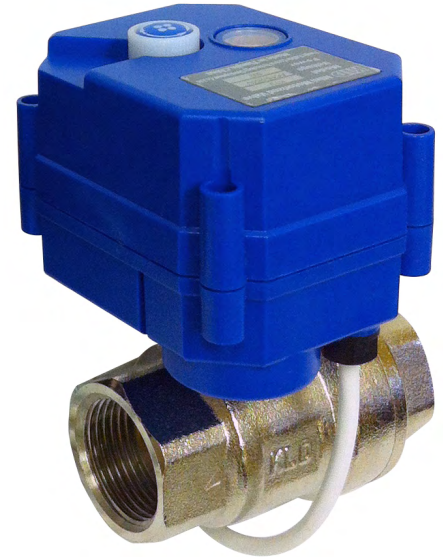


# ABC Motorized Ball Valve Instructions



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

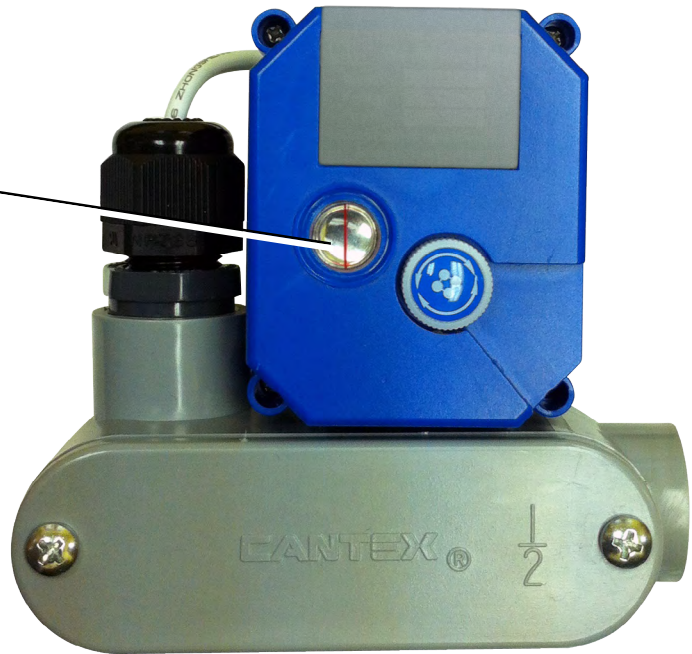
- Valves with the 100-240 VAC actuator will operate off of a line voltage within this range.
- Line voltage outside of the rated range will damage actuator.
- Black wire connects to neutral and red to hot.
- When line voltage is applied, valve will open and when voltage is removed, it will close.

## 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> .....	Chrome Plated Brass
<b>Seals</b> .....	EPDM
<b>Shipping Weight</b> .....	3 lbs
<b>Standard Electrical</b> .....	120 VAC
<b>Sizes Available</b> .....	1/4, 1/2, 3/4 & 1"
<b>Max Torque</b> .....	2NM
<b>Max Power</b> .....	5W
<b>Current</b> .....	25 ± 5mA
<b>Cycle Time</b> .....	5-7 seconds
<b>Actuator Housing</b> .....	ABS
<b>Rating</b> .....	1P67
<b>Cycle Life</b> .....	80,000+

## Position Indicator

Position indicator  
with valve closed.



Valve shown with Option J conduit

## 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.**

