



Liquitainer®/Firetainer®

When space is at a premium, the Liquitainer/Firetainer tank offers the ideal solution for bulk water storage, both indoors and outdoors. Designed for flexibility, these tanks can be manufactured in a wide range of shapes and virtually any length or width, with a maximum height of 5.35m to suit space-restricted environments.

>>> Versatility.

A variety of shapes and sizes can be supplied. Existing obstructions such as building support columns can be encapsulated within the tank by sleeving' the membrane liner around them

Simplicity.

There is no need to seal the tank to the concrete foundation. The membrane liner has a floor in it and the tank shell is simply bolted to the foundation

->> Assembly.

No sealants are used in the construction of the tank. All that is required is straightforward site assembly.

Low maintenance & long life.

The outer steel structure is hot-dip galvanised to BS EN ISO 1461 (2009), with shell panels made from heavy-duty spangled galvanised steel to BS EN 10346 S220GD + Z600-M.

Internally, a membrane liner isolates the water from the tank shell to minimise corrosion. Unlike traditional coatings, the liner will not rot or degrade under normal storage conditions.

A wide range of shapes can be catered for, with a maximum height of

5.35m.

Design

The tank comprises galvanised steel modular panels, vertical columns, and a corrugated decking roof. A raised valve housing sits above the roof to accommodate inlet float valves.

The structure is site-bolted and fitted with an open top flexible liner, available in Butyl, EPDM, or Flagon.

Steelwork is designed to limit state principles in accordance with:

- BS 5950-1 (Structural use of steelwork)
- BS 6399-1 (Dead and imposed loads)
- BS 6399-2 (Wind loads)

Franklin Hodge Industries LTD Jubilee Building, Faraday Road,
Westfield Trading Estate, Hereford, HR4 9NS



Liquitainer / Firetainer Technical Data

Approvals & Standards Compliance

Firetainer® tanks are approved by the UK Loss Prevention Certification Board for the storage of fire sprinkler water

Capacities

Capacity 10m3 to 1,300m3. Maximum height of 5.35m. Larger capacities available for non LPCB approved tanks.

Ancill aries/Accessories A wide range of equipment and fittings are available, including:-

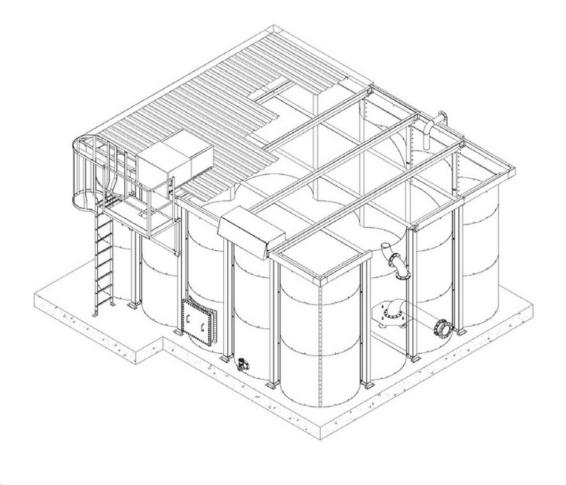
Ball float valves, high and low level switches and sump liners.

Immersion heater (where situated outdoors), anti-vortex device, contents gauge, external ladder and working platform, WRc Type 'AB' airgap and low level manway.

Foundations All that is required is a flat load bearing slab. Level tolerance +/- 6.0mm across slab.

Calculation of tank loading (full) is by multiplying the rim height by 9.81 = kN/m2

Typical layout of Liquitainer/Firetainer





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