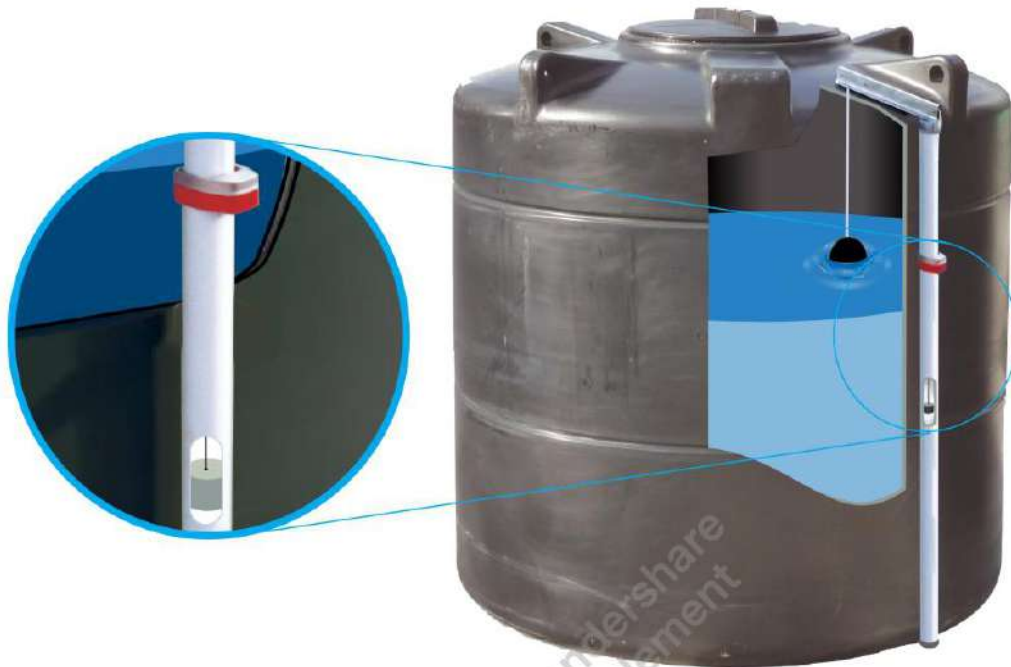


Float Level for Chemical applications



Operating in the same way as the standard Float Level, the Float Level chemical actions uses an guide tube. The Indicator slides up and down outside of the tube and the counterweight is inside the tube. This type of Float Level is suitable for Chemical applications as it is only in contact with the liquid. The Ball float is made from polypropylene which has good compatibility.

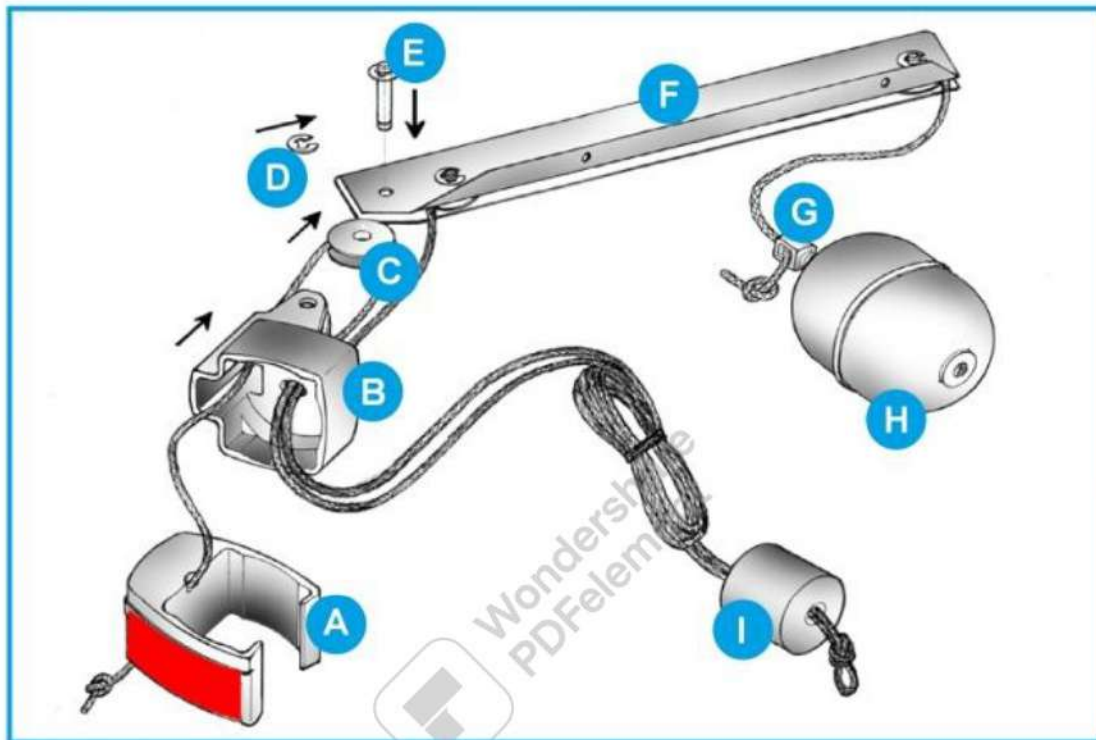
Applications include; Waste Oil, Effluent, Hydrochloric Acid, Liquid Fertiliser, Phosphoric Acid, Waste water and water.

Benefits

- 5 Year warranty. Built to last. Float Level gauges use corrosion-free materials to perform reliably in exposed conditions, year in, year out. Stainless steel Float Level bracket, Stainless steel circlips and screws and washers, marine grade delrin pulleys and bushes. No plastic, plating or powder coating to peel off.
- Excellent chemical compatibility
- 'Captive' on the guide tube, the diecast Aluminium indicator is not affected by wind or other disturbances.
- Highly visible Reflective aluminium tank indicator
- Quick and simple installation. Template provided to mount Float Level bracket correctly. No need to get inside the tank for installation. no need to drill big holes
- Simple- No gimmicks, no batteries, just a simple float, weight and pulley system
- Designed for tanks upto 6 metres in height. Longer cords available for tanks over 4 metres. Please contact us for details
- At all times the indicator matches the liquid level exactly.
- Comprehensive instructions included with every Float Level

Installation Instructions

All parts necessary for installation are supplied **except** the guide pipe:
Round Pipe – 2 inch (60.3mm OD), galv. steel or plastic, or 50NB DWV (56mm OD) plastic
Square Tube – 2 inch (50.8mm) and 50mm square, thin wall, steel or aluminium.



- A. Aluminium Tank level indicator with Red Reflective Band.
- B. Aluminium Top Guide Cap
- C. Pulley wheel
- D. Stainless Steel Circlip
- E. Stainless Steel pulley Axle.
- F. Level Stainless Steel Pulley bracket.
- G. Ball float/ Cord Fixing
- H. Ball Float
- I. Galvanised Counterweight.

1 Unpack and lay the components neatly on a bench

For clarity, the above diagram is an "exploded" view of the C-Level (Bottom guide Cap is not shown.)

Unfold the cord making sure the cords are free from twists and tangles



2 Fill float with water*

Unscrew the float screw cap, insert the drinking straw provided just inside the hole, submerge the float under water and suck the air out.

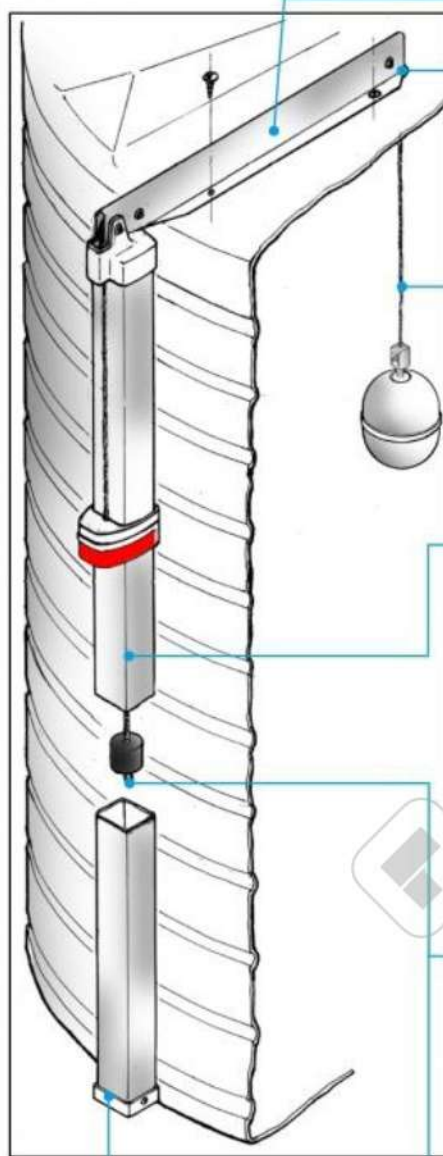
Water will rush in around the straw until only a small bubble of air remains inside.

Screw the float cap back into float.

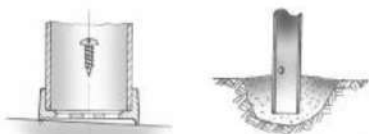
* Water may react with some chemicals, e.g. acids. If so, use sand or other inert material instead. Total weight of float should be 560 to 570 grams.

Installation Instructions

Follow Steps 3 to 9 in Sequence



- 3 Mount the stainless steel pulley bracket** on tank roof using the 2 stainless steel self-tapping screws, drilling tank roof to suit. It should overhang such that the pipe/tube clears the tank.
- 4 Drill float cord hole**
The hole must be big enough to prevent chafing - about 10 to 20 mm diameter.
- 7 Thread float cord** through its hole in the tank roof, re-tie it to the float Cap, and let the float hang freely.
- 6 Erect pipe/ tube (NOT INCLUDED)**
Insert the pipe/tube in the Bottom Cap and stand it up beside the tank, mark and cut it to length, allowing correct length of engagement inside the Top Cap (10mm for 50NB (2 inch) round pipe, 22mm for 50mm (2 inch) square galvanized steel tube and 56mm OD PVC round pipe.) Insert counterweight and let it slide down inside. Slip the indicator over the outside of the pipe/tube and let it slide down too. Stand pipe/ tube in bottom mounting, then push on Top Cap. (Temporarily loosen Crosshead to allow room to manoeuvre.) The Guide tube should be one piece and not joined together. This will ensure that the counterweight and the level indicator can 'slide' up and down the tube correctly.
- 8 Adjust float cord length** With the counterweight fully down the float should be fully up. Shorten float cord as necessary by pulling it through the counterweight until float is fully up, then re-tie the knot.
- 9 Adjust indicator cord length** Simply pull its cord through until the red band on the indicator is at the same height as the centre of the float, re-tie the knot, and cut off excess cord.
- 5 Prepare bottom mounting** For tanks on ground the simplest way is to dig a small hole and pack the earth around the bottom of the pipe. (Concrete can be used instead of earth backfill.)



For tanks on a base the simplest way is to fix the Bottom Cap to the floor. The thin rim on the underside of the Bottom Cap can be filed or ground away to suit a sloping floor.

Allowing the counterweight to hang like a plumb bob is a convenient way to make sure the guide pipe is vertical and to mark the position of the Bottom Cap & screw.