



# BALL VALVE - 24V DCA

## MODULATING SIEMENS DAMPER ELECTRIC ACTUATORS

### 1/2" - 3" BRASS BODY, 2-WAY BALL VALVES

### 2-WAY BALL VALVES

**STATIC PRESSURE:** 360 psi  
**CLOSE OFF PRESSURE:** 130 psi (1/2" - 3/4")  
 100 psi (1" - 3")  
**TEMPERATURE:** -22°F - 250°F  
**BODY:** FORGED BRASS ASTM B283-06  
**END CONNECTIONS:** FEMALE NPT  
**BALL:** NICKEL-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

### 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

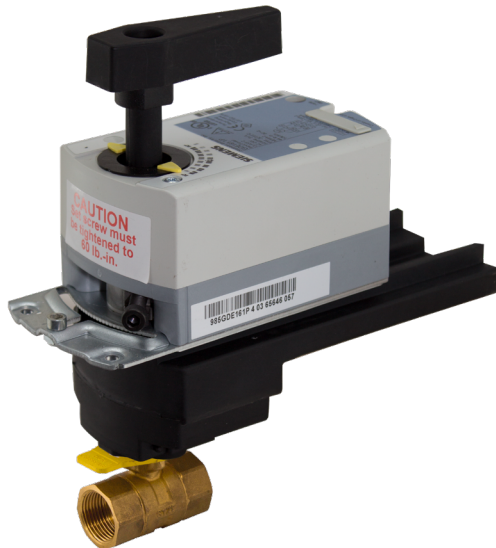
#### POWER CONSUMPTION

**GDE.161.1P:** 2.3VA

**GMA.161.1P:** 5VA / 3.5W

#### POWER CONNECTION

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



VALVE INFORMATION				NON-SPRING RETURN	SPRING RETURN
SIZE	MODEL #	Cv	CLOSE-OFF	GDE.161.1P	GMA.161.1P
3"	UR2H1FB(S)	49.0	100 psi		
	UR2H2FB(S)	63.0			
	UR2H3FB(S)	82.0			
	UR2H4FB(S)	124.0			
	UR2H5FB(S)*	145.0			

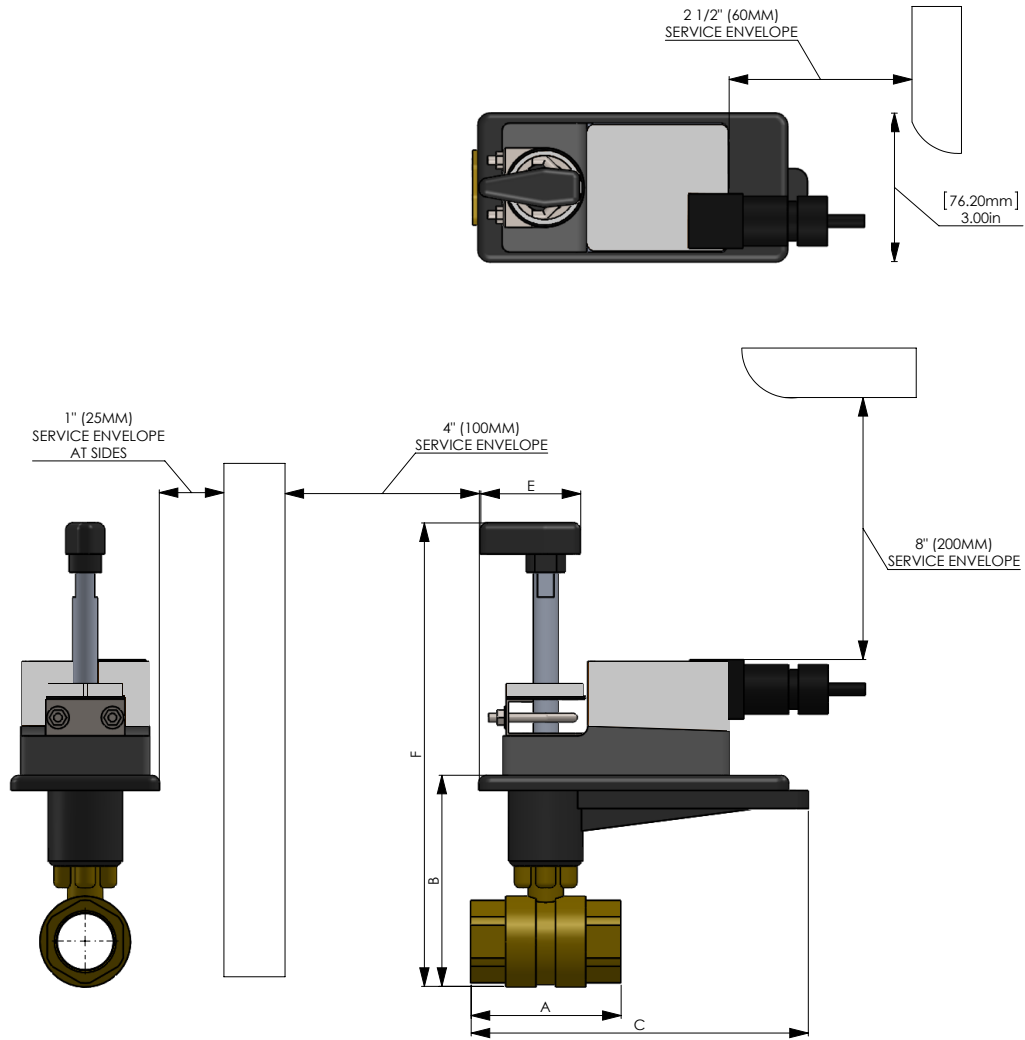
VALVE INFORMATION				NON-SPRING RETURN	SPRING RETURN
SIZE	MODEL #	Cv	CLOSE-OFF	GDE.161.1P	GMA.161.1P
1/2"	UR2A1FB(S)	0.38	130 psi		
	UR2A2FB(S)	0.68			
	UR2A3FB(S)	1.3			
	UR2A4FB(S)	2.6			
	UR2A5FB(S)	4.7			
	UR2A6FB(S)*	11.7			
	UR2A7FB(S)	8.0			
3/4"	UR2B1FB(S)	2.5	130 psi		
	UR2B2FB(S)	4.3			
	UR2B3FB(S)*	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	100 psi		
	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	100 psi		
	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	100 psi		
	UR2E2FB(S)*	73.9			
	UR2E3FB(S)	41.3			
	UR2E4FB(S)*	171.7			
2"	UR2F1FB(S)	41.7	100 psi		
	UR2F2FB(S)*	108.0			
	UR2F3FB(S)	71.1			
	UR2F4FB(S)*	266.0			
	UR2F5FB(S)	57.0			
	UR2F6FB(S)	100.0			
	UR2F7FB(S)	210.0			
2 1/2"	UR2G2FB(S)	45.0	100 psi		
	UR2G3FB(S)	55.0			
	UR2G4FB(S)	72.0			
	UR2G5FB(S)	101.0			
	UR2G6FB(S)	162.0			
	UR2G7FB(S)*	202.0			

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



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MODULATING SIEMENS DAMPER ELECTRIC ACTUATORS  
 1/2" - 3" 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(60)	3.78(96)	6.65(169)	2.02 (51)	8.32(211)	
		7(8.0)	2.67(37)	4.10(104)			8.62(219)	
3/4" (20)	UR2B_	1(2.5), 2(4.3), 3(14.7), 6(0.31), 7(0.63), 8(1.2)	2.41(61)	3.78(96)	6.65(169)	2.02 (51)	8.62(219)	
		4(10.1), 5(28.6)	2.76(70)	4.05(103)				
1" (25)	UR2C_	1(9.0), 2(28.4)	2.76(70)	4.10(104)	6.65(169)	2.02 (51)	8.64(220)	
		3(15.3), 4(54.2), 7(4.4)	3.04(77)	4.39(112)			6.73(171)	8.96(228)
		5(26.1), 6(43.9)	4.29(109)	4.87(124)			7.38(188)	9.45(240)
1 1/4" (32)	UR2D_	1(14.9), 2(41.1), 5(4.4), 6(8.3)	3.01(76)	4.49(114)	6.71(171)	2.02 (51)	9.02(229)	
		3(36.5), 4(102.3)	3.62(92)	4.87(124)			7.05(179)	9.45(240)
1 1/2" (40)	UR2E_	1(22.8), 2(73.9)	3.43(87)	4.87(124)	6.96(177)	2.02 (51)	9.45(240)	
		3(41.3), 4(171.7)	4.06(103)	5.44(138)			7.27(185)	10.02(255)
2" (50)	UR2F_	1(41.7), 2(108.0)	3.98(101)	5.44(138)	7.21(183)	2.02 (51)	10.02(255)	
		3(71.1), 4(266), 5(57.0), 6(100.0), 7(210)	4.90(125)	6.06(154)			7.69(195)	10.65(271)
2 1/2" (65)	UR2G_	1(45.0), 2(55.0), 3(72.3), 4(101), 5(162), 6(202)	5.35(136)	6.06(154)	7.91(201)	2.02(51)	10.65(271)	
3" (75)	UR2H_	1(49.0), 2(63.0), 3(82.0), 4(124), 5(145)	5.73(146)	6.38(162)	8.10(206)	2.02(51)	10.91(277)	

Inch (mm)