

The **G/LL28/08** and the **G/LL28/09** are mechanical liquid level gauges which use a float on the liquid to drive a pointer, through a bevel gear arrangement, to indicate the depth of liquid on the scale. A stainless steel float arm of either 1/2 or 1 metre length is supplied with the gauge.

The gauges are sealed to IP67. To negate the possibility of leakage from the tank, through the gauge, the flange is solid aluminum, nickel plated. The needle pointer is driven by a magnetic field, operated by the float movement, within the sealed tank.

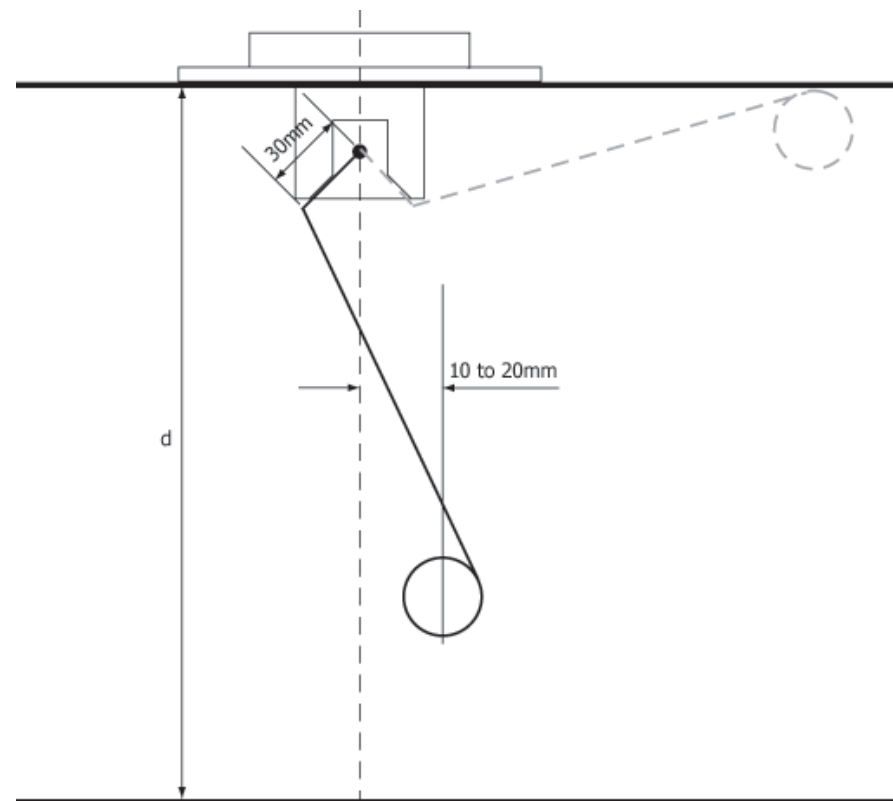
The gauge is designed to fit a $\varnothing 50 \sim 63$ mm hole either in the top surface or vertical side of the tank which must be drilled to accommodate the bolts or screws which pass through the gauge flange..

Float arm adjustment G/LL28/08 (Top Mounted)

- Cut the float arm to the depth of the tank (d) - 10mm, e. g. where the tank is 600mm deep cut the float arm to 590mm.
- Slacken the grub screw and assemble the float arm to the cross hole in the shaft. Ensure that the gauge reads empty with the float in the lowest position and full, with the float in the highest position. If not, it may be necessary to rotate the shaft by 180 degrees and insert the float arm the other side of the cross hole.
- Tighten the grub screw securely to grip the float arm.
- Bend the float arm to an angle, with 2 pairs of pliers, 30 mm from the end of the float arm to achieve the form given in the diagram below. The angle required will be 120 degrees or larger and should be formed such that the float is positioned just the right of the centre line as shown on the opposite page.

Float arm adjustment G/LL28/09 (Centre of side Mounted)

- Cut the float arm to the depth of the tank (d) X 0.7, e. g. where the tank is 600mm deep cut the float arm to 420mm.
- Slacken the grub screw and assemble the float arm to the cross hole in the shaft. Ensure that the gauge reads empty with the float in the lowest position and full with the float in the highest position. If not, it may be necessary to rotate the shaft by 180 degrees and inset the float arm the other side of the cross hole.
- Tighten the grub screw securely to grip the float arm.



Installing the Gauge

Feed the float arm into the tank through the mounting flange hole. A gasket and jointing compound should be used to ensure a leak proof joint between the tank / mounting pad and the gauge flange.

FOZMULA

INNOVATION IN SENSORS

INSTALLATION INSTRUCTIONS

Model G/LL28 Liquid level contents gauge

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