Per specifications and regulations, the ROSS L-O-X® and L-O-X® with EEZ-ON®, N06 and N16 Series operation products are defined as energy isolation devices, NOT AS EMERGENCY STOP DEVICES.

WARNINGS: Failure to follow these instructions can result in personal injury and/or property damage.

STANDARD WARRANTY

All products sold by the ROSS Group are warranted for a one-year period [with the exception of Filters, Regulators and Lubricators ("FRLs") which are warranted for a period of seven (7) years] from the date of purchase. All products are, during their respective warranty periods, warranted to be free of defects in material and workmanship. The ROSS Group's obligation under this warranty is limited to repair, replacement or refund of the purchase price paid for products which the ROSS Group has determined, in its sole discretion, are defective. All warranties become void if a product has been subject to misuse, misapplication, improper maintenance, modification or tampering. Products for which warranty protection is sought must be returned to the ROSS Group freight prepaid.

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