



BALL VALVE - 24V DCA

MODULATING BELIMO DAMPER ELECTRIC ACTUATORS
1/2" - 2" BRASS BODY, 2-WAY BALL VALVES

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MODULATING DAMPER ACTUATORS

BODY RATING: ANSI 250/600 WOG
STATIC PRESSURE: 360 psi
CLOSE-OFF PRESSURE: 200 psi
BODY: FORGED BRASS ASTM B283
END CONNECTIONS: FEMALE NPT
BALL: CHROME-PLATED BRASS OR STAINLESS STEEL
STEM: BRASS OR STAINLESS STEEL
BALL SEALS: REINFORCED PTFE SEALS
 WITH EPDM O-RINGS
FLOW CHARACTERISTIC: EQUAL PERCENTAGE
FLOW CHARACTERIZER: GLASS FILLED PTFE
LEAKAGE RATE: CLASS IV
CONTROLLED MEDIUM: WATER,
 50% WATER-GLYCOL SOLUTIONS
MEDIUM TEMP RANGE: 35°F to 250°F (-7°C to 120°C)
1 1/2" to 2": 35°F to 230°F (-7°C to 110°C)

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

TFB24-SR: 4VA / 2W

NMB24-3: 5VA / 2.5W

LF24-SR: 5VA / 2.5W

NFB24-SR: 6VA / 3.5W

POWER CONNECTION

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



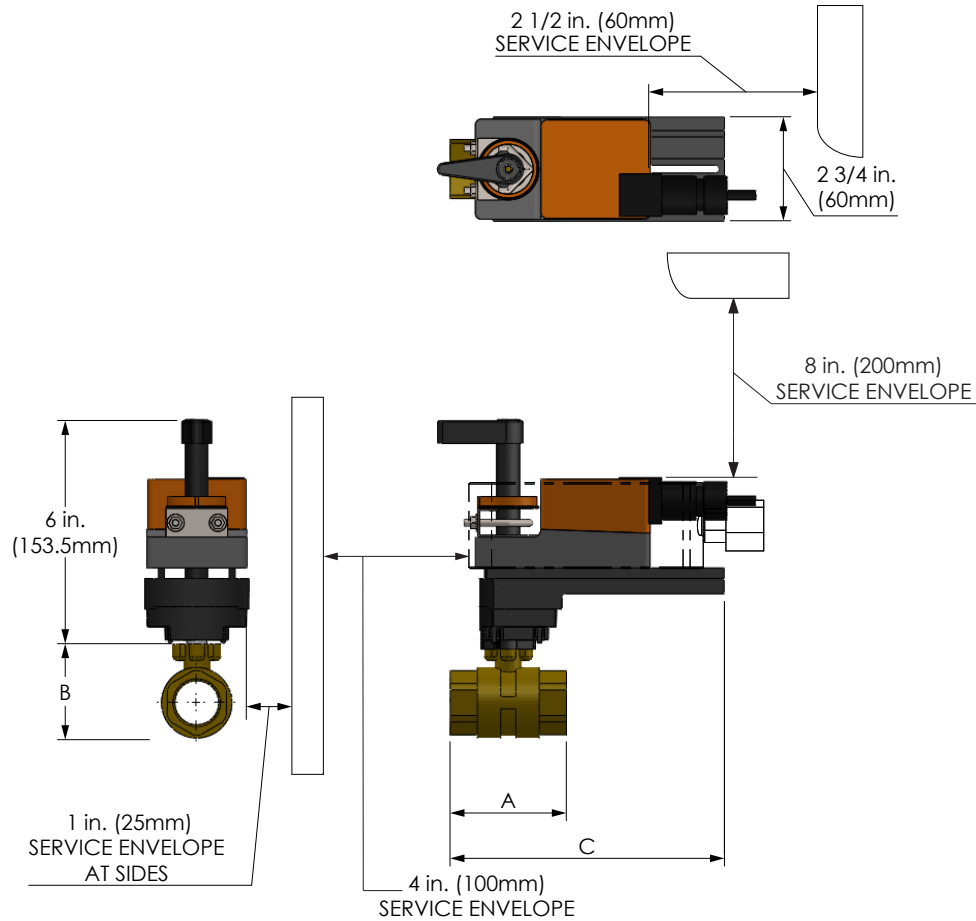
VALVE INFORMATION			NON-SPRING RETURN		SPRING RETURN		
SIZE	MODEL #	Cv	LMB24-SR	NMB24-SR	TFB24-SR	LF24-SR	NFB24-SR
0.5"	599-10300(S)	0.4					
	599-10301(S)	0.63					
	599-10302(S)	1.0					
	599-10303(S)	1.6					
	599-10304(S)	2.5					
	599-10305(S)	4.0					
	599-10306(S)	6.3					
	599-10307(S)*	10					
0.75"	599-10308(S)	6.3					
	599-10309(S)	10					
	599-10310(S)	16					
	599-10311(S)*	25					
1"	599-10312(S)	10					
	599-10313(S)	16					
	599-10314(S)	25					
	599-10315(S)	40					
	599-10316(S)*	63					
1.25"	599-10317(S)	16					
	599-10318(S)	25					
	599-10319(S)	40					
	599-10320(S)	63					
	599-10321(S)*	100					
1.5"	599-10322(S)	25					
	599-10323(S)	40					
	599-10324(S)*	63					
	599-10325(S)	100					
	599-10326(S)*	160					
2"	599-10327(S)	40					
	599-10328(S)	63					
	599-10329(S)*	100					
	599-10330(S)*	160					

* DENOTES A FULL PORT VALVE WITHOUT FLOW OPTIMIZER INSERT.
 (S) DENOTES STAINLESS STEEL TRIM AND BALL.



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Dimensions

VALVE SIZE	MODEL	Cv	A	C	B
1/2" (15)	599-10300(S) through 599-10307(S)	0.4 to 10.0	2 7/16 (61)	6 7/8 (174.5)	1 5/7 (43)
3/4" (20)	599-10308(S) through 599-10311(S)	6.3 to 25	2 3/4 (70)	7 1/16 (179)	2 1/8 (54)
1" (25)	599-10312(S)	10	3 (77)	7 3/16 (182.5)	2 1/8 (54)
	599-10313(S)	16			
	599-10314(S) 599-10315(S)	40 63	3 1/4 (82)	7 5/16 (185)	2 7/16 (62)
	599-10316(S)	25	3 7/8 (98)	7 5/8 (193)	2 7/8 (73)
1 1/4" (32)	599-10317(S)	16	3 3/8 (86)	7 3/8 (187)	2 1/2 (64)
	599-10318(S) through 599-10321(S)	25 to 100	3 11/16 (94)	7 1/2 (191)	2 7/8 (73)
	599-10322(S) 599-10324(S)	25 63	3 5/8 (92)	7 1/2 (190)	2 7/8 (73)
1 1/2" (40)	599-10323(S) 599-10325(S) 599-10326(S)	40 100 160	3 15/16 (100)	7 5/8 (194)	3 3/8 (85)
	599-10327(S) 599-10329(S)	40 100	4 (102)	7 11/16 (195)	3 1/2 (88)
	599-10328(S) 599-10330(S)	63 160	4 5/8 (118)	8 (203)	4 1/8 (105)

Inch (mm)