Z2075Q-K, 3/4”, ZoneTight Valve

Application

The QCV zone valves are suited for large commercial buildings where higher close-off and the ability to change flow is desired. Common applications include unit ventilators, fan coil units, VAV reheat coils, fin tube casing, radiant panels and duct coils. The valve fits in space restricted areas and can be assembled without the use of tools.

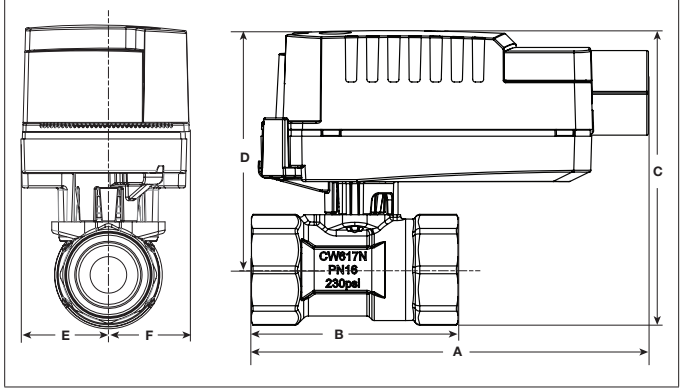
Suitable Actuators

	Non-Spring	Electronic Fail-Safe
Z2075Q-K	CQ	CQK

Technical Data	
Service	chilled, hot water, up to 60% glycol
Flow Characteristic	equal percentage
Controllable Flow Range	75°
Size [mm]	0.75” [20]
End Fitting	NPT female ends
Body	forged brass
Ball	chrome plated brass
Stem	brass
Seat	Teflon® PTFE
Seat O-ring	EPDM (lubricated)
Body Pressure Rating [psi]	360
Media Temperature Range (Water)	36°F to 212°F [2°C to 100°C]
Maximum Allowable Operating Temperature	212°F [100°C] *
Media Temperature Limit	250°F [121°C] *
Max Differential Pressure (Water)	40 psi
Close-Off Pressure	75 psi
Cv	9.8
Weight	0.4 lb [0.2 kg]
Leakage	0%
Servicing	maintenance free

* If temperature exceeds 212°F operating range due to a boiler control failure the valve will safely contain the hot water but manufacturers product warranty becomes invalid. Valve and actuator replacement is at the expense of others.

Dimensions (Inches [mm])



A	B	C	D	E	F
4.5” [114]	2.4” [61]	3.42” [86.9]	2.77” [70]	0.94” [23.88]	0.94” [24]

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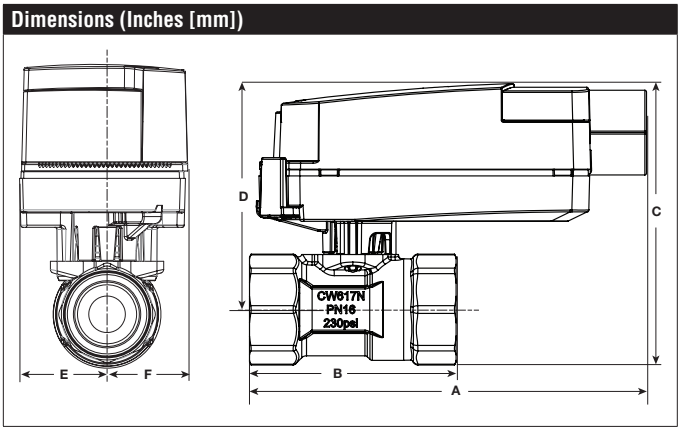
Dimensions (Inches [mm])



A	B	C	D	E	F
4.5” [114]	2.4” [61]	3.27” [83]	2.63” [67]	1.2” [31]	

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CQKB24-SR-LL

Modulating, Electronic Fail-Safe, 24 V, for 2 to 10 VDC or 4 to 20 mA Control Signal

Technical Data	
Power Supply	24 VAC ± 20%, 50/60 Hz
Power Consumption Running	2.5 W
Power Consumption Holding	0.5 W
Transformer Sizing	5 VA (class 2 power source)
Electrical Connection	3ft [1m], 18 GA plenum cable with 1/2" conduit connector
Overload Protection	electronic thoughout 0° to 90° rotation
Operating Range Y	2 to 10 VDC, 4 to 20 mA w/ ZG-R01 (500 Ω, 1/4 W resistor)
Angle of Rotation	90°, adjustable with mechanical stop
Position Indication	pointer
Running Time (Motor)	75 sec
Running Time (Fail-Safe)	60 sec
Bridge Time	2 sec delay before fail-safe activates
Pre-charging Time	5 to 20 seconds
Humidity	5 to 95% RH non-condensing
Ambient Temperature Range	35°F to 104°F [1.7°C to 40°C]
Storage Temperature Range	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2
Housing Material	UL94-5VA
Agency Listings†	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC and 2006/95/EC
Noise Level (Motor)	max. 35 dB (A)
Servicing	maintenance free
Quality Standard	ISO 9001
Weight	0.4 lb [0.2 kg]

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