

CISTERN VALVES OPERATION & INSTALLATION INSTRUCTIONS

The Philmac cistern valves operate by opening and closing a plunger against a seat through the action of a lever arm attached to a float. The lever arm is interconnected to the plunger via a cam. As the water level drops, the float and lever arm move in a downward direction allowing the plunger to move away from the seat, which opens the valve. When the water level rises, the float and lever arm move in an upward direction and the plunger moves towards the seat until it sits firmly against the seat and shuts the valve off.



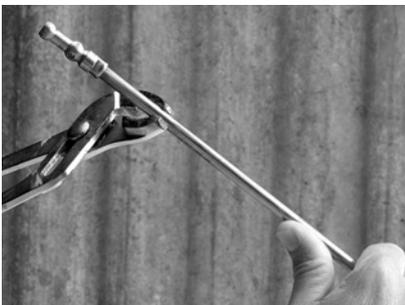
1. Insert the cam end of the lever assembly into the valve plunger recess. This may require rotation of the plunger to align it to the correct position. Align the cam hole with the valve housing and insert the pivot pin then flare the ends to secure.



2. Remove the back nut from the bottom of the valve and insert the threaded section of the valve into the base of the cistern or small tank. Ensure the stem sleeve is in direct contact with the base of the tank so that it seals and prevents water from leaking.



3. Screw the back nut onto the thread and tighten.



4. Where necessary bend the lever arm to adjust the water level. This can be done by removing the lever arm assembly by first straightening the tabs on the end of the pivot pin with a pair of pliers then slide it out.

By using a pair of multi-grips or equivalent the lever can then be bent to the necessary angle.

Adjust the lever arm and then refit. Once the correct lever arm angle is achieved ensure the pivot pin tabs are flared outward by using a small screwdriver.