



User Manual for TM.F76 Leakage Automatic Closed Valve

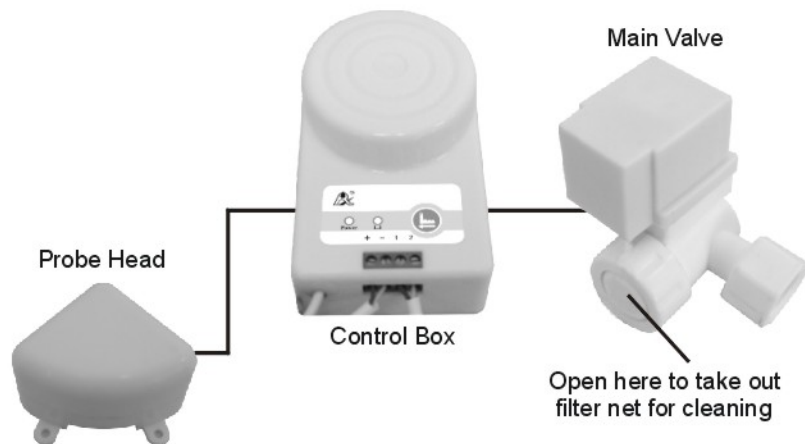
The leakage automatic closed valve with this structure is patent product developed by our company (Patent Application No.:200720045482.8). It is mainly used for residential water supplying area. In case of leakage in solar water heater, faucet, household water dispenser, if no one at home and no automatic protection facility, then the household electric appliances, floor would be soaked. This may not only result in hidden dangers and great property loss, but also result in bad image in clients on leakage product.

This patent product combines three parts, main valve which could cut off water entering and installed in the pipe inlet, probe head which is installed where is probably leak and control box which is connected with main valve and probe head. When the probe head inspect there is leakage, it would send the leakage signal to control box. After the control box received leakage signal, it cuts off the water entering so that the property loss could be reduced at the lowest.

I Product Characteristics

- ① The main valve adopts bistable and magnetic locking solenoid valve. It needs electric current only at the moment of opening and closing, no current need in other working states, which saves energy and lengthens the servicing time of the solenoid valve.
- ② There is filter net in main valve which could be disassembled, which is convenient for cleaning.
- ③ There is backup electrical source in control box. It could still work 24 hours the longest after power off.
- ④ It could connect with multi-pieces of probe heads to realize multi-points inspection.

II Product Appearance and Accessories



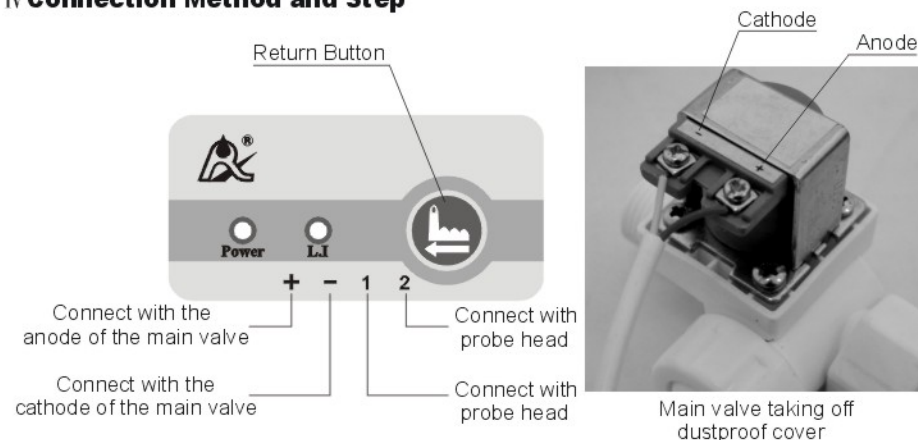
Accessory Description	1/2" Washer	Tapping Screw M4×25	Plastic Foam
Quantity	1 PC		2 PCS

III Product Specifications

Nominal Pressure: 0.6MPa
Transformer Input: 220V/50Hz

Nominal Diameter: DN15
Suited Temperature: 1~80°C.

IV Connection Method and Step



1. Connect main valve in pipeline where needs to be closed. (The animate connector is inlet)
2. Install the control box on the wall where is easy to operate, and close to main valve.
3. Put probe head on some place where is most easy to inspect water when leakage.
4. Connect two core cables in probe head with position '1' and '2' on control box.
5. Taking off dustproof cover. Connect the anode on main valve with the anode on control box. Connect the cathode on main valve with the cathode on control box.

V Instruction

1. When probe head inspects water leaks, the leakage indication light 'L.I' will light. Then the main valve installed in pipeline would be closed automatically to cut off water.
2. After solving hidden danger and make probe head dry, press the return button on control box to resume its normal working and supplying water.

VI Remarks

1. When turning pipelines, avoid over strength and use care not to cross thread or broken the valve.
2. The anode and cathode on control box should be connected as rules. After complete connection, leakage examination is required before using. Leakage examination method as following: Connect wires as above picture showed, then connect with main power. Make bottom part of probe head touch water. At this time, main valve would be closed automatically. Dry probe head and don't make it connect with water, press return button to realize it supplies water in normal. In this case, the wires are connected normally and could be using. If the examination is different from the above description, exchange the wires on cathode with that on anode, then repeat the above examination.
3. The probe head should be put on some place where is most easy to inspect water when leakage.
4. The filter net should be cleaned after the product used for 6 months. The leakage examination is suggested to be done before using to ensure the system in normal condition.
5. Please use this product under the temperature between 1°C to 80°C, water pressure no more than 0.6MPa. Failure to use this product under such condition voids the warranty. If the water pressure exceeds 0.6MPa, a pressure reducing valve must be installed before water inlet.

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