



BALL VALVE - 24V DCA

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

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BODY RATING: ANSI 250/600 WOG
STATIC PRESSURE: 360 psi
TEMPERATURE: 250°F
CLOSE-OFF PRESSURE: 200 psi
BODY: FORGED BRASS ASTM B283-06
END CONNECTIONS: FEMALE NPT
BALL: CHROME-PLATED BRASS OR STAINLESS STEEL
STEM: BRASS OR STAINLESS STEEL
STEM SEALS: DUAL TEFLON SEALS AND EPDM O-RING
BALL SEALS: TEFLON SEALS WITH EPDM O-RINGS
FLOW CHARACTERISTIC: EQUAL PERCENTAGE
FLOW CHARACTERIZER: GLASS FILLED POLYMER
LEAKAGE RATE: CLASS IV
CONTROLLED MEDIUM: CHILLED WATER, HOT WATER,
 50% WATER-GLYCOL SOLUTIONS



VALVE INFORMATION			NON-SPRING RETURN	SPRING RETURN
SIZE	MODEL #	Cv	NMB24-SR	NFB24-SR
2"	UR2F1FB(S)	41.7		
	UR2F2FB(S)*	108.0		
	UR2F3FB(S)	71.1		
	UR2F4FB(S)*	266		
	UR2F5FB(S)	57.0		
	UR2F6FB(S)	100.0		
	UR2F7FB(S)	210		

MODULATING 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

NMB24-3: 5VA / 2.5W

LF24-SR: 5VA / 2.5W

NFB24-SR: 6VA / 3.5W

POWER CONNECTION

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

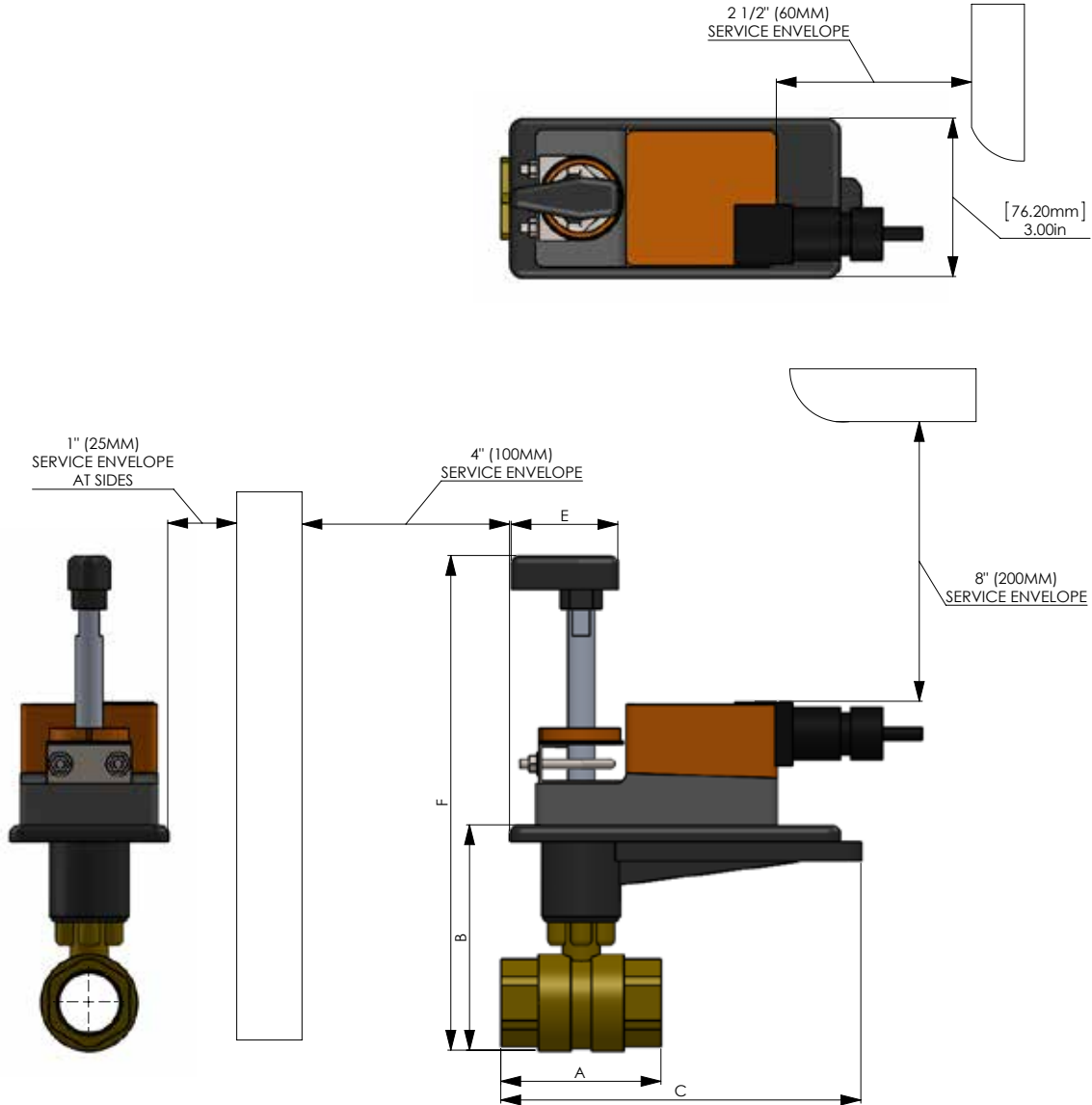
VALVE INFORMATION			NON-SPRING RETURN	SPRING RETURN	
SIZE	MODEL #	Cv	LMB24-SR	TFB24-SR	LF24-SR
1/2"	UR2A1FB(S)	0.38			
	UR2A2FB(S)	0.68			
	UR2A3FB(S)	1.3			
	UR2A4FB(S)	2.6			
	UR2A5FB(S)	4.7			
	UR2A6FB(S)	11.7			
	UR2A7FB(S)*	8.0			
3/4"	UR2B1FB(S)	2.5			
	UR2B2FB(S)	4.3			
	UR2B3FB(S)*	14.7			
	UR2B4FB(S)	10.1			
	UR2B5FB(S)*	28.6			
	UR2B6FB(S)	0.31			
	UR2B7FB(S)	0.63			
	UR2B8FB(S)	1.2			
1"	UR2C1FB(S)	9.0			
	UR2C2FB(S)*	28.4			
	UR2C3FB(S)	15.3			
	UR2C4FB(S)*	54.2			
	UR2C5FB(S)	26.1			
	UR2C6FB(S)	43.9			
	UR2C7FB(S)	4.4			
1 1/4"	UR2D1FB(S)	14.9			
	UR2D2FB(S)*	41.1			
	UR2D3FB(S)	36.5			
	UR2D4FB(S)*	102.3			
	UR2D5FB(S)	4.4			
	UR2D6FB(S)	8.3			
1 1/2"	UR2E1FB(S)	22.8			
	UR2E2FB(S)*	73.9			
	UR2E3FB(S)	41.3			
	UR2E4FB(S)	171.7			

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



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



Dimensions

VALVE SIZE	MODEL	MODEL (Cv)	A	B	C	E	F
1/2" (15)	UR2A_	1(0.38), 2(0.68), 3(1.3), 4(2.6), 5(4.7), 6(11.7)	2.37	3.78	6.65	2.02	8.32
		7(8.0)	2.67	4.10			8.62
3/4" (20)	UR2B_	1(2.5), 2(4.3), 3(14.7), 6(0.31), 7(0.63), 8(1.2)	2.41	3.7	6.65	2.02	8.62
		4(10.1), 5(28.6)	2.76	4.05			
1" (25)	UR2C_	1(9.0), 2(28.4)	2.76	4.10	6.65	2.02	8.64
		3(15.3), 4(54.2), 7(4.4)	3.04	4.39			8.96
		5(26.1), 6(43.9)	4.29	4.87			9.45
1 1/4" (32)	UR2D_	1(14.9), 2(41.1), 5(4.4), 6(8.3)	3.01	4.49	6.71	2.02	9.02
		3(36.5), 4(102.3)	3.62	4.87			9.45
1 1/2" (40)	UR2E_	1(22.8), 2(73.9)	3.43	4.87	6.96	2.02	9.45
		3(41.3), 4(171.7)	4.06	5.44			10.02
2" (50)	UR2F_	1(41.7), 2(108.0)	3.98	5.44	7.21	2.02	10.02
		3(71.1), 4(266), 5(57.0), 6(100.0), 7(210)	4.90	6.06			10.65

Inch (mm)