



BALL VALVE - 24V DCA

MODULATING BELIMO DAMPER ELECTRIC ACTUATORS
1/2" - 2" BRASS BODY, 3-WAY BALL VALVES

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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)



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

TFB24-SR: 4VA / 2W

NMB24-SR: 5VA / 2.5W

LF24-SR: 5VA / 2.5W

NFB24-SR: 6VA / 3.5W

POWER CONNECTION

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

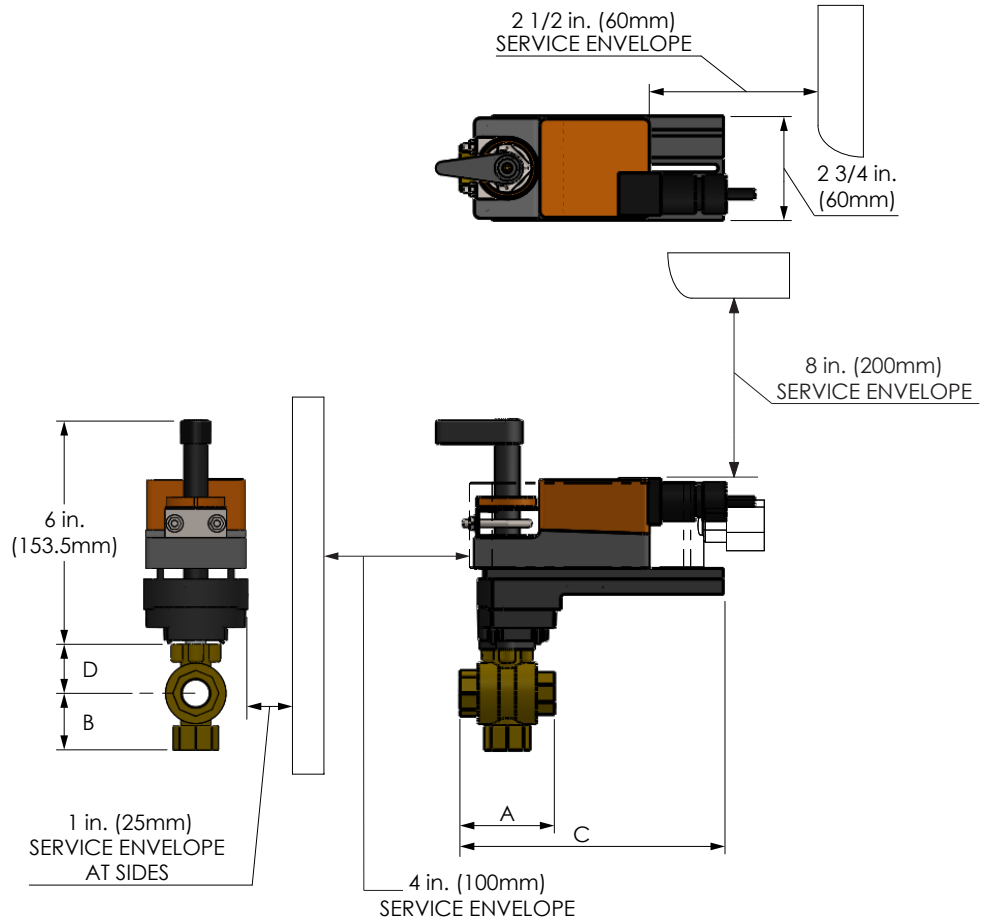
VALVE INFORMATION			NON-SPRING RETURN		SPRING RETURN		
SIZE	MODEL #	Cv	LMB24-SR	NMB24-SR	TFB24-SR	LF24-SR	NFB24-SR
0.5"	599-10350(S)	0.4					
	599-10351(S)	0.63					
	599-10352(S)	1.0					
	599-10353(S)	1.6					
	599-10354(S)	2.5					
	599-10355(S)	4					
	599-10356(S)	6.3					
	599-10357(S)*	10					
0.75"	599-10358(S)	6.3					
	599-10359(S)	10					
	599-10360(S)*	16					
1"	599-10361(S)	10					
	599-10362(S)	16					
	599-10363(S)*	25					
1.25"	599-10364(S)	16					
	599-10365(S)	25					
	599-10366(S)*	40					
1.5"	599-10367(S)	25					
	599-10368(S)	40					
	599-10369(S)*	63					
2"	599-10370(S)	40					
	599-10371(S)	63					
	599-10372(S)	100					

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



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Dimensions

VALVE SIZE	MODEL	A	B	C	D
1/2" (15)	599-10350(S) through 599-10357(S)	2 9/16 (65)	1 3/8 (35)	7 (178)	1 1/2 (38)
3/4" (20)	599-10358(S)	2 3/4 (70)	1 3/8 (35)	7 (178)	1 1/2 (38)
	599-10359(S) 599-10360(S)	3 1/8 (79)	1 11/16 (43)	7 3/16 (183)	
1" (25)	599-10361(S)	3 1/4 (83)	1 11/16 (43)	7 1/4 (185)	2 (50)
	599-10362(S) 599-10363(S)	3 13/16 (77)	2 (51)		2 1/4 (57)
	599-10364(S) 599-10365(S)	3 5/8 (92)	2 1/8 (54)		7 7/16 (189)
1 1/4" (30)	599-10366(S)	3 15/16 (100)	2 5/16 (59)	7 5/8 (193)	
1 1/2" (40)	599-10367(S)	3 15/16	2 5/16	7 5/8	2 1/4
	599-10368(S)	(100)	(59)	(193)	(57)
	599-10369(S)	4 5/8 (117)	2 13/16 (71)	8 (202)	2 11/16 (69)
2" (50)	599-10370(S)	4 5/8 (117)	2 7/8	8 (202)	2 11/16 (69)
	599-10371(S)		(73)		4
	599-10372(S)				(101)

Inch (mm)