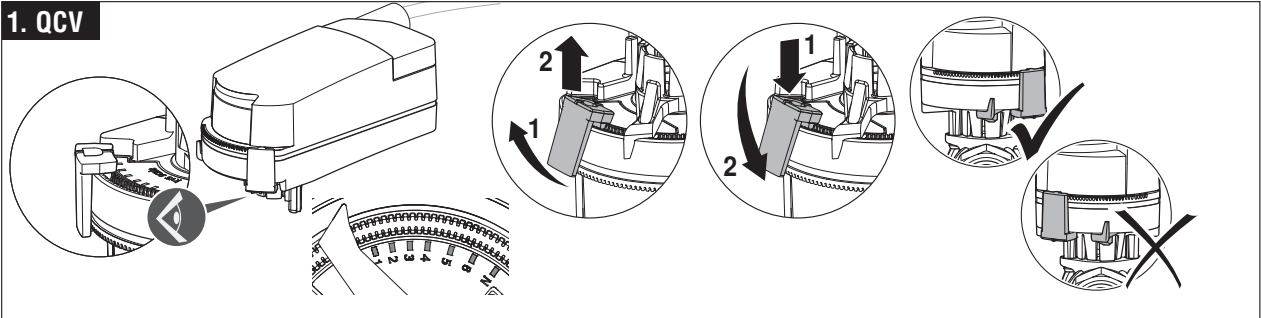


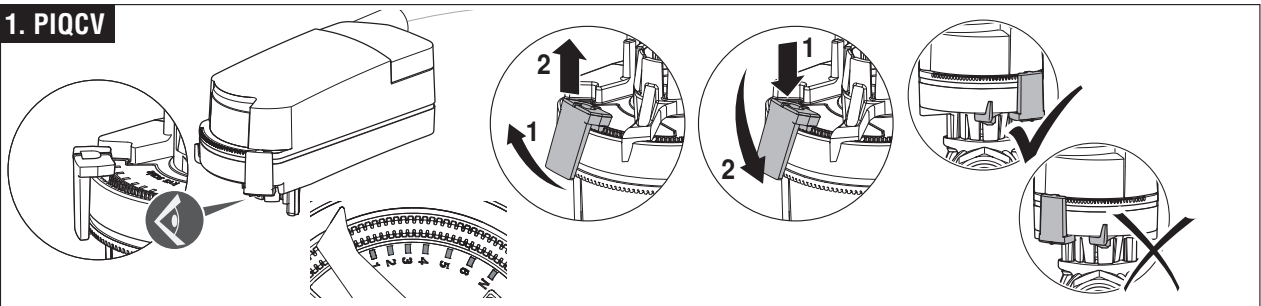
CQ... Actuators with ZoneTight Zone Valves

1. QCV



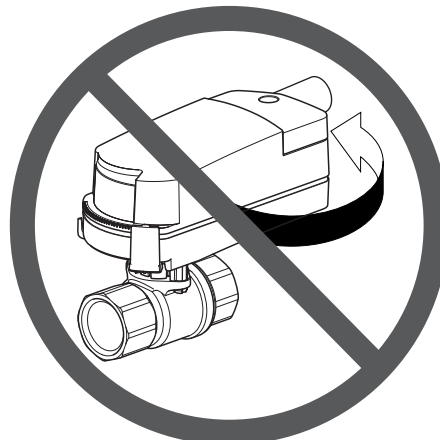
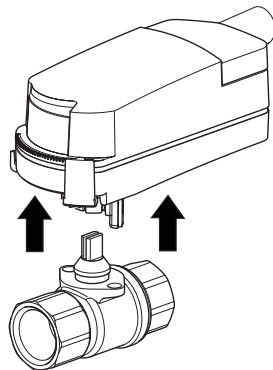
Size	Valve Model	V'max End Stop Positions										V'nom
		1	2	3-	3	4	4+	5	5+	6	N	No end stop
1/2"	Z2050Q(S)-F	0.1		0.2			0.4		0.6	0.8	1.2	1.4
1/2"	Z2050Q(S)-J	0.5	0.7		1.2	1.7		2.4		3	4.8	5.9
3/4"	Z2075Q(S)-K	0.5	1.0		1.5	2.3		3.3		4.6	6.6	9.8
Runtime (seconds)		30	37	41	43	49	51	55	58	62	68	75

1. PIQCV

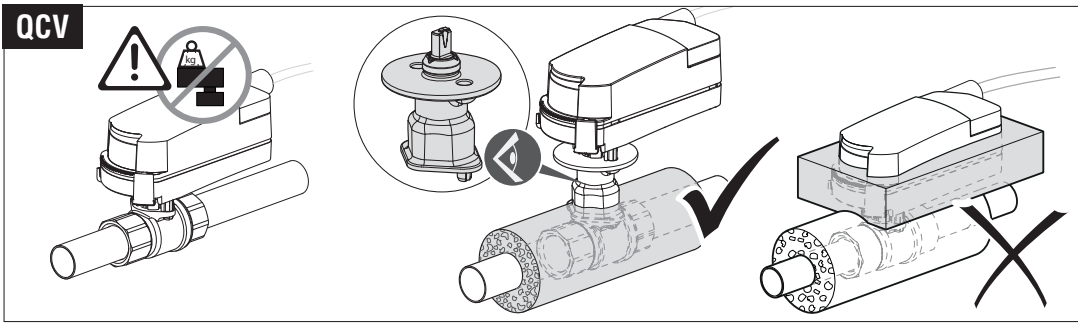


Valve Model (1/2")	Clip Position for Flow Adjustment (GPM)																				
	1	1+	2-	2	2+	3-	3	3+	4-	4	4+	5-	5	5+	6-	6	6+	N-	N	No Clip	
Z2050QPT-B			0.1					0.2			0.3		0.4		0.5		0.6	0.7	0.8	0.9	
Z2050QPT-D	0.2			0.3			0.4	0.5		0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.6	1.8	2.0	
Z2050QPT-F			0.6			0.7	0.8	0.9	1.0	1.3	1.5	1.7	1.9	2.2	2.5	2.8	3.1	3.3	3.6	4.3	
Valve Model 3/4"																					
Z2075QPT-G			1.6	1.8	2.1	2.4	2.7	3.0	3.3	3.7	4.0	4.4	4.9	5.3	5.8	6.3	6.7	7.2	7.7	9.0	
Runtime		30	33	35	37	39	41	43	45	47	49	51	53	55	58	60	62	64	66	68	75

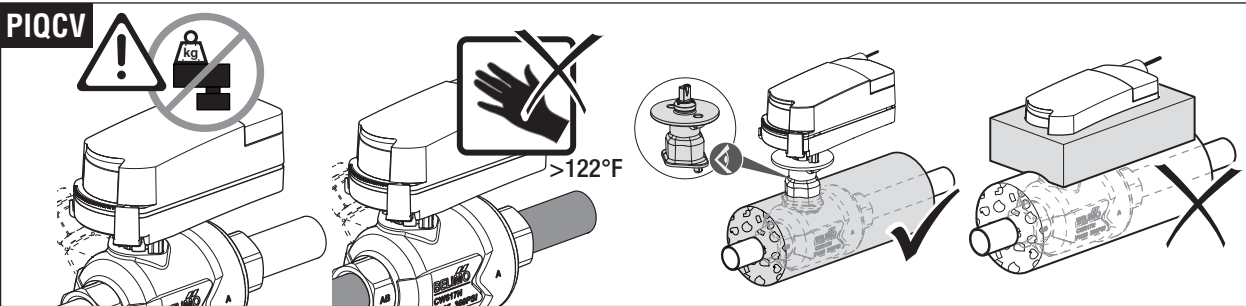
QCV/PIQCV Actuator Removal



QCV

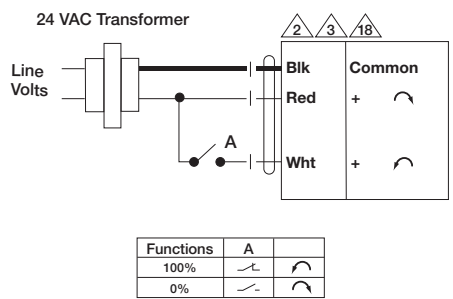


PIQCV

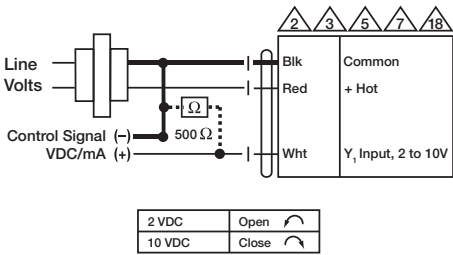


WIRING DIAGRAMS

CQ..24V, CQB24-3, CQB24-SR (-L) (-R)

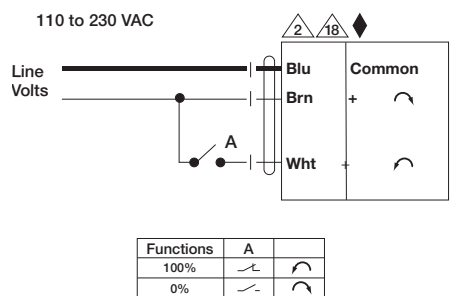


On/Off, CQB24-3

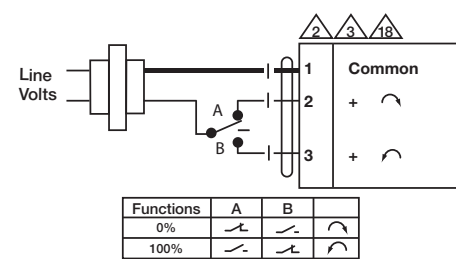


Proportional, CQB24-SR-L

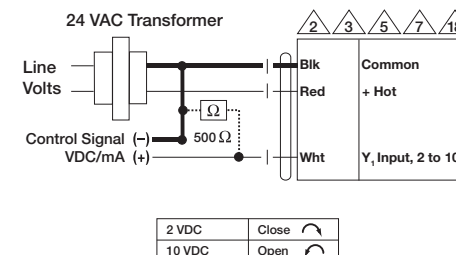
CQ..110-240V, CQBUP-3



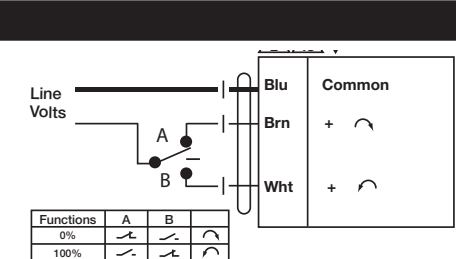
On/Off, CQBUP-3



Floating Point, CQB24-3



Proportional, CQB24-SR-R



Floating Point, CQBUP-3

Notes:

- ◆ Meets cULus requirements without the need of an electrical ground connection
- 2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuators may also be powered by 24 VDC.
- 5 Only connect common to neg. (-) leg of control circuits.
- 7 A 500 Ω (ZG-R01) converts the 4 to 20 mA control signal to 2 to 10 VDC.
- 18 Actuators with plenum rated cable do not have numbers on wires; use color codes instead.

WHT
White
Blanco
Bianco
Branco

RED
Red
Rojo
Rouge
Vermelho

BLK
Black
Negro
Noir
Preto