

# Fill Valve Installation Instructions

## Installation Drawing

Refill tube (A refill tube is optional based on the user's requirements)

**Instructions**

1. Please read carefully the following installation instructions in order to avoid component damage or injury to the installer.
2. The instructions have been composed based in the latest product specifications. We reserve the right to make modifications to the packaging and specifications without providing prior notification.
3. When installing the fill valve, the critical level on the fill valve (identified on the valve marked "CL") should be at least 1" (25.4mm) above the top of the overflow pipe of the flush valve. This is a plumbing code.
4. We shall not be responsible for failures that are contributed to the use of parts other than those specified.
5. Water Temperature: 2°C to 45°C
6. Water Pressure Range: 0.02Mpa (0.2 Bar) to 0.8Mpa (8 Bar)

**warning**

DO NOT USE OR DROP ANY CHLORINE OR ANY CHEMICAL RELATED COMPONENTS. USE OF SUCH PRODUCTS WILL (1) RESULT IN DAMAGE TO TANK COMPONENTS AND MAY CAUSE FLOODING AND PROPERTY DAMAGE AND (2) VOID WARRANTY. DO NOT OVERTIGHTEN NUTS, OR TANK/BOWL MAY CRACK.

**Step 1 Work Preparation** Remove the inoperative tank fittings and carefully clean the water cistern/tank. Make sure all debris has been removed prior to installing new tank fitting.

## Step 2 Fill Valve Installation

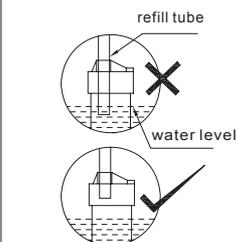
1. Unscrew the bracket bolt. Locate/install the fill valve onto overflow pipe of flush valve.
2. Screw the bracket bolt.
3. Connect water supply into inlet shank, turn on the water supply valve
4. Check if the inlet valve is under normal operation and adjust the inlet valve float adjustment thumbscrew clockwise (for higher float & water level) or anticlockwise (for lower float & water level) according to the requirements.

## Step 3 Cleaning Filter (Filter which is located inside the inlet valve shank is required for cleaning periodically)

1. Shut off the water supply valve (angle stop) then remove the water supply line from the inlet adaptor.
2. Pull the refill tube (optional) from inlet valve, take inlet valve from the bracket.
3. Unscrew fill valve nut, remove inlet connector, nut and filter.
4. Clean the filter screen with water
5. Install back the clean filter and inlet connector. (Note: The opening of inlet connector goes into the inlet body and screw up the nut)
6. Re-install inlet valve back into the bracket, insert the refill tube (optional) back to inlet valve.

7. Connect water supply into inlet shank, turn on the water supply valve (angle stop)

## Step 4 Installation of Refill Tube



Installation of refill tube (optional) Make sure refill tube is above water line.

## Troubleshooting

Issue	Cause	Resolution
Water line is too high or too low	Inlet valve is not adjusted to a suitable position	Adjust the water level to the appropriate water level
Inlet valve does not turn on	1) Water supply valve/angle stop is off. 2) The cistern/tank wall has blocked the movement of the inlet valve float. 3) Filter screen is dirty	1) Turn on the water supply valve/angle stop. 2) Adjust the fill valve to the appropriate position and make sure float can move freely. 3) Clean filter screen
Inlet valve does not shut off	1) The cistern/tank wall has blocked the movement of the inlet valve float. 2) The refill tube wasn't installed properly. 3) Leakage of flush valve. 4) The water level is above overflow pipe of flush valve.	1) Adjust the fill valve to the appropriate position and make sure float can move freely. 2) See figure attached to re-install refill tube correctly. 3) Make sure none leakage of flush valve. 4) Re-adjust water level and installation height to appropriate position.