



## Product Overview

The Automatic Water Level Control Valve is a fully automatic, mechanical valve designed to replace traditional float ball valves. It adjusts water flow automatically based on water level changes, with no electricity required.

## Key Features

- **Auto-Refill:** Automatically starts adding water when the level drops.
- **Auto-Stop:** Automatically shuts off when the water reaches the preset level.
- **Eco-Friendly:** Made from durable nylon and powered entirely by water pressure, requiring no electricity.

## Specifications

Body Material	Nylon
Fasteners	304 Stainless Steel
Operating Pressure Range	0.2 – 10 kg/cm <sup>2</sup> (2.8 – 142 PSI)
Operating Principle	Mechanical (driven by water pressure)
Applicable Media	Clean water / Tap water only
Thread Sizes	1/2", 3/4", 1" (NPT compatible)
Maximum Operating Temperature	70°C

**Note:** The valve will not function properly if water pressure is below 0.2 kg/cm<sup>2</sup> (2.8 PSI).

## Connection & Configuration



1/2 inch side water inlet



3/4 inch side water inlet



1 inch side water inlet



1/2 inch top water inlet



3/4 inch top water inlet



1 inch top water inlet

## Packing List



1/2" Float Valve

### Base Unit:

1 x 1/2" Valve Body

### Included Components:

- 1 x Outlet Elbow
- 1 x Side Inlet to Top Inlet 1/2" Conversion Elbow
- 1 x 1/2" to 3/4" Adapter
- 1 x 1/2" to 1" Adapter
- 1 x Roll of Teflon Tape
- 1 x Filter Screen

## Connection Instructions

**Note:** The valve has a Male Thread, so the connecting pipes must have Female Threads.

### 1/2" Setup:

Side Inlet: Directly connect the 1/2" pipe.

Top Inlet: Connect the top inlet elbow, then attach the 1/2" pipe.

### 3/4" Setup:

Side Inlet: Use the 1/2" to 3/4" adapter, then connect the 3/4" pipe.

Top Inlet: Connect the top inlet elbow, attach the 1/2" to 3/4" adapter, then connect the 3/4" pipe.

### 1" Setup:

Side Inlet: Use the 1/2" to 1" adapter, then connect the 1" pipe.

Top Inlet: Connect the top inlet elbow, attach the 1/2" to 1" adapter, then connect the 1" pipe.

## Installation Instructions

**Important:** Please read all instructions and precautions before installation.

### 1. Clean the Pipes:

Flush the water supply line to remove any sand, stones, or debris. Foreign particles may block the valve and cause malfunction.

### 2. Verify Installation Orientation:

The valve must be installed vertically with the float mechanism hanging straight down. Do not install the valve at an angle.

### 3. Connect the Inlet Pipe:

Side Inlet: Connect the pipe from the side, ensuring the valve body hangs downward.

Top Inlet: Connect the pipe from the top, ensuring the valve body hangs downward.

If leakage occurs at the threaded connection, please apply Teflon Tape to ensure proper sealing.

### 4. Secure the Valve:

Firmly fix the inlet pipe to a level surface, then tighten the valve securely. Do not overtighten.

## Safety & Operating Precautions

### 1. Water Pressure:

The operating pressure must be between 0.2 – 10 kg/cm<sup>2</sup> (2.8 – 142 PSI). Do not use in low-pressure, gravity-fed systems with a water drop of less than 2 meters (approx. 6.5 ft).

### 2. Vertical Installation:

The float mechanism must remain vertical during operation.

### 3. Fully Open Supply Valves:

All upstream shut-off valves must be fully open during operation.

### 4. Dual Valve Setup:

If installing two valves in the same tank, position both valves at the same horizontal level.

### 5. Minor Dripping:

A small amount of water dripping from the bottom of the valve during filling or shut-off is normal.

## Maintenance & Troubleshooting

**Common Issue:** Slow Filling or Incomplete Shut-Off

**Possible Cause:** Debris blocking the internal filter.

### Solution:

Shut off the water supply.

Remove the inlet section of the valve.

Clean the internal filter screen with clean water.

Reassemble the valve and reinstall it.

Regular cleaning will help maintain optimal performance.

## Disclaimer

Suitable for Clean Water Systems only. Not for Potable Water (Drinking Water).

Improper installation or use outside the specified pressure range may result in malfunction or damage.