

Models

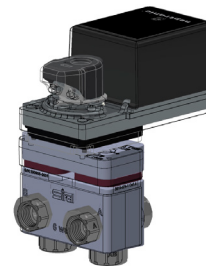
B6Axxx-xxx: 6-way, 1/2"(DN15), female NPT

B6Bxxx-xxx: 6-way, 3/4"(DN20), female NPT

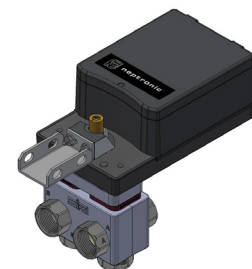
B6Cxxx-xxx: 6-way, 1"(DN25), female NPT

Features

- 6-way valves available in 1/2"(DN15), 3/4"(DN20), and 1"(DN25)
- Compatible with B series (50 in.lb [5.6 Nm]), L series (140 in.lb [16Nm]) and S series (70 in.lb [8 Nm]) actuators
- Ideal applications such as chilled beam, fan coil, radiant heating and unit ventilators
- Small dimensions allow for easier installation
- Bubble tight zero leakage
- Equal percentage
- Cv range from 0.3 to 19 (Kv 0.26 to 16)
- Control signal option is modulating (proportional)



With B Series Actuators



With L Series Actuators

Models

Size	3-Way Models	Cv	Cv (Seq 2)	Kv	Kv (Seq 2)
1/2" (DN15)	B6A003-003	0.3	0.3	0.26	0.26
	B6A003-004	0.3	0.46	0.26	0.4
	B6A003-008	0.3	0.8	0.26	0.7
	B6A003-012	0.3	1.2	0.26	1
	B6A003-019	0.3	1.9	0.26	1.6
	B6A004-003	0.46	0.3	0.4	0.26
	B6A004-004	0.46	0.46	0.4	0.4
	B6A004-008	0.46	0.8	0.4	0.7
	B6A004-012	0.46	1.2	0.4	1
	B6A004-019	0.46	1.9	0.4	1.6
	B6A008-003	0.8	0.3	0.7	0.26
	B6A008-004	0.8	0.46	0.7	0.4
	B6A008-008	0.8	0.8	0.7	0.7
	B6A008-012	0.8	1.2	0.7	1
	B6A008-019	0.8	1.9	0.7	1.6
	B6A012-003	1.2	0.3	1	0.26
	B6A012-004	1.2	0.46	1	0.4

Size	3-Way Models	Cv	Cv (Seq 2)	Kv	Kv (Seq 2)
1/2" (DN15)	B6A012-008	1.2	0.8	1	0.7
	B6A012-012	1.2	1.2	1	1
	B6A012-019	1.2	1.9	1	1.6
	B6A019-003	1.9	0.3	1.6	0.26
	B6A019-004	1.9	0.46	1.6	0.4
	B6A019-008	1.9	0.8	1.6	0.7
	B6A019-012	1.9	1.2	1.6	1
	B6A019-019	1.9	1.9	1.6	1.6
	B6A030-004	3	0.46	2.6	0.4
	B6A030-008	3	0.8	2.6	0.7
	B6A030-012	3	1.2	2.6	1
	B6A030-019	3	1.9	2.6	1.6
	B6A030-047	3	4.7	2.6	4
	B6A030-074	3	7.4	2.6	6.4
	B6A047-047	4.7	4.7	4	4
	B6A047-074	4.7	7.4	4	6.4
	B6A074-074	7.4	7.4	6.4	6.4

Models (Continued)

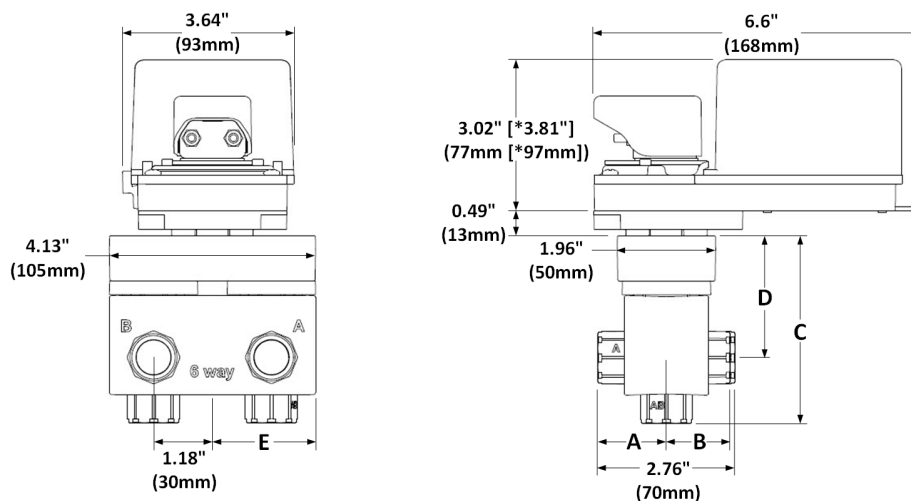
Size	3-Way Models	Cv	Cv (Seq 2)	Kv	Kv (Seq 2)	Size	3-Way Models	Cv	Cv (Seq 2)	Kv	Kv (Seq 2)
3/4" (DN20)	B6B047-047	4.7	4.7	4	4	1" (DN25)	B6C074-074	7.4	7.4	6.4	6.4
	B6B047-074	4.7	7.4	4	6.4		B6C074-100	7.4	10	6.4	8.6
	B6B047-100	4.7	10	4	8.6		B6C074-190	7.4	19	6.4	16
	B6B047-140	4.7	14	4	12		B6C100-074	10	7.4	8.6	6.4
	B6B074-047	7.4	4.7	6.4	4		B6C100-100	10	10	8.6	8.6
	B6B074-074	7.4	7.4	6.4	6.4		B6C100-190	10	19	8.6	16
	B6B074-100	7.4	10	6.4	8.6		B6C190-074	19	7.4	16	6.4
	B6B074-140	7.4	14	6.4	12		B6C190-100	19	10	16	8.6
	B6B100-047	10	4.7	8.6	4		B6C190-190	19	19	16	16
	B6B100-074	10	7.4	8.6	6.4						
	B6B100-100	10	10	8.6	8.6						
	B6B100-140	10	14	8.6	12						
	B6B140-047	14	4.7	12	4						
	B6B140-074	14	7.4	12	6.4						
	B6B140-100	14	10	12	8.6						
	B6B140-140	14	14	12	12						

Technical Data

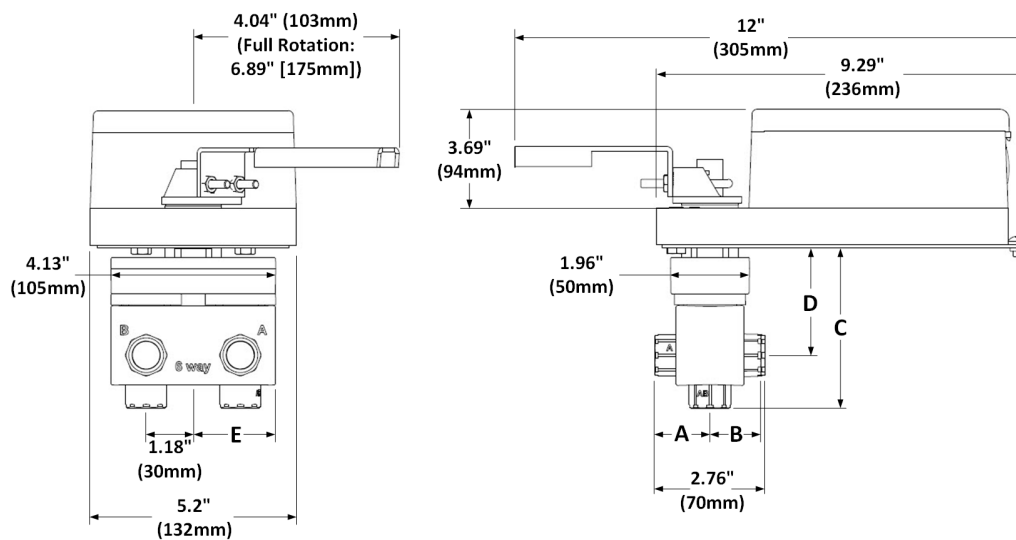
Specification		All Models
Actuator Compatibility		All Neptronic B, L and S series actuators
Sizes		1/2" to 1" [DN15 to DN25]
Range Cv [Kv]		0.3 to 19 [0.26 to 16]
Media Type		Water, Glycol 60%
Media Temperature Range		0°F to 212°F [-18°C to 100°C]
Pressure	Body	600 psi [4137 kPa]
	Close-Off	200 psi [1379 kPa]
	Differential	50 psi [345 kPa]
Leakage		0%
Materials	Body	Nickle-Plated Forged Brass
	Ball and Stem	Stainless-Steel
	Seats	PTFE
	Characterized Disc	Brass Characterized
	Stem O-Rings	EPDM
Flow Characteristic	6-Way	Equal Percentage
	6-Way	Equal Percentage
Flow Pattern		6-Way Diverting
Rangeability		100:1
Valve	Connection	EPDM

Dimensions

Mounted on B Series Actuators

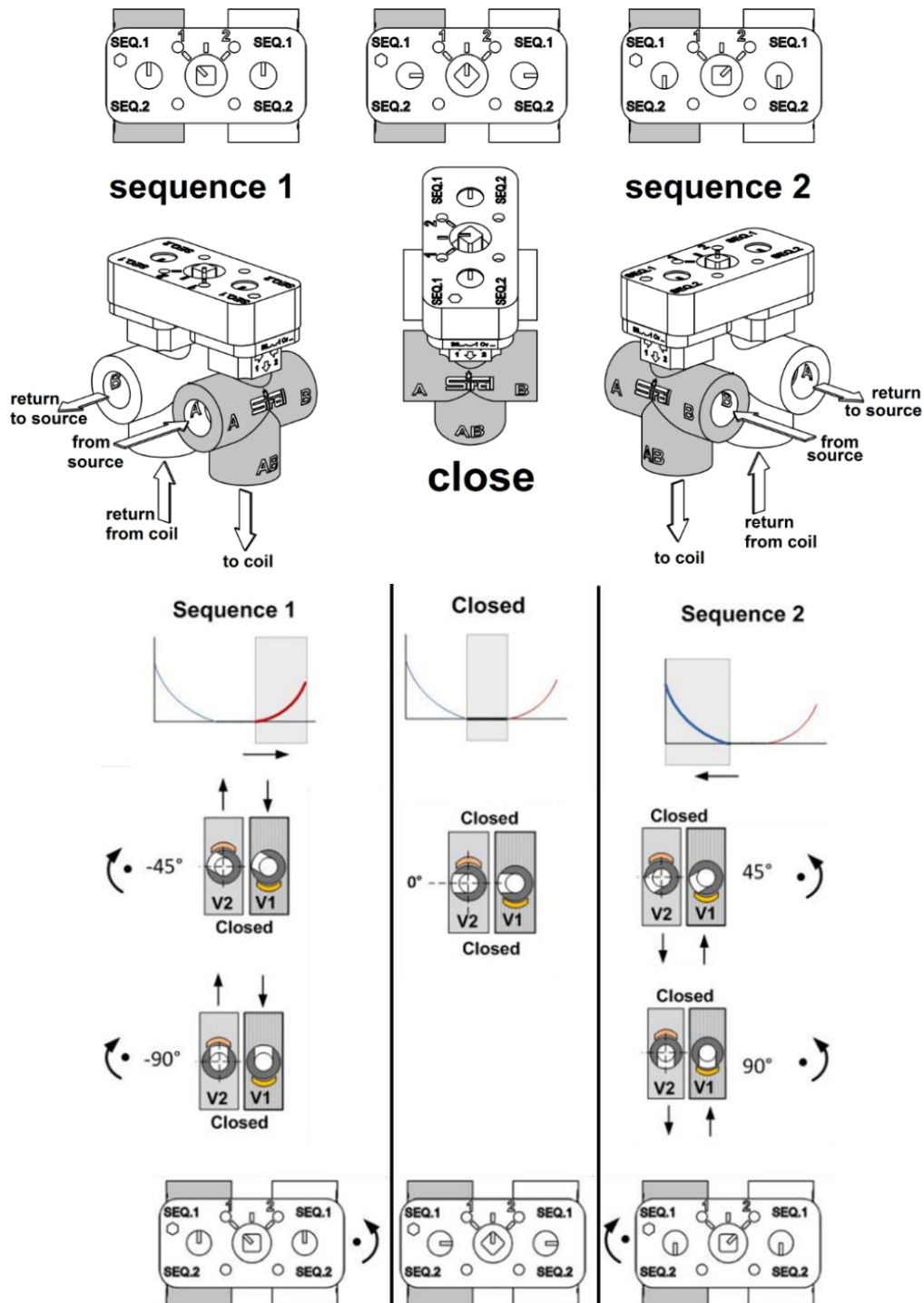


Mounted on L Series Actuators



Valve Size	1/2" [DN15]	3/4" [DN20]	1" [DN25]
A	1.38" [35mm]	1.53" [39mm]	1.89" [48mm]
B	1.28" [33mm]	1.48" [38mm]	1.89" [48mm]
C	3.76" [96mm]	4.09" [104mm]	4.66" [119mm]
D	2.44" [62mm]	2.60" [66mm]	2.78" [71mm]
E	2.07" [53mm]	2.07" [53mm]	2.13" [54mm]

Mechanical Installation (Flow Pattern 6-Way)



Both valves rotate in the same direction at the same time.
Valve 1 (V1) has a disc oriented for CCW opening rotation.
Valve 2 (V2) has a disc oriented for CW opening rotation.
Each Cv/Kv has a Valve 1 and a Valve 2 version.



Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult www.neptronic.com.