



“ATCM GRP Sectional Tank Specification”

GRP Sectional Tanks shall meet the requirements of BS EN 13280:2001 "Glass fibre reinforced plastic cisterns for cold water storage". The tank, together with its components shall be WRAS approved. The tank offered by the supplier shall be WRAS approved but where the purchaser requires variations to the specification offered which makes the tank no longer compliant, the supplier shall inform the purchaser.

The tank panels for the sides and cover shall be insulated with a minimum of 25mm of foam and a resultant insulation value better than $0.06 \text{ W/m}^2/\text{C}$. The insulating material shall be manufactured using CFC and HCFC free blowing systems which have a GWP (Global Warming Potential) = 0.

All fasteners which are used wholly or partly internally within the tank shall be manufactured from grade 316 stainless steel, (grade 1.4401 in BS EN 10088-3:1995). External fasteners shall be galvanised to BS 7371- 6:1998 and external supports to BS EN ISO 1461:2009. Where stainless and galvanised components are connected, the metals shall be isolated from each other.

No internal structures shall be permitted where there is potential for water stagnation.

Where the tank capacity is greater than 1000 litres and is the sole water supply the capacity shall be split between two separate tanks (not a single tank with a partition).

The tank to be complete with the following:

Separate accesses for entry and inlet maintenance wherever possible

Corrosion resistant internal ladder shall be provided on tank depths \Rightarrow 1 m

Corrosion resistant external ladder shall be provided with hooped extensions where possible.

Where the top of the tank is \Rightarrow 2 m from finished floor level a full cage is required together with a full perimeter guard rail, including kick plates. Additionally, as a requirement at the top of an External Ladder supplied in compliance with BS 4211:2005 + A1:2008 a Safety Gate shall be fitted at the step off position.

Within 10 days of completion of installation the tank shall be filled, tested and remain at working capacity.