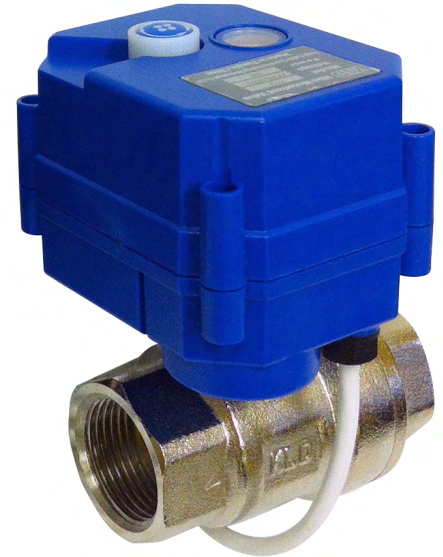


ABC Motorized Ball Valve Instructions



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

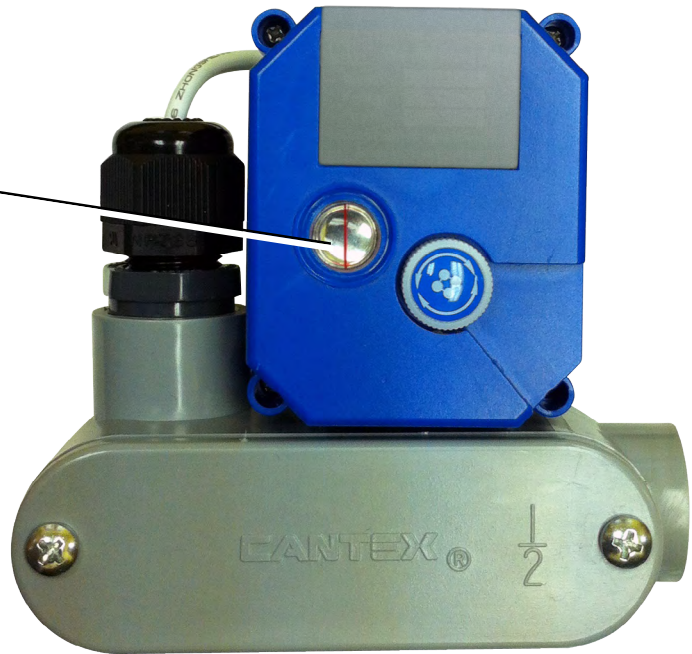
- Valves with the 100-240 VAC actuator will operate off of a line voltage within this range.
- Line voltage outside of the rated range will damage actuator.
- Black wire connects to neutral and red to hot.
- When line voltage is applied, valve will open and when voltage is removed, it will close.

Specifications

Max Temp.	140°F
Pressure	0-225 PSI
Valve Body	Chrome Plated Brass
Ball & Stem	Chrome Plated Brass
Seals	EPDM
Shipping Weight	3 lbs
Standard Electrical	120 VAC
Sizes Available	1/4, 1/2, 3/4 & 1"
Max Torque	2NM
Max Power	5W
Current	25 ± 5mA
Cycle Time	5-7 seconds
Actuator Housing	ABS
Rating	1P67
Cycle Life	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.

