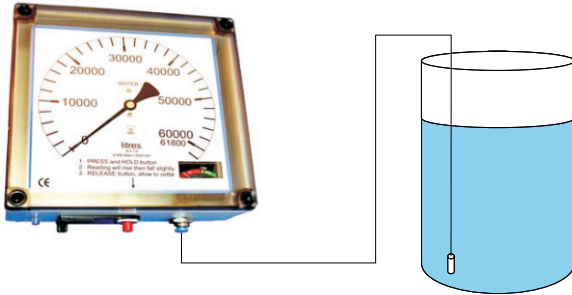




Tank Contents Gauges

TG 3 - 5



Application

Our tank contents gauges are suitable for a wide range of fluids including food stuffs and chemical solutions. They provide an accurate measurement of contents with proven reliability and durability. Are suitable for tanks up to 8m in depth and are

extremely easy to install with capillary lengths of up to 200m possible.

The gauges use the hydrostatic principle and are therefore also suitable for use with volatile liquids. The integral electric air pump charges the system for a pre-set time when a reading is required. This forces an amount of liquid to be displaced from the balance chamber. The resulting pressure in the balance chamber is proportionate to the head of liquid in the tank and this is indicated on the gauge. The gauge itself can be mounted remotely and can be disconnected without affecting the systems calibration.

Reading Options

The TG3 gauge uses an integral timer to provide reading at pre-determined intervals and is powered by ultra long life Thionyl Chloride Batteries. This offers approx 10 years of operation before replacement batteries are required.

The TG4 gauge provides a 'press to read' facility in place of the timer on the TG3 and utilises 'user' replaceable batteries.

The TG5 gauge provides a continuous reading facility by utilising a mains powered pack.

Installation

Mount the gauge in the required position. Insert the balance chamber through a spare 1" BSP or larger boss on the top of the tank allowing the balance chamber to rest on the base of the tank. Tighten the sealing gland on to the 6mm nylon capillary and push the end of the capillary on to the gauge. Note, with these gauges it is not necessary to empty the contents of the tank.

Calibration

Each gauge unit is individually calibrated and scaled, to customer requirements for Rectangular, Cylindrical (Horizontal or Vertical) tanks in litres, gallons, Kg, Tonnes etc.

Specification

Case:	Polycarbonate 180mm x 180mm (or Stainless Steel 160mm Surface Mounting Case.)
Dial:	Black letters on white background
Connection:	6mm push-in fitting
Timer:	Pump on 5-20secs, pump off 0.5 - 24hrs
Battery life:	10yrs, subject to usage

For Sales or further information contact our Sales Engineering team



Tank Contents Gauges

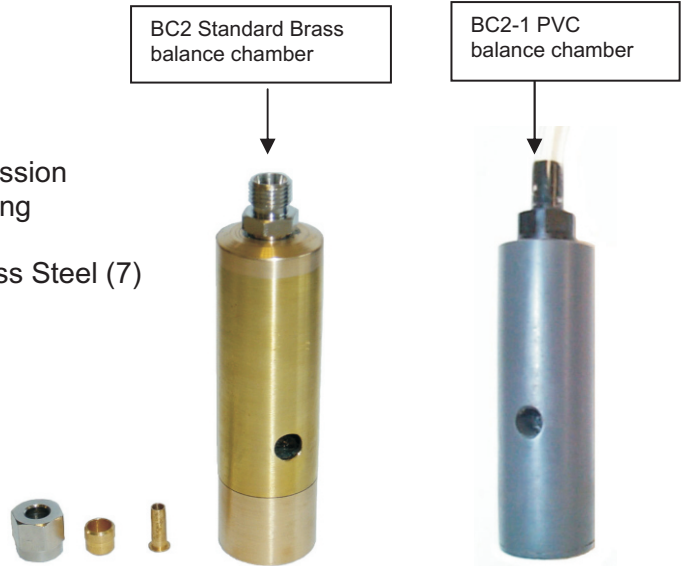
TG 3 - 5

BC2 – Standard Balance Chamber

Construction:- Brass with compression fitting for 6mm tubing

Also Available in:- PVC (1) or Stainless Steel (7)

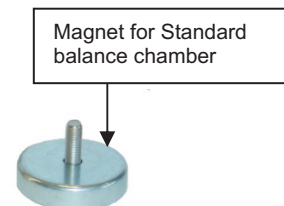
Requires a 1" bsp Tank Adaptor



BC1 – as BC2 but with Magnet

Construction:- As BC2 but with attached magnet to stabilize the balance chamber in position when tank is being filled.

Requires a 1 ½" bsp Tank Adaptor



BC3 – Rigid Balance Chambers

Construction:- PVC (1), Copper (6) or Stainless Steel (7).

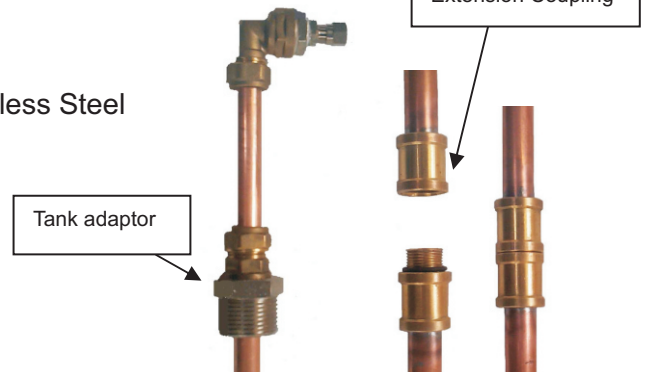
Requires a 1" bsp Tank Adaptor



Tank Adaptor 1" or 1½" bsp

Tank adaptor

Extension Coupling



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