



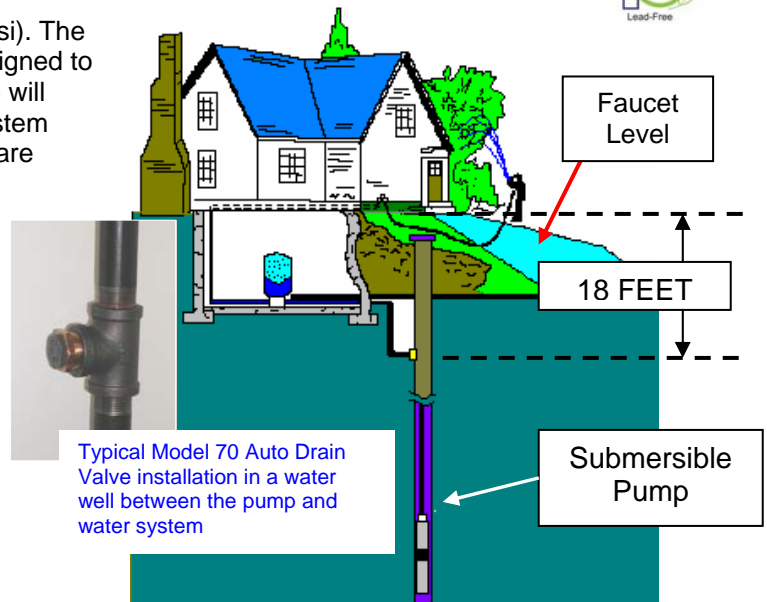
DESCRIPTION:

The Model 70 Automatic Drain Valve automatically opens to atmosphere when water system pressure drops below 10 (psi). The spring-loaded drain valve operates **hydraulically** and is designed to close thru the *water flow velocity* in the pipe. The drain valve will provide automatic drainage of pipe water lines in a water system when the line pressure drops below 10 psi. No adjustments are necessary. *Lower than 10 psi drain is available (5psi).

VALVE OPERATION:

The Model 70 Automatic Drain Valve is normally held open the force of the compression spring. The Flomatic Valves Auto-Drain Valve Model 70 when properly installed in a water wells riser pipe will drain the piping system when the system pressure is 10 psi or lower.

NOTE: The Auto-Drain Valve will close automatically when the *water flow velocity reaches about 5 GPM or greater* in a 1" size pipe. If you have low flow a lighter spring can be used but opening point will decrease to 5 PSI instead of 10 PSI. Consult Factory.



INSTALLATION:

The Model 70 Automatic Drain Valve may be installed in any position, vertical or horizontal. The Model 70 Auto Drain Valve is recommended to be installed in a 1" NPT pipe tee fitting (See Fig "A" for typical installation). The pipe tee shall be located in a 1" or 1 ¼" water well drop pipe between the submersible pump and ground level. The pipe tee's location shall be a maximum vertical distance of 18 feet from the closest drain faucet in the water system. No check valve can be installed in this pipe section that would prevent water system drain-back.



The Model 70 Auto Drain Valve is **not designed** for ground burial and should not be installed in a buried valve box or enclosure where damaging from flooding could occur. The Model 70 Auto Drain Valve releases system water at 10 psi pressure and should **always** be installed in an **area** (water drain) that would not result in water damage. Be sure all connections are tight and drip free. No adjustments are required to the valve during or after installation.



Put the enclosed "Flomatic Valves Auto Drain" sticker on the pump control box indicate that a Flomatic Valve Model 70 Auto Drain Valve has been installed in the water well drop pipe. This will help to inform all future service persons who might think that there is a check valve in the well that is not holding or that there might be a pipe leak in the water system.

Note: Check with prevailing government authorities for local installation requirements.

WATER SYSTEM START UP

Be sure that the Model 70 Automatic Drain Valve has been properly installed in the water well. Close all faucets, fixtures and start the submersible pump and allow the system build up its usual system operating pressure. Once the pump reaches its normal shut-off pressure, watch a pressure gauge to insure water pressure is holding steady. The Model 70 Auto Drain Valve is now re-set in a closed position for normal water system operation.

WATER SYSTEM SHUT DOWN

Shut the power off to the submersible pump. Open the faucet or fixture that is located less than 18 feet vertical elevation from the Model 70 Auto Drain Valve. The water system pressure is lowered as the faucet is kept open. Once the system pressure reaches approximately 10 psi, the Model 70 Auto Drain Valve will open and drain the water system back down the well.

Limited One Year Warranty: Flomatic valves are guaranteed against defects of material or workmanship when used for the services recommended. If, in any recommended service a defect develops due to material or workmanship, and the device is returned, freight prepaid, to Flomatic Corporation within 12 months from date of purchase, it will be repaired or replaced free of charge. Flomatic Corporations' liability shall be limited to our agreement to repair or replacement of valve only.