

Fill Valve Installation Instructions

Installation Drawing

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 RESULT IN DAMAGE TO TANK COMPONENTS AND MAY CAUSE FLOODING AND PROPERTY DAMAGE AND VOID WARRANTY. DO NOT OVERTIGHTEN NUTS, OR TANK/BOWL MAY CRACK.

The height of "H" & "L" doesn't include the height of triangle seal.
 9" fill valve pipe H adjustable range 198-273mm L adjustable range 104-184mm or 113-193mm
 10" fill valve pipe H adjustable range 218-313mm L adjustable range 124-224mm or 133-233mm
 11" fill valve pipe H adjustable range 243-338mm L adjustable range 150-250mm or 159-259mm

I. 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 fittings.

II. Major Water Adjustment

1 Remove the clip as per the drawing.

2 Unscrew the fill valve body counterclockwise, push the body up or down to the desired height and refasten valve body by turning clockwise.

3 Install the clip as per drawing.

III. Minor Water Adjustments

1 Minor water level increasing: Raise baffle to desired height and rotate cam counterclockwise to set baffle at proper position. Each 1 scale of baffle up makes water level 1-2mm higher.

2 Minor water level decreasing: Lower baffle to desired height and rotate cam clockwise to set baffle at proper position. Each 1 scale of baffle down makes water level 1-2mm lower.

IV. Fill valve Installation

1 Unscrew the nut and remove both the plastic and rubber washer (optional).

2 Insert the fill valve into the installation hole at the bottom of the tank and then install the rubber and plastic washer (optional) and tighten hex nut. Installation torque recommendation:
 1. Recommended torque for locknut with rubber washer and plastic washer or with plastic washer only is 4-6 N.M. (Newton Meters)
 2. Recommended torque for locknut without rubber washer and plastic washer is 7-10 N.M. (Newton Meters)
 Remark: Please observe if there is any leakage after installation. After tightening the nut, ceramic installation hole may distort and can result in leaking.

3 Insert the refill tube (optional) into the overflow pipe of the flush valve.

4 Install water supply pipe onto the shank of the fill valve and turn on water supply valve/angle stop. Choose adaptor or wing nut based on actual requirement.

V. 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 Remove the filter screen from the inner portion of the shank.

3 Clean the filter screen with water.

4 Re-install clean filter back into the inner portion of the shank.

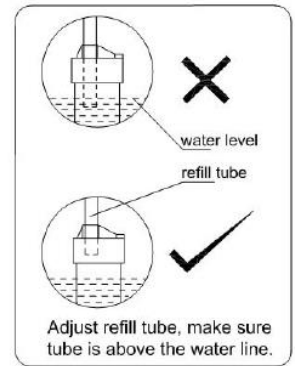
5 Insert the water supply line back to the inlet valve shank and turn on the water supply valve/angle stop.

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VI. Troubleshooting

	Issue	Cause	Resolution
1	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 .
2	Inlet valve does not shut off.	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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.
3	Inlet valve does not turn on.	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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

Installation of refill tube:



If you have any questions or concerns email us at mlcustomerservice@hajoca.com