

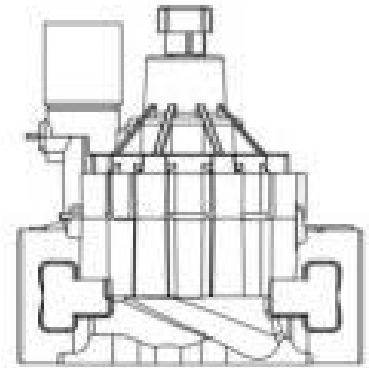
PH,DH series irrigation solenoid valve installation instructions

Installation suggestion

The user selects the appropriate matching coil voltage according to the output voltage mode of the irrigation controller. It is recommended that customers pay enough attention to the design of pipelines, including

1. Reasonable flow rate of the pipeline,
2. Install 80-mesh filter in front of valve,
3. Install the inlet and exhaust valves in front of the valve and behind the valve.
4. A qualified pulse coil controller must be selected.

Installation guide:



1. It is recommended to install a manual maintenance valve in front of the solenoid valve to facilitate the debugging and maintenance of the solenoid valve.
2. Before the installation and use of the solenoid valve, the pipeline must be washed to prevent foreign matter such as stones, leaves, and plastic dust generated by pipe cutting from blocking the flow path.
3. The installation environment of the plastic solenoid valve must consider the harm of sunlight and ultraviolet rays, and protect it with a valve box or valve well.

4. When installing the solenoid valve, it should be marked according to the direction of incoming and outgoing water flow on the valve body. You are advised to install a loose connector on at least one side.
5. The inlet and outlet of the solenoid valve is the national standard inch taper pipe thread, and the K-flow direction external thread connected with the solenoid valve must be the same caliber, only need to wrap an appropriate amount of polytetrafluoroethylene belt (commonly known as raw material belt) on the external thread of the pipe fitting during installation, first tighten by hand, and then tighten 2-3 rings with a wrench.



6. The connection section between the controller and the solenoid valve should be sufficient to avoid voltage drop caused by excessive distance loss.
7. Outdoor wire connections must be qualified special waterproof joints to avoid poor contact due to oxidative corrosion of wire joints. Construction personnel should keep their hands dry and clean when wiring joints, and try to avoid construction in outdoor rainy days.

8. Pulse coil wiring is divided into positive and negative electrodes, the red line is positive, and the black line is negative.
9. When disassembling or installing the electromagnetic coil, keep it clean. The coil core and spring must be placed correctly.



Debugging process:

1. Make sure that the solenoid valve is manually closed, and turn the manual flow adjustment knob to the maximum 1-2 turns
2. Open the inspection valve. The solenoid valve should be closed



3. Open the solenoid valve manually. In this case, the water is opened and closed manually

4. Power for automatic control

Normally closed coil solenoid valve operation instructions :(figure)



1. Manual switch, arrow down for manual closing position (also AUTO position), counterclockwise rotation 90 degrees for manual opening position (OPEN position).

2, manual flow adjustment knob, turn off clockwise, turn on counterclockwise.

3. Drain water cleaning knob

4. Inlet and outlet direction

Simple troubleshooting

	Fault phenomenon	Possible cause
1	Manually open no water	The manual flow regulation is turned off, the inspection valve is closed, and the control channel in the valve is blocked
2	Manual failure to close	Coil core, spring installation error or missing, foreign matter stuck in valve body
3	Automatically open no water	The controller is faulty, the iron core in the coil is stuck, and the coil is disconnected
4	The automatic opening is normal and cannot be automatically closed	The controller is faulty, the core in the coil is stuck, the spring is missing
5	The water yield is small	Manual flow control is off, water pressure is low
6	Pipeline vibration	There is air in the pipeline, install an exhaust valve