



# SERIES V - 24VDC

MODULATING BELIMO DAMPER ELECTRIC ACTUATORS  
1" - 6" HIGH PERFORMANCE SEGMENTED BALL VALVES

## SERIES V BALL VALVE

**SERVICE:** Chilled/Hot Water - 50% Glycol  
Steam: 125 psi

**FLOW CHARACTERISTIC:** Equal %

**SIZES:** 1" - 6"

**BODY:** Carbon Steel / Stainless Steel Optional

**BALL:** 316SS

**SHAFT:** 304SS

**SEAT:** TFM 1700

**O-RING:** VITON

**BEARING:** PEEK

**TEMPERATURE RANGE:** -10°F to 450°F

**CLOSE OFF:** 250PSI

**END CONNECTIONS:**

1" - 2" : NPT/Wafer ANSI 150/300

3" - 6" : ANSI 150 Flanged or ANSI 300 Flanged

## DAMPER ACTUATORS

**NEMA 2 PROTECTION**

**POWER SUPPLY:** 24VAC ± 20% 50/60Hz  
24VDC ± 10%

**TEMPERATURE RANGE:** -5°F to +125°F

**RUNTIME:** 75 to 150 sec

### POWER CONSUMPTION

**LMB24-SR:** 3VA / 1.5W

**NFB24-SR:** 6VA / 3.5W

**NMB24-SR:** 5VA / 2.5W

**AFB24-SR:** 8.5VA / 5.5W

**AMB24-SR:** 5VA / 2.5W

**EFB24-SR:** 14VA / 8W

**GMB24-SR:** 6.5VA / 4.5W

**EFX24-MFT:** 16VA / 9.5W

**GKX24-MFT:** 21VA / 12W

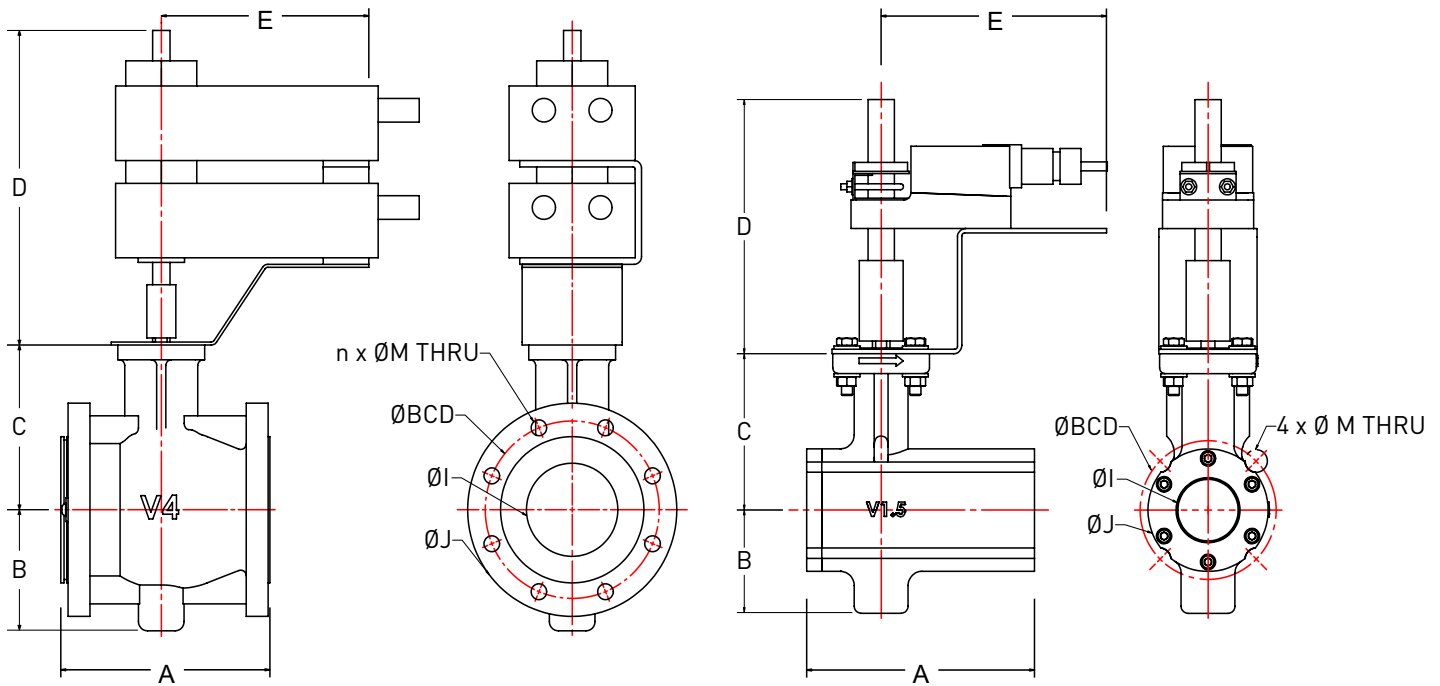
### POWER CONNECTION

1/2" CONDUIT TO 3' CABLE (18 GA)



MODULATING NON-SPRING RETURN ACTUATORS					
INCH	DN(MM)	BODY	Cv 75°	Cv 90°	VSI PN
1"	25	150/300	24	31	V-1/LMB24-SR
1.5"	40	150/300	55	73	V-1.5/NMB24-SR
2"	50	150/300	77	96	V-2/AMB24-SR
3"	80	150	207	270	V-3/GMB24-SR
4"	100	150	350	529	V-4/GMB24-SRX2
6"	150	150	507	850	V-6/GMB24-SRX2
MODULATING SPRING RETURN ACTUATORS					
1"	25	150/300	24	31	V-1/NFB24-SR
1.5"	40	150/300	55	73	V-1.5/NFB24-SR
2"	50	150/300	77	96	V-2/AFB24-SR
3"	80	150	207	270	V-3/EFB24-SR
4"	100	150	350	529	V-4/EFX24-MFTX2
6"	150	150	507	850	V-6/GKX24-MFTX2

### DIMENSIONAL INFORMATION



3", 4" & 6" VALVES

1", 1.5" & 2" VALVES

LINKAGE PROVIDES THERMAL BREAK

DIMENSIONS: MM (INCHES)

VALVE SIZE		ACTUATOR	A	B	C	D	E	I	J	BCD	n x M
INCH	DN										
<b>NON-SPRING RETURN ACTUATORS</b>											
1	25	LMB24-SR	127 (5)	65 (2.56)	101 (3.98)	177.8 [7]	165.1 [6.5]	1" NPT	Ø70 (2.76)	Ø79.5 (3.13)	4 x 16
1.5	40	NMB24-SR	165 (6.5)	73.2 (2.88)	166.8 (6.57)	177.8 [7]	165.1 [6.5]	1.5" NPT	Ø87 (3.43)	Ø98.5 (3.88)	4 x 16
2	50	AMB24-SR	178 (7)	91.5 (3.6)	128.5 (5.06)	177.8 [7]	165.1 [6.5]	2" NPT	Ø101 (3.98)	Ø127 (5)	4 x 19
3	80	GMB24-SR	203 (8)	110 (4.33)	152 (5.98)	177.8 [7]	234.95 [9.25]	Ø75 (2.95)	Ø190.5 (7.5)	Ø152.4 (6)	4 x ¼"
4	100	GMB24-SRX2	229 (9)	130 (5.12)	177 (6.97)	285.75 [11.25]	234.95 [9.25]	Ø100 (3.94)	Ø229 (9)	Ø190.5 (7.5)	8 x ¼"
6	150	GMB24-SRX2	266.5 (10.5)	152.5 (6)	202.7 (7.98)	285.75 [11.25]	234.95 [9.25]	Ø154 (6.06)	Ø279 (11)	Ø241.3 (9.5)	8 x ⅝"
<b>SPRING RETURN ACTUATORS</b>											
1	25	NFB24-SR	127 (5)	65 (2.56)	101 (3.98)	177.8 [7]	165.1 [6.5]	1" NPT	Ø70 (2.76)	Ø79.5 (3.13)	4 x 16
1.5	40	NFB24-SR	165 (6.5)	73.2 (2.88)	166.8 (6.57)	177.8 [7]	165.1 [6.5]	1.5" NPT	Ø87 (3.43)	Ø98.5 (3.88)	4 x 16
2	50	AFB24-SR	178 (7)	91.5 (3.6)	128.5 (5.06)	177.8 [7]	234.95 [9.25]	2" NPT	Ø101 (3.98)	Ø127 (5)	4 x 19
3	80	EFB24-SR	203 (8)	110 (4.33)	152 (5.98)	203.2 [8]	237.5 [9.35]	Ø75 (2.95)	Ø190.5 (7.5)	Ø152.4 (6)	4 x ¼"
4	100	EFX24-MFTX2	229 (9)	130 (5.12)	177 (6.97)	342.9 [13.5]	237.5 [9.35]	Ø100 (3.94)	Ø229 (9)	Ø190.5 (7.5)	8 x ¼"
6	150	GKX24-MFTX2	266.5 (10.5)	152.5 (6)	202.7 (7.98)	285.75 [11.25]	234.95 [9.25]	Ø154 (6.06)	Ø279 (11)	Ø241.3 (9.5)	8 x ⅝"