



# BALL VALVE - 24V DCA

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

## 2-WAY BALL VALVES

**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)



## 2 POSITION 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

**LMB24-3:** 3VA / 1.5W  
**NMB24-3:** 5VA / 2.5W  
**TFB24:** 5VA / 2W  
**LF24:** 5VA / 2.5W  
**NFB24:** 6VA / 3.5W

### POWER CONNECTION

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

VALVE INFORMATION			NON-SPRING RETURN		SPRING RETURN		
SIZE	MODEL #	Cv	LMB24-3	NMB24-3	TFB24	LF24	NFB24
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					

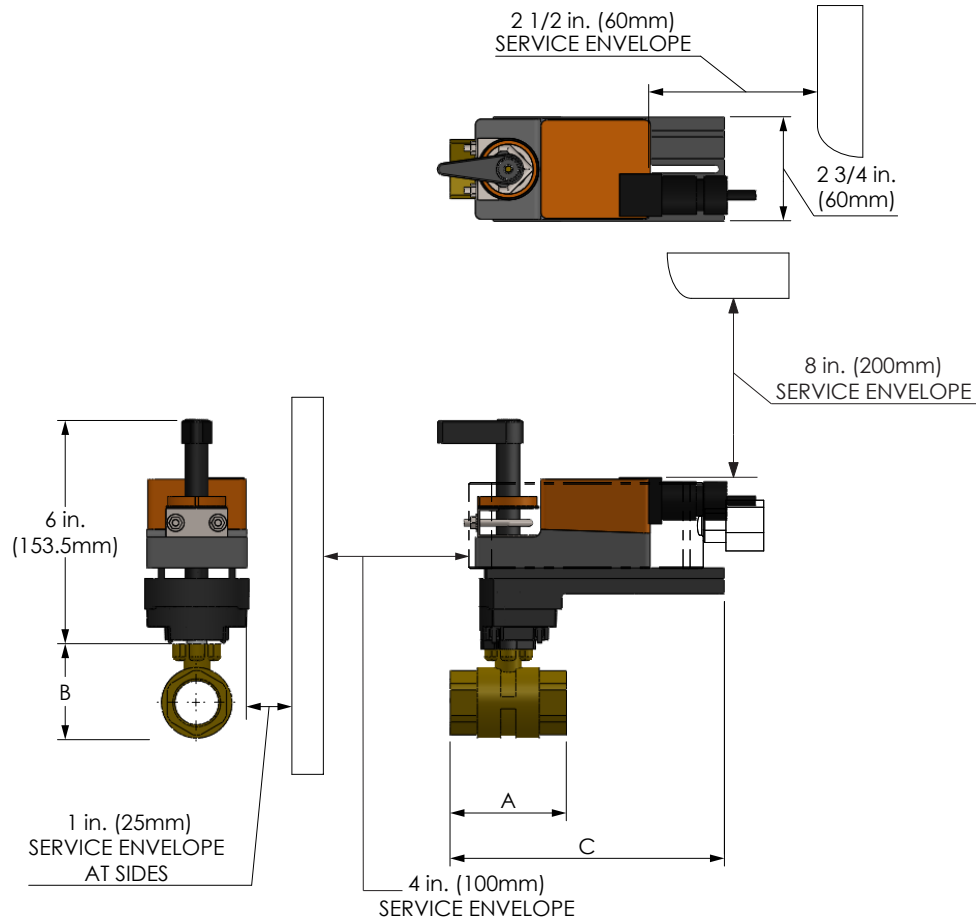
\* DENOTES A FULL PORT VALVE WITHOUT FLOW OPTIMIZER INSERT.  
 (S) DENOTES STAINLESS STEEL TRIM AND BALL.



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## 2 POSITION/FLOATING BELIMO DAMPER ELECTRIC ACTUATORS

### 1/2" - 2" BRASS BODY, 2-WAY BALL VALVES



### 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)