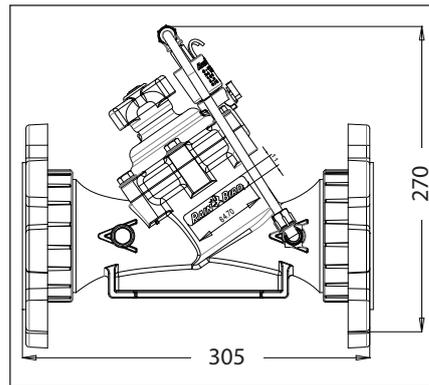
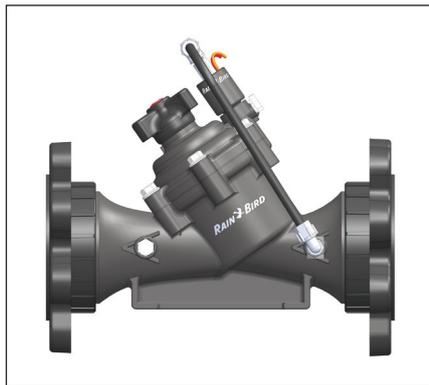




# Installation and Operation Manual for Model IR-3-110-00-CC-PP-3/2W-4AC-M

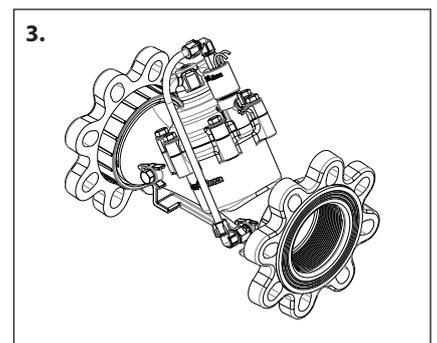
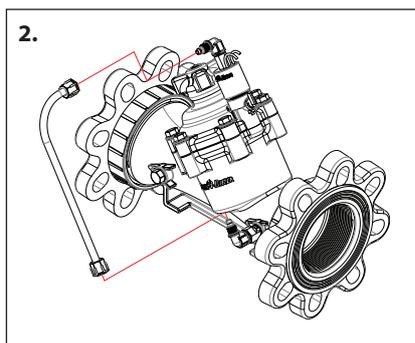
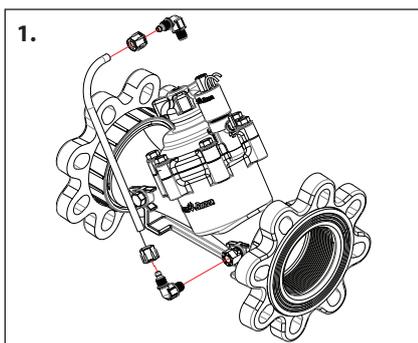


## Description:

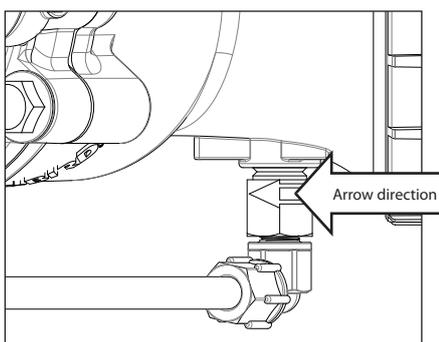
The Rain Bird 100 Series ELR 3" Solenoid Control Valve is a hydraulically operated, diaphragm actuated control valve with external hydraulic feed and internal bleed control loop.

The Rain Bird Model ELR opens and closes drip-tight in response to an electric signal, which causes the solenoid to open or close the valve's internal hydraulic loop.

## Installation



Remove the valve and the tubing bag from the box.  
Assemble the fittings and control tube as shown in fig1 and fig2.



## Important Note:

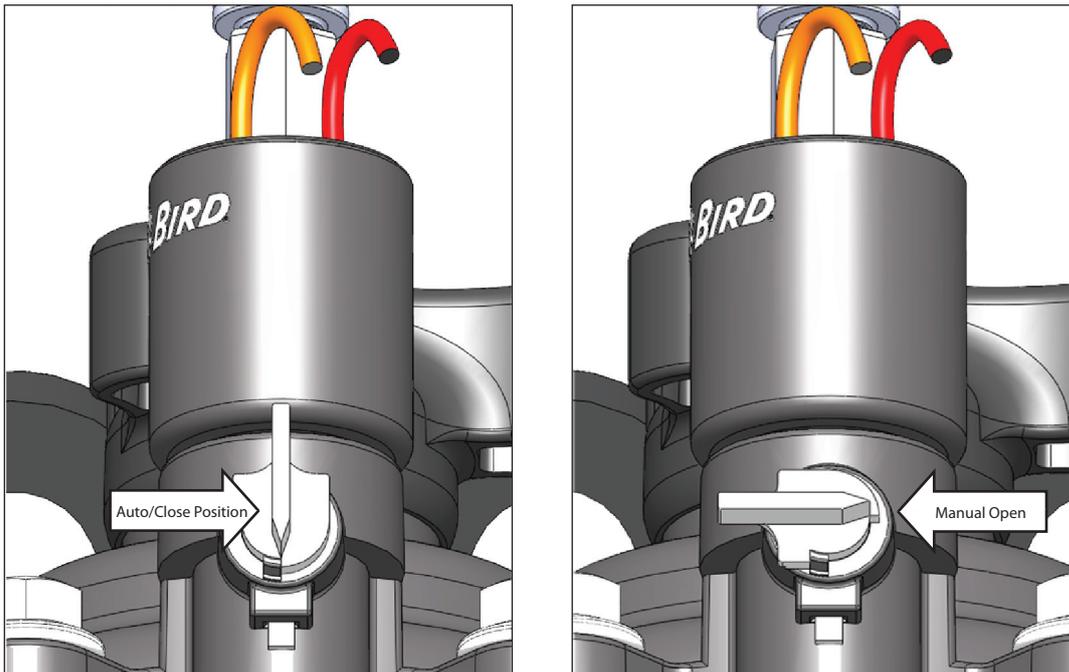
The filter arrow direction must follow the flow direction



## Installation and Operation Manual for Model IR-3-110-00-CC-PP-3/2W-4AC-M

1. Ensure enough space around the valve assembly for future maintenance and adjustments.
2. Prior to valve installation, flush the pipeline to remove debris.
3. To allow future maintenance, install Isolation gate valves upstream and downstream of Rain Bird Model ELR valve.
4. Install the valve in the pipeline with the valve body flow direction arrow in the actual flow direction.
5. After installation carefully inspect and repair any damaged components, piping, tubing, or fittings.
6. Wire the solenoid according to local electrical code, using water proof wire connectors.
7. Double-Check solenoid's specifications with design requirements and solenoids label.

### Operation



#### Note:

There must be pressure and flow through the valve and system to check and adjust the valve. Insure typical flow demand. Verify solenoid electrical connections and voltage requirements. Make sure the flow control stem fully open CCW.

1. Open pipeline isolation valves if applicable.
2. To open main valve energize solenoid continuously or turn manual override white knob fully CCW to the manual open position.
3. To close main valve de-energize solenoid (Note: For automatic operation- Make sure manual operator is in the "Auto/Manual Close" position-white knob in the vertical position-turned fully CW as shown in the above drawing).

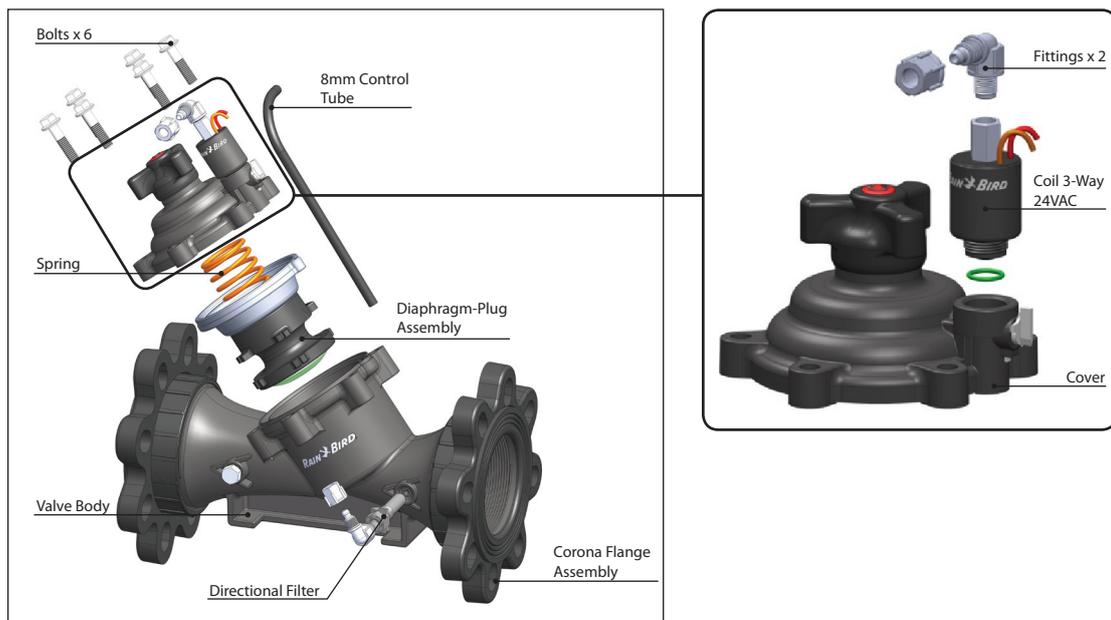


## Installation and Operation Manual for Model IR-3-110-00-CC-PP-3/2W-4AC-M

### Trouble-Shooting

- 1. Valve fails to Open:** Confirm power supply to solenoid, Check for sufficient inlet pressure, confirm solenoid is not jammed & confirm solenoid coil is not burned (See solenoid specification page for electrical information).
- 2. Valve fails to Close:** Confirm power supply to solenoid is disconnected, confirm manual override is in the "Auto/Close" position, confirm solenoid is not jammed, clean external and internal control filter & detect for clogged ports or fittings, check if any debris trapped in the main valve, confirm valve diaphragm is not leaking.

### Spare parts



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