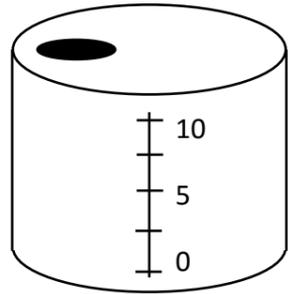


Installation Instructions for LiquiLevel Tank Level Indicator

Fitting the LiquiLevel is simple and should not take more than 1 hour. Fits all storage tanks; Plastic steel, GRP concrete, any diameter tank and any height tank upto 5 metres. Longer cord available for taller tanks. If you want to install LiquiLevel to an open top tank, then a bracket will have to be fabricated to hold the Liquilevel in the correct position.



1

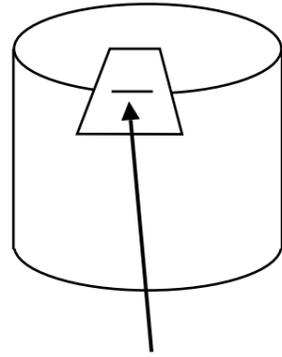


Positioning of the Liquilevel is important.

- Where it can be seen
- Near as possible to a access hatch
- If tank has calibration markings then it would make sense to install the Liquilevel directly in-line with the tank markings.

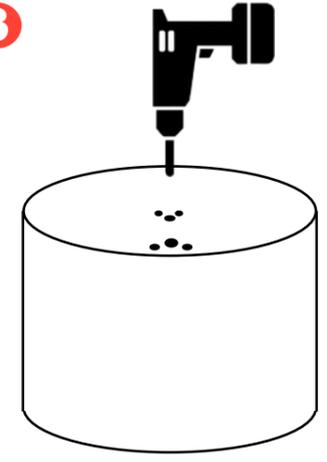
Please note that the LiquiLevel can be fitted to almost any shaped tank with roof covers up to 30 degrees.

2

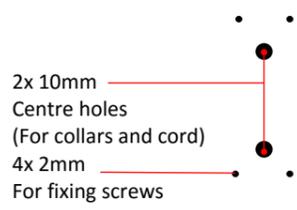


Lay the installation template flat on top of the tank. Tape down the corners if necessary to stop the instructions from moving around. Line up the template until the edge of the tank marking and the edge of the tank line up. Drill 2x 10mm holes. For best practise use a 2mm drill bit as a pilot hole for each hole and then drill the correct size 10mm centre holes. Self tapping self drilling screws are provided, so if the Liquilevel is installed on a plastic tank the 4 pilot holes for fixing the bracket is unnecessary.

3

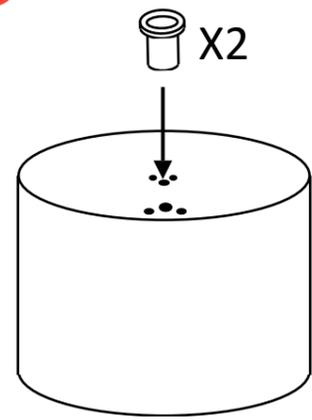


You should end up with 6 holes in the top of your tank:-



2x 10mm Centre holes (For collars and cord)
4x 2mm For fixing screws

4



Insert the 2x Plastic Cord protection collars into the 10mm centre holes. Please note that these collars should fit tightly into the tank, so may need to be tapped in gently using a hammer/mallet.

5



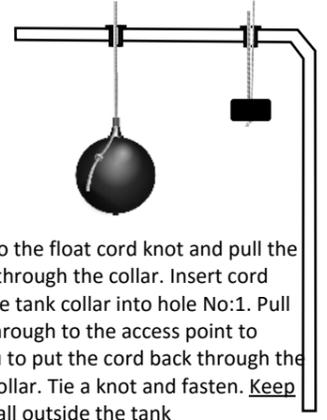
Fill a Bucket with clean cold water. For the system to function correctly the Float ball must be filled up with clean water. Submerge the float ball in the bucket completely, so that water starts to enter through the M6 threaded hole at the top of the ball. Using the straw provided, insert the straw through this hole (Short end) until you reach the bend point of the straw. Start sucking on the straw until water comes out. At this point the float ball will have the correct volume of water in it. **THIS IS IMPORTANT** as the operation of the LiquiLevel system depends entirely on the float ball. If you have some weighing scales the float ball should now weigh 600+grams (with the correct amount of water in it).

6



With the Float ball now filled with water, insert the Black M6 Grub screw through the threaded hole on the float ball base. Use thread sealant or PTFE Tape. **DO NOT OVERTIGHTEN.**

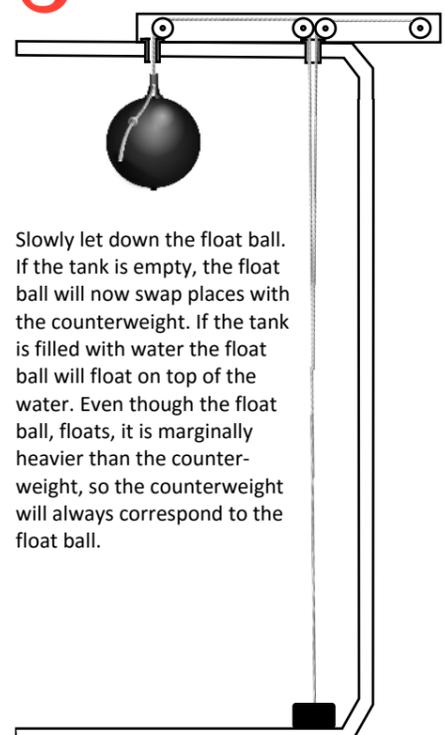
7



Firstly undo the float cord knot and pull the cord back through the collar. Insert cord through the tank collar into hole No:1. Pull the cord through to the access point to enable you to put the cord back through the float ball collar. Tie a knot and fasten. Keep the float ball outside the tank

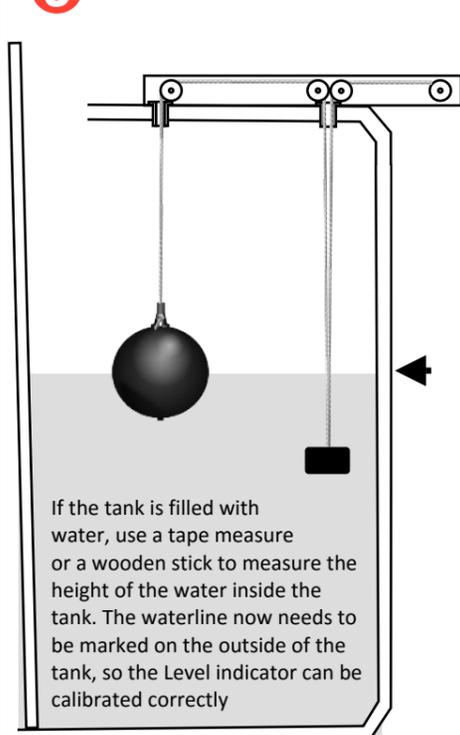
Undo the counter weight knot/s and insert the two counterweights cords through the tank collar into hole No:2. Pull the cord through to the access point to enable you to put the two cords back through the counterweight. Tie a knot and fasten. Slowly lower the Counterweight until the counterweight reaches the bottom of the tank. When the counterweight sits on the bottom of the tank, the float ball should be at the top of the tank. The cord will have to be adjusted to suit the height of your tank

8



Slowly let down the float ball. If the tank is empty, the float ball will now swap places with the counterweight. If the tank is filled with water the float ball will float on top of the water. Even though the float ball, floats, it is marginally heavier than the counterweight, so the counterweight will always correspond to the float ball.

9



If the tank is filled with water, use a tape measure or a wooden stick to measure the height of the water inside the tank. The waterline now needs to be marked on the outside of the tank, so the Level indicator can be calibrated correctly

10



With the waterline marked on the exterior of the tank, the Level indicator can now be aligned so that the reflective strip matches the waterline. Adjust the knot accordingly. Cut of excess cord and re insert the indicator plug

Installation Template for LiquiLevel Tank Level Indicator

