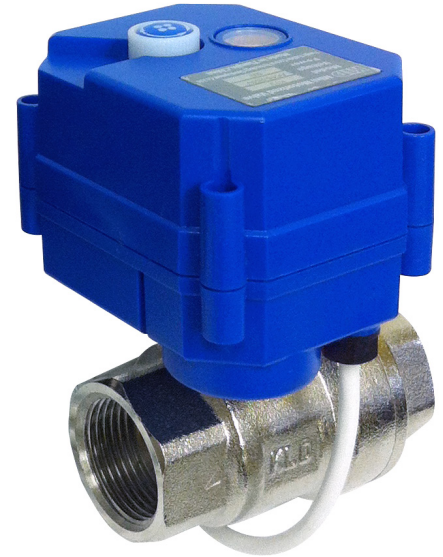


# ABC Motorized Ball Valve Instructions



ABC motorized ball valves powered open by line voltage and motor-driven closed by a built in capacitor, when power is removed from the valves.

## Plumbing Installation

- For maximum weather protection, the valve should be mounted in a horizontal pipe run with actuator above the ball valve.
- ABC valves can have the flow pass through in either direction.
- A strainer up stream is recommended if installation will have high particulate to prevent damage.
- Isolation and bypass valves are also recommended for maintenance.

## Wiring

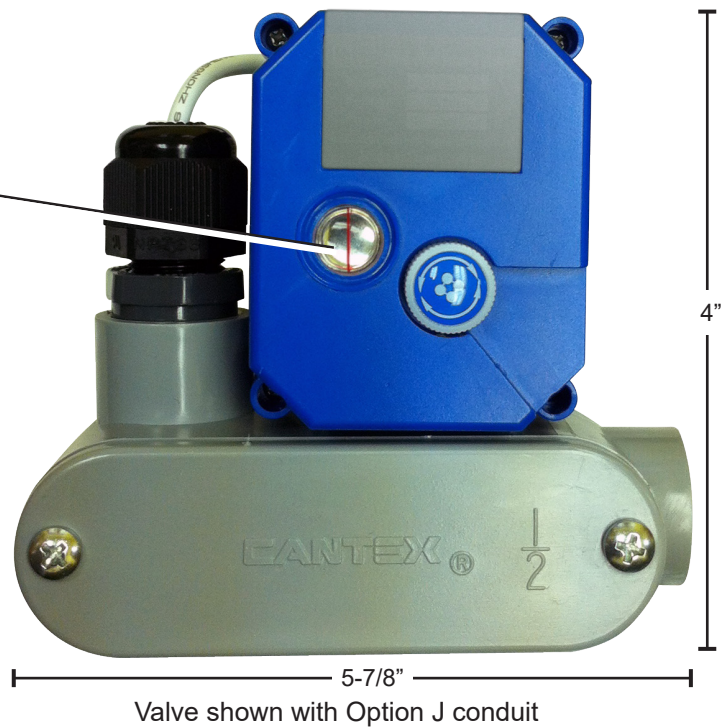
- Valves with the 95-250 VAC actuator will operate off of a line voltage within this range.
- Line voltage outside of the rated range will damage actuator.
- Black wire connects to neutral and red to hot.
- When line voltage is applied, valve will open and when voltage is removed, it will close. 30-45 seconds of “on” needed for proper operation.

## Specifications

<b>Max Temp.</b>	140°F
<b>Pressure</b>	0-225 PSI
<b>Valve Body</b>	Chrome Plated Brass
<b>Ball &amp; Stem</b>	Stainless Steel
<b>Seals</b>	EPDM
<b>Shipping Weight</b>	3 lbs
<b>Standard Electrical</b>	95-250 VAC
<b>Sizes Available</b>	1/4", 1/2", 3/4", 1"
<b>Height</b>	4"
<b>Max Torque</b>	2NM
<b>Max Power</b>	5W
<b>Current</b>	25 ± 5mA
<b>Cycle Time</b>	10-15 seconds
<b>Required On Time</b>	30-45 seconds
<b>Actuator Housing</b>	ABS
<b>Rating</b>	1P67
<b>Cycle Life</b>	80,000+

## Position Indicator

Position indicator  
with valve closed.



## Manual Operations

The ball valves can be manually operated with power removed from valve.

### Steps:

1. Unplug valve from power source.
2. Lift the hand wheel and start to turn. If there is a charge on the capacitor it will rotate valve until fully discharged.
3. With capacitor discharged, rotate to desired position.
4. Lower hand wheel.



**Warning! Manual operations with power still connected to actuator will cause damage.**

