



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
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"	UR3FAFB(S)	23.9		
	UR3FBFB(S)	56.7		
	UR3FCFB(S)	38.2		
	UR3FDFB(S)	108.5		
	UR3FEFB(S)	82.6		

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

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

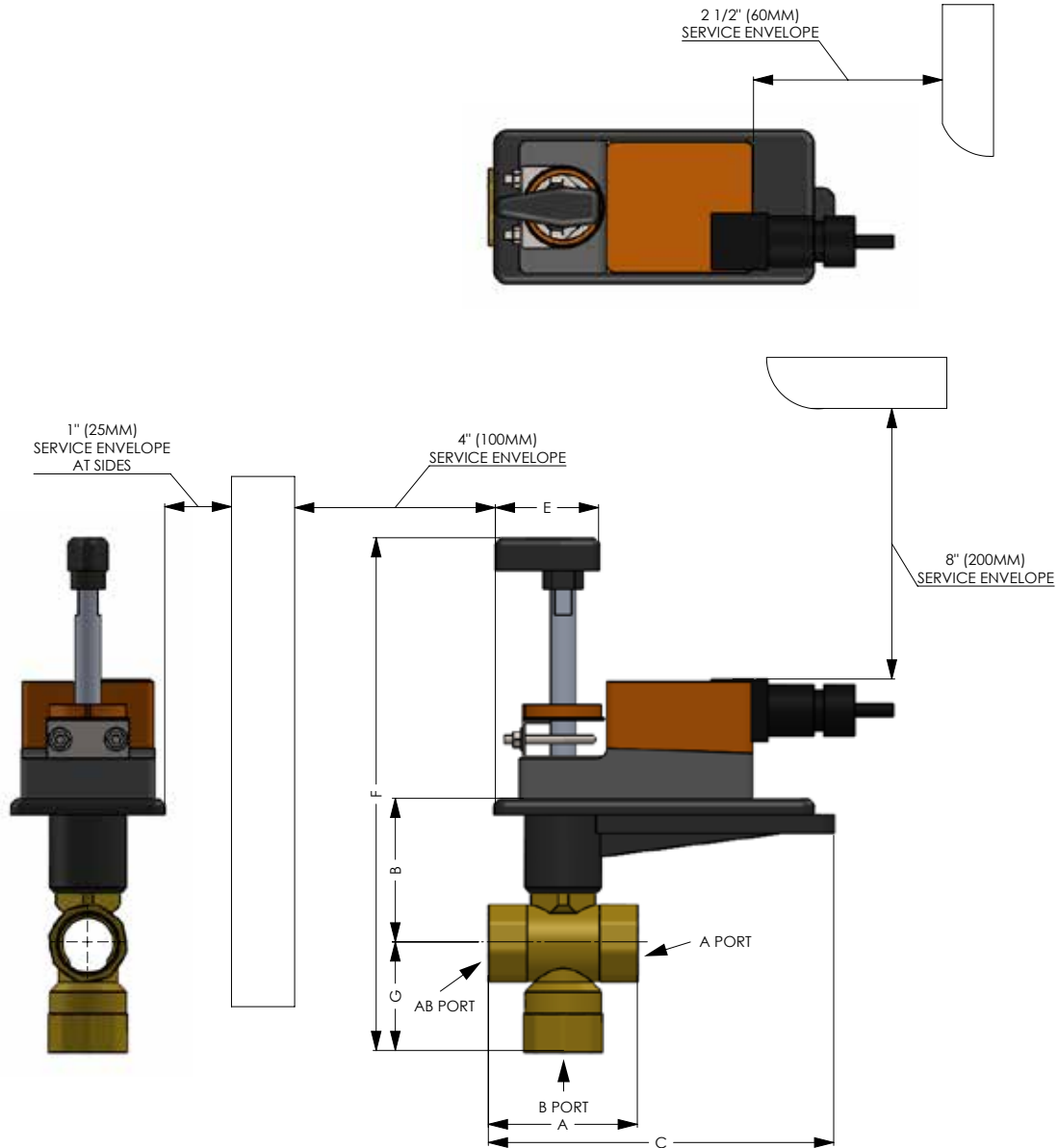
1/2" CONDUIT TO 3' CABLE (18 GA)

VALVE INFORMATION			NON-SPRING RETURN	SPRING RETURN	
SIZE	MODEL #	Cv	LMB24-SR	TFB24-SR	LF24-SR
1/2"	UR3Aafb(S)	0.33			
	UR3ABfb(S)	0.59			
	UR3ACfb(S)	1.0			
	UR3ADfb(S)	2.4			
	UR3AEfb(S)	4.3			
	UR3AFFb(S)	8.0			
3/4"	UR3BAfb(S)	0.40			
	UR3BBfb(S)	0.66			
	UR3BCfb(S)	1.3			
	UR3BDfb(S)	2.4			
	UR3BEfb(S)	3.8			
	UR3BFFb(S)*	11.0			
1"	UR3CAfb(S)	0.40			
	UR3CBfb(S)	0.65			
	UR3CCfb(S)	1.3			
	UR3CDFb(S)	2.3			
	UR3CEFb(S)	3.5			
	UR3CFFb(S)	10.0			
	UR3CGfb(S)	8.6			
	UR3CHFb(S)	22.3			
	UR3CJfb(S)	14.9			
	UR3CKfb(S)	4.5			
	UR3CMfb(S)	30.8			
1 1/4"	UR3DBfb(S)*	19.4			
	UR3DCFb(S)	14.7			
	UR3DDfb(S)	4.1			
	UR3DEFb(S)	8.7			
	UR3DFFb(S)*	34.1			
	UR3DGFb(S)	26.8			
1 1/2"	UR3Eafb(S)	13.4			
	UR3EBfb(S)	4.0			
	UR3ECfb(S)	8.3			
	UR3EDfb(S)*	32.0			
	UR3EEfb(S)	23.5			
	UR3EFFb(S)	61.1			



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Dimensions

VALVE SIZE	MODEL	MODEL (Cv)	A	B	C	E	F	G
1/2"	UR3A_	A(0.33), B(0.59), C(1.0), D(2.4), E(4.3), F(8.0)	2.7	3.4	7.0	2.02	9.5	2.0
3/4"	UR3B_	A(0.40), B(0.66), C(1.3), D(2.4), E(3.8), F(11.0)	2.8	3.4	6.5	2.02	8.9	2.0
1"	UR3C_	A(0.40), B(0.65), C(1.3), D(2.3), E(3.5), F(10.0)	2.8	3.4	7.3	2.02	9.6	2.1
		G(8.6), H(22.3)	3.0	3.9	6.8		9.9	2.4
		J(14.9), K(4.5), M(30.8)	4.3	4.1	7.8		10.9	3.3
1 1/4"	UR3D_	B(19.4), D(4.1), E(8.7)	3.0	3.9	6.8	2.02	9.9	2.4
		C(12.7), F(34.1), G(26.8)	3.6	4.1	7.3		10.4	2.8
1 1/2"	UR3E_	A(13.4), B(4.0), C(8.3), D(32.0)	3.4	4.1	7.8	2.02	10.9	2.7
		E(23.5), F(61.1)	4.0	4.6	7.3		11.1	3.2
2"	UR3F_	A(23.9), B(56.7), C(38.2)	4.0	4.6	7.3	2.02	11.1	3.2
		D(108.5), E(82.6)	5.0	5.9	7.8		12.4	3.8

Inch (mm)