

air prep

Lockout Valve Series



numatics®

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Air-Oil Systems, Inc. www.airoil.com



Numatics Lockout Valves



Lockout valves prevent unauthorized pressurization of an air system during service or maintenance. Numatics lockout valves employ a unique, one piece center spool design that accommodates a user-supplied padlock in the closed position. When locked in the closed position, the system controlled by the lockout valve cannot be operated until the padlock is removed.

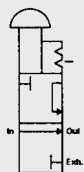
Numatics lockout valves are available in several different designs, including manual, Slo-Start™, and Modular. Each lockout valve is equipped with an emergency shutoff feature that quickly exhausts all downstream air to atmosphere. An additional feature of the Slo-Start™ valves is their capability to gradually build up downstream pressure before opening to full flow conditions.

Features of Numatics lockout Valves

- Emergency shutoff
- Quick exhaust of downstream pressure
- Meets OSHA specifications
- Integrated hole for tradesman lock
- Sturdy construction
- Durable and long lasting
- Standardized bright yellow body with a red knob is easily identified as a lockout device
- Slo-Start™ feature prolongs life of downstream pneumatic components



Lockout Valve Series



ANSI SYMBOL

Manual Lockout Valves VL30/VL40 Series

- High exhaust capability
- Detented spool
- Low-friction startup
- Meets OSHA specifications
- Surface mountable

Specifications

Temperature Range: 40°F to 120°F (4.4°C to 46.9°C)

Maximum Pressure: 150 PSIG (10 bar)

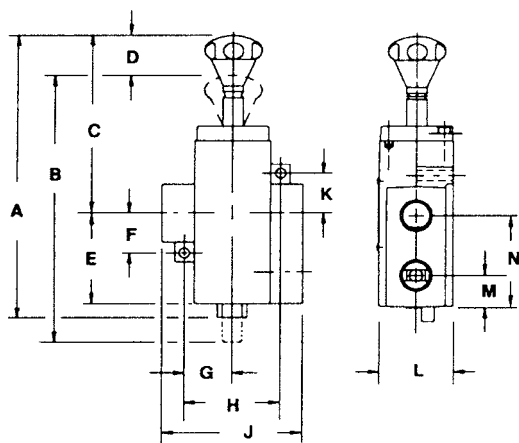
Flow Media: filtered air

Weight: VL30 Series 2.1 lbs (.95 kg)

VL40 Series 4.4 lbs (2 kg)

Cv Ratings

MODEL NUMBER	Cv IN-OUT	Cv OUT-EXH
VL30N03Y	4.8	3.7
VL30N04Y	6.8	5.2
VL30N06Y	8.5	7.5
VL40N06Y	13.5	11.0
VL40N08Y	18.2	14.9
VL40N10Y	19.1	14.9
VL40N12Y	20.3	16.3



Mounting Dimensions

top dimensions = inches

bottom dimensions (in parenthesis) = millimeters

MODEL NUMBER	A	B	C	D	E	F	G
VL30	8.04 (204.2)	7.54 (191.5)	5.16 (131)	0.96 (24.4)	2.38 (60.5)	1.12 (28.6)	1.31 (33.3)
VL40	9.75 (247.7)	9.27 (235.5)	6.12 (155.4)	1.30 (33)	3.13 (79.5)	1.50 (38.1)	1.62 (41.3)

MODEL NUMBER	H	J	K	L	M	N
VL30	2.62 (66.6)	3.76 (95.5)	1.12 (28.6)	2.00 (50.8)	0.75 (19)	2.38 (60.5)
VL40	3.25 (82.6)	4.76 (120.9)	1.50 (38.1)	2.50 (63.5)	1.09 (27.7)	3.13 (79.5)

How To Order

V L 30 N 03 Y

Threads

N = NPTF

G = G Tap (BSPP)

Port Size

03 = 3/8 in/out, 3/8 exh.

04 = 1/2 in/out, 1/2 exh.

06 = 3/4 in/out, 3/4 exh.

Options

A = Metal Muffler (i.e. VL30N03AY)

B = Scissor Lockout (i.e. VL30N03BY)

V L 40 N 06 Y

Threads

N = NPTF

G = G Tap (BSPP)

Port Size

06 = 3/4 in/out, 3/4 exh.

08 = 1 in/out, 1 exh.

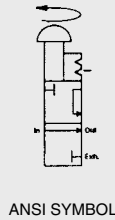
10 = 1 1/4 in/out, 1 exh.

12 = 1 1/2 in/out, 1 exh.

Options

A = Metal Muffler (i.e. VL40N08AY)

B = Scissor Lockout (i.e. VL40N08BY)



Slo-Start™ Lockout Valves VT30/VT40 Series

- Slow start-up
- High exhaust capability
- Detented spool
- Low-friction seals
- Meets OSHA specifications
- Surface mountable

Specifications

Temperature Range: 40°F to 120° F (4.4° C to 46.9° C)

Maximum Pressure: 150 PSIG (10 bar)

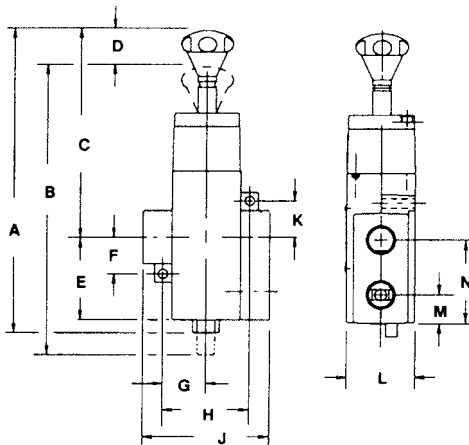
Flow Media: filtered air

Weight: VT30 Series 2.5 lbs (1.13 kg)

VT40 Series 5.0 lbs (2.27 kg)

Cv Ratings

MODEL NUMBER	Cv IN-OUT	Cv OUT-EXH
VT30N03Y	4.8	3.7
VT30N04Y	6.8	5.2
VT30N06Y	8.5	7.5
VT40N06Y	13.5	11.0
VT40N08Y	18.2	14.9
VT40N10Y	19.1	14.9
VT40N12Y	20.3	16.3



Mounting Dimensions

top dimensions = inches
bottom dimensions (in parenthesis) = millimeters

MODEL NUMBER	A	B	C	D	E	F	G
VT30	9.36 (237.7)	8.86 (225)	6.48 (164.6)	0.96 (24.3)	2.38 (60.5)	1.12 (28.6)	1.31 (33.3)
VT40	11.45 (290.8)	10.97 (278.6)	7.82 (198.6)	1.30 (33)	3.13 (79.5)	1.50 (38.1)	1.62 (41.3)

MODEL NUMBER	H	J	K	L	M	N
VT30	2.62 (66.6)	3.76 (95.5)	1.12 (28.6)	2.00 (50.8)	0.75 (19)	2.38 (60.5)
VT40	3.25 (82.6)	4.76 (120.9)	1.50 (38.1)	2.50 (63.5)	1.09 (27.7)	3.13 (79.5)

How To Order

V T 30 N 03 Y

Threads
N = NPTF
G = G Tap (BSPP)

Port Size
03 = 3/8 in/out, 3/8 exh.
04 = 1/2 in/out, 1/2 exh.
06 = 3/4 in/out, 3/4 exh.

Options
A = Metal Muffler (i.e. VT30N03AY)
B = Scissor Lockout (i.e. VT30N03BY)

V T 40 N 06 Y

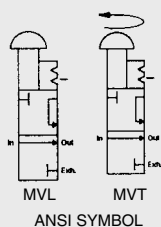
Threads
N = NPTF
G = G Tap (BSPP)

Port Size
06 = 3/4 in/out, 3/4 exh.
08 = 1 in/out, 1 exh.
10 = 1 1/4 in/out, 1 exh.
12 = 1 1/2 in/out, 1 exh.

Options
A = Metal Muffler (i.e. VT40N08AY)
B = Scissor Lockout (i.e. VT40N08BY)



Lockout Valve Series



High Flow Lockout Valves VL52/VT52 Series

- High flow
- High exhaust capability
- Detented spool
- Low-friction startup
- Meets OSHA specifications
- Surface mountable

Specifications

Temperature Range: 40°F to 120° F (4.4° C to 46.9° C)

Maximum Pressure: 150 PSIG (10 bar)

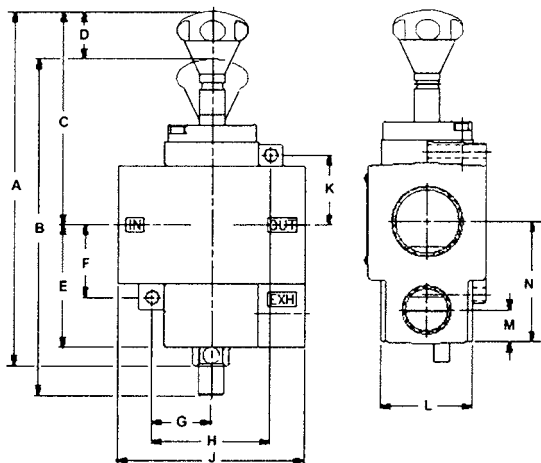
Flow Media: filtered air

Weight: VL52 Series 4.125 lbs (1.87 kg)

VT52 Series 5.5 lbs (2.5 kg)

Cv Ratings

MODEL NUMBER	Cv IN-OUT	Cv OUT-EXH
VL52N12Y	24	16
VL52N16Y	24	16
VT52N12Y	24	16
VT52N16Y	24	16



Mounting Dimensions

top dimensions = inches

bottom dimensions (in parenthesis) = millimeters

MODEL NUMBER	A	B	C	D	E	F	G
VL52	9.77 (248.2)	9.27 (235.5)	5.90 (149.9)	1.32 (33.5)	3.38 (85.9)	2.00 (50.8)	1.63 (41.4)
VT52	11.47 (291.3)	10.97 (278.6)	7.59 (192.8)	1.32 (33.5)	3.38 (85.9)	2.00 (50.8)	1.63 (41.4)

MODEL NUMBER	H	J	K	L	M	N
VL52	3.24 (82.3)	5.13 (130.3)	1.92 (48.8)	2.50 (63.5)	0.88 (22.4)	3.31 (84.1)
VT52	3.24 (82.3)	5.13 (130.3)	1.92 (48.8)	2.50 (63.5)	0.88 (22.4)	3.31 (84.1)

How To Order

V L 52 N 12 Y

Model

L = Standard

T = Slo-Start™ Feature

Threads

N = NPTF

G = G Tap (BSPP)

Port Size

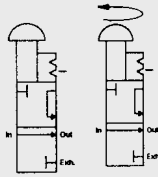
12 = 1 1/2"

16 = 2"

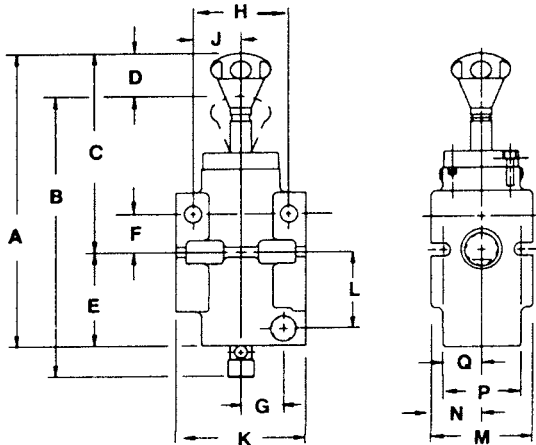
Options

A = Metal Muffler (i.e. VL52N12AY)

B = Scissor Lockout (i.e. VL52N12BY)



ANSI SYMBOL



Mounting Dimensions

top dimensions = inches
bottom dimensions (in parenthesis) = millimeters

MODEL NUMBER	A	B	C	D	E	F	G	H
MVL30	7.54 (191.5)	7.54 (191.5)	5.16 (131)	0.96 (24.3)	2.38 (60.5)	0.85 (21.6)	1.06 (26.9)	2.50 (63.5)
MVT30	8.86 (225)	8.86 (225)	6.48 (164.6)	0.96 (24.3)	2.38 (60.5)	0.85 (21.6)	1.06 (26.9)	2.50 (63.5)
MVL42	9.26 (235)	8.44 (214)	6.13 (156)	0.48 (12)	3.13 (80)	1.10 (28)	-	3.26 (83.5)
MVT42	10.98 (279)	10.14 (258)	7.82 (199)	0.48 (12)	3.13 (80)	1.10 (28)	-	3.26 (83.5)

MODEL NUMBER	J	K	L	M	N	P	Q
MVL30	1.25 (31.8)	3.20 (81.3)	1.86 (47.2)	2.68 (68)	1.34 (34)	2.00 (50.8)	1.00 (25.4)
MVT30	1.25 (31.8)	3.20 (81.3)	1.86 (47.2)	2.68 (68)	1.34 (34)	2.00 (50.8)	1.00 (25.4)
MVL42	1.63 (41)	4.00 (102)	2.04 (52)	4.00 (102)	2.00 (51)	3.20 (81)	1.60 (41)
MVT42	1.63 (41)	4.00 (102)	2.04 (52)	4.00 (102)	2.00 (51)	3.20 (81)	1.60 (41)

Repair Kits

Lockout Valves

► Lockout Valve O-Ring Replacement Kits

includes 1 o-ring (3 needed for each lockout)

kit#	description
126-323	for VL30 and VT30 Series
126-324	for VL40 and VT40 Series
126-323	for MVL30, MVT30, MVL42, and MVT42 Series
126-324	for VL52 and VT52 Series

Each kit contains one o-ring, however, a lockout valve contains 3 o-rings total. To replace all o-rings in a lockout, 3 kits are needed.

Modular Lockout Valves

MVL30/MVL42/MVT30/MVT42 Series

- High exhaust capability
- Detented spool
- Low-friction startup
- Meets OSHA specifications
- Modular adaptable to Numatics **FLEXIBLOK®** 32 3/4 Series and 42 Series Products

Specifications

Temperature Range: 40°F to 120° F (4.4° C to 46.9° C)
Maximum Pressure: 150 PSIG (10 bar) (30 Series)
250 PSIG (17 bar) (42 Series Only)

Flow Media: filtered air

Weight: MVL30 Series 2.1 lbs (.95 kg)
MVT30 Series 4.4 lbs (2 kg)
MVL42 Series: 4.95lbs (2.25 kg)
MVT42 Series: 5.5 lbs (2.5 kg)

Cv Ratings

MODEL NUMBER	Cv IN-OUT	Cv OUT-EXH
MVL30N06Y	6.0	5.0
MVT30N06Y	6.0	5.0
MVL42N06Y	11.5	9.0
MVL42N08Y	12.5	10.0
MVT42N06Y	11.5	9.0
MVT42N08Y	12.5	10.0

How To Order

M V T 30 N 06 Y

Model
L = Standard
T = Slo-Start™ Feature

Series
30
42

Threads
N = NPTF
G = G Tap (BSPP)
R = PT (BSPT) (42 Series Only)

Port Size
06 = 3/4
08 = 1 (42 Series Only)

Options

A = Metal Muffler (i.e. MVL30N06AY)
B = Scissor Lockout (i.e. MVT30N06BY)

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