



HydroMinder

Water Valves

Models 572 & 573

PACKAGECONTAINS:

1. Water valve assembly
3. Float with chain
4. Product information sheet

THANK YOU FOR CHOOSING OUR PRODUCTS

Hydro Systems manufactures quality chemical proportioners. Please use this equipment carefully and observe all warnings and cautions.

***** NOTE *****

WEAR

protective clothing and eyewear when working in the vicinity of chemicals or other materials, when filling or emptying equipment or changing metering tips.

ALWAYS

re-assemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.

direct discharge away from you or other persons or into approved containers.

exercise **CAUTION**. Dispense cleaners and chemicals in accordance with manufacturer's instructions.

observe safety and handling instructions of the chemical manufacturers.

CLEAN

equipment after each use to maintain proper operation.

ATTACH

only to tap water outlets (85 PSI maximum).

INSTALLATION:

1. Mount the unit in a level position on the side of a reservoir. If unit is supplied with a bracket, it may be repositioned or removed as necessary.
2. Adjust chain length to position float at the desired highest level of water. NOTE: The high volume HydroMinder Water Valves, models 572 and 573, are designed to shut off slowly to help reduce water hammer. Be sure to take this into account when setting the high water level to prevent inadvertent tank overflow. Position the float so that the water discharge does not cause turbulence around the float. It may be necessary to baffle the float from the discharge, or to connect a hose to the HydroMinder discharge fitting, so that water is discharged under the water level in the tank.
3. Models 572 and 573 should be hard plumbed with minimum 1-inch pipe. Minimum 15 PSID pressure is required for proper operation of the water valves. See flow chart (below) for further information. Larger water lines may be used. They should be plumbed directly into the black valve.

Approx. Flow Rates for Models 572 and 573 (GPM)		
PSID	Inlet:	1" ID or larger
10		13.0
20		25.8
35		44.0
40+	Subject to building water system constraints	

OPERATION:

Turn on water source to valve. When the solution in the reservoir reaches the level set by the float, the magnetic valve on the HydroMinder will close. This will stop the water flow. When withdrawal from the reservoir causes the level to drop more than 1 1/2 inches, the valve will open and the reservoir will be refilled to the previous level. This cycle will be repeated automatically as long as the water supply is on.

TROUBLESHOOTING:

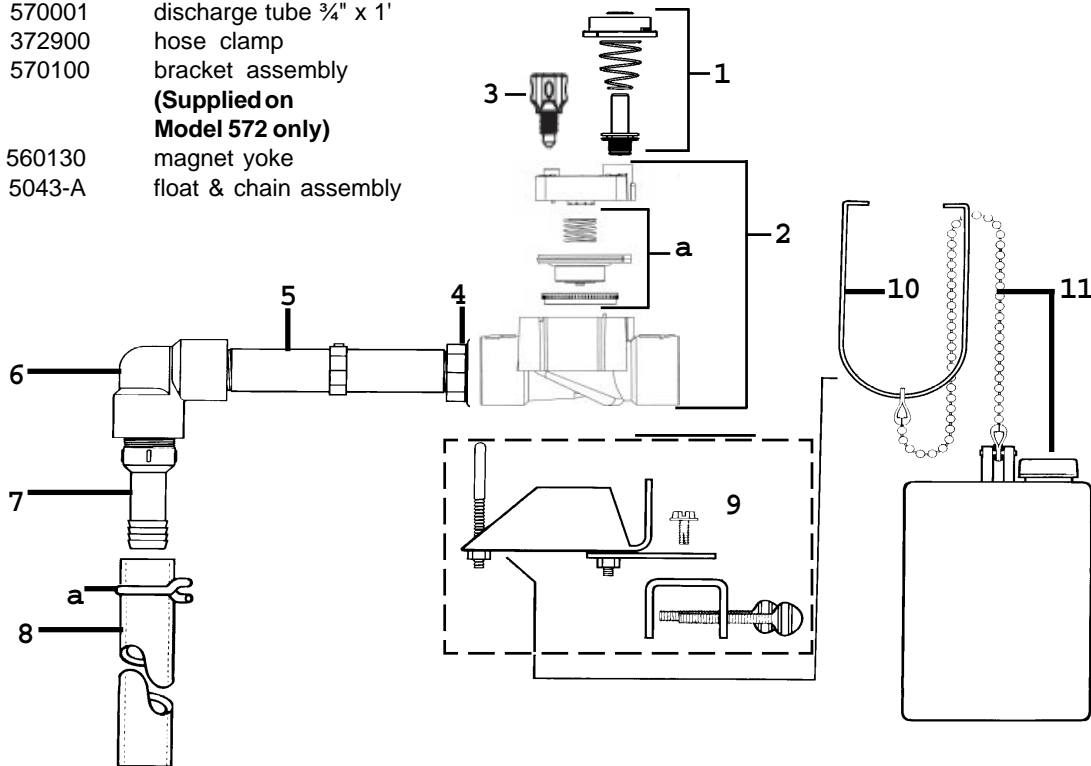
PROBLEM	CAUSE	SOLUTION
1. No discharge	a. No water b. Defective magnetic valve assembly c. Excessive water pressure	a. Open water inlet source b. Replace assembly c. Install regulator if pressure exceeds 85 PSI
2. Failure of unit to turn off	a. Valve parts dirty or defective b. Magnet spring too short c. Clogged valve orifice d. Water pressure too high e. Diaphragm stretched	a. Clean (descale) or replace* b. Replace spring c. Clean or replace d. Install regulator if pressure exceeds 85 PSI e. Replace

* Hard water may cause build-up of mineral deposits in water valve. Remove deposits by soaking the valve parts in a deliming solution.

HydroMinder High Volume Water Valve Models 572 & 573: Parts Diagram and List

Key Part No. Description

- 1 10091907 actuator assembly
- 2 10091661 valve
- a 10091906 diaphragm replacement kit
- 3 10091902 bleed screw
- 4 560180 bushing (3/4 x 1)
- 5 560230 nipple (3/4 x 4 PVC)
- 6 560210 elbow (3/4 PVC)
- 7 419337 3/4" hose barb
- 8 570001 discharge tube 3/4" x 1'
- a 372900 hose clamp
- 9 570100 bracket assembly
(Supplied on Model 572 only)
- 10 560130 magnet yoke
- 11 5043-A float & chain assembly



Hydro Systems

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