

# 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.



- 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.

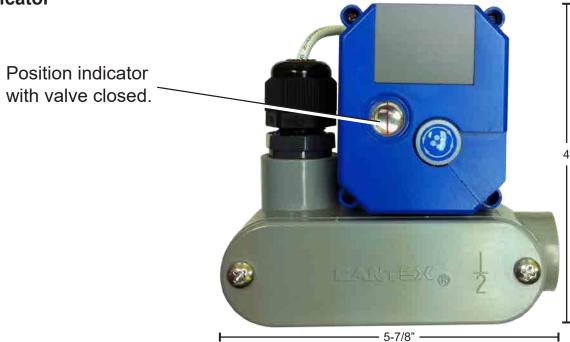


# **Specifications**

140°F
0-145 PSI
. Chrome Plated Brass
Stainless Steel
EPDM
3 lbs
95-250 VAC
1/4", 1/2", 3/4", 1"
4"
2NM
5W
25 ± 5mA
10-15 seconds
30-45 seconds
ABS
1P67
80,000+



### **Position Indicator**



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.

