

- For potable water applications
- NSF/ANSI 372 Lead Free
- NSF/ANSI 61 Water Quality





2-year warranty



Technical data

Functional data

Valve size [mm]	0.5" [15]	
Potable water certificate	NSF/ANSI 61	
	NSF/ANSI 372	
Fluid	Potable water	
Fluid temperature	-4.0212°F [-20100°C]	
Body Pressure Rating	600 psi CWP	
Close-off pressure Δps	200 psi	
Differential pressure Δpmax	200psi	
Angle of rotation	90°	
Pipe connection	NPT female	
Servicing	maintenance-free	
Flow Pattern	2-way	
Leakage rate	0%	
Cv	32	
Valve body	Lead free brass	
Stem	Lead free brass	
Seat	PTFE	
O-ring	FPDM	

Materials

Valve body	Lead free brass	
Stem	Lead free brass	
Seat	PTFE	
O-ring	EPDM	
Ball	Chrome plated lead free brass	
Non-Spring	СОВ	
Electrical fail-safe	COKB(X)	



• The ball valve has to be exercised at least once a week, so that the quality of potable water as well as the functionality are not affected.

Product features

Safety notes

Mode of operation

Suitable actuators

The on/off ball valve is adjusted by a rotary actuator. The rotary actuator is connected by an on/off signal. Open the ball valve counterclockwise and close it clockwise.

Installation notes

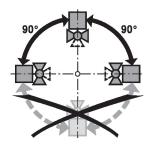
Notes

The ball valve is a regulating device. To fulfil this control task in the long term, the circuit must be kept free from particle debris (e.g. welding beads during installation work).



Recommended installation positions

The ball valve can be installed upright to horizontal. The ball valve may not be installed in a hanging position, i.e. with the stem pointing downwards.



Servicing Ball valves and rotary actuators are maintenance-free.

Dimensions Χ Υ L Weight [mm] [mm] [mm] 250 90 0.47 lb [0.21 kg] 61 CQ C В D E 2.4" [60] 4.6" [118] 3.3" [83] 2.7" [69] 0.9" [24] 0.9" [24] C CQK

В

2.4" [60]

3.4" [87]

4.6" [118]

D

2.8" [70]

0.9" [24]

0.9" [24]



On/Off, Electrical Fail-Safe, AC 100...240 V

- Nominal voltage AC 100...240 V
- Control On/Off







CQKBUP-LL



nnical data			
Electrical data	Nominal voltage	AC 100240 V	
2.000.100.100.1	Nominal voltage frequency	50/60 Hz	
	Nominal voltage range	AC 85265 V	
	Power consumption in operation	2.5 W	
	Power consumption in rest position	0.5 W	
	Transformer sizing	7 VA	
	Electrical Connection	22 GA plenum cable, 1 m, with 1/2" conduit connector	
	Overload Protection	electronic thoughout 090° rotation	
	Electrical Protection	actuators are double insulated	
Functional data	Bridging time (PF)	2 s	
i anctional data	Pre-charging time	520 s	
	Angle of rotation	90°	
	Angle of rotation note	adjustable with mechanical stop	
	Running Time (Motor)	75 s / 90°	
	Running time fail-safe	<60 s	
	Noise level, motor	35 dB(A)	
	Noise level, fail-safe	35 dB(A)	
	Position indication	pointer	
	1 OSICION MUICACION	politici	
Safety data	Power source UL	Class 2 Supply	
	Degree of protection IEC/EN	IP40	
	Degree of protection NEMA/UL	NEMA 2	
	Enclosure	UL Enclosure Type 2	
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02 CE acc. to 2014/30/EU and 2014/35/EU	
	Quality Standard	ISO 9001	
	UL 2043 Compliant	Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC	
	Ambient humidity	Max. 95% RH, non-condensing	
	Ambient temperature	35104°F [240°C]	
	Storage temperature	-40176°F [-4080°C]	
	Servicing	maintenance-free	
	-		

UL94-5VA

Materials

Housing material



Product features

Application

Electrical fail-safe On/Off ZoneTight actuator.

Valve selection should be done in accordance with the flow parameters and system specifications.

The actuator is mounted directly to the valve without the need for tools or additional linkage.

The actuator operates in response to AC 100...240 V. Angle of rotation is adjustable with the integrated mechanical stop.

Electrical installation

X INSTALLATION NOTES

(A) Actuators with appliance cables are numbered.

Provide overload protection and disconnect as required. Actuators may be connected in parallel. Power consumption and input impedance must be observed.



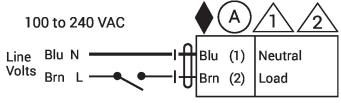
Meets cULus requirements without the need of an electrical ground connection.

Warning! Live electrical components!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

Wiring diagrams

On/Off



Functions	Α	
0% <	7	7
100% 🗳	/-	>
Fail Position	100% Open	