



# HydroMinder

## Water Valves

### Models 572GB & 573GB

#### **PACKAGE CONTAINS:**

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

#### **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 572GB and 573GB, are designed to shut off slowly to help reduce water hammer. Please ensure this is taken into account when setting the high water level to prevent 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. Units should be hard plumbed with minimum 25mm pipe. Minimum 15 PSID pressure is required for correct operation of the water valves. See flow chart below for guidance. 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: 25mm 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 38mm, 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.

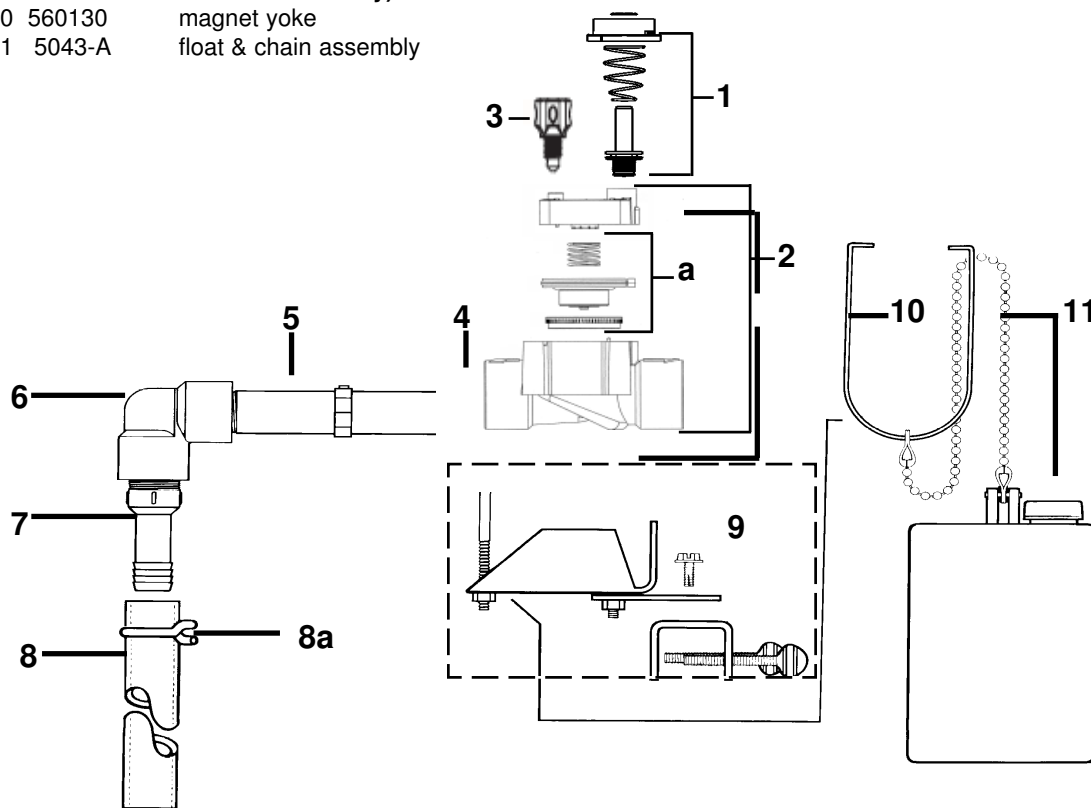
**TROUBLESHOOTING:**

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 6 Bar
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 6 Bar 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.

**Parts Diagram and List (Model 572GB shown)**

- | Key | Part No. | Description   |
|-----|----------|---|
| 1   | 10091907 | actuator assembly   |
| 2   | 10091669 | valve   |
| a   | 10091906 | diaphragm replacement kit                                 |
| 3   | 10091902 | bleed screw replacement                                   |
| 4   | 560180   | bushing (25mm x 19mm)                                     |
| 5   | 560230   | nipple (19mm x 100mm PVC)                                 |
| 6   | 560210   | elbow (19mm x NPT)  |
| 7   | 419337   | 19mm hose barb  |
| 8   | 570001   | discharge tube 19mm x 300mm                               |
| a   | 372900   | hose clamp  |
| 9   | 570100   | bracket assembly<br><b>(Supplied on Model 572GB only)</b> |
| 10  | 560130   | magnet yoke   |
| 11  | 5043-A   | float & chain assembly                                    |





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