

GENERAL DESIGN SPECIFICATION – DECCA TANKS GRP ONE-PIECE TANKS

1.0 Construction.

All cistern(s) shall where indicated be manufactured to the following **Standard BS280:2001, European Standard EN.13280:2001 & Singapore Standard 245:1995 for world wide usage.** The resin shall be top grade orthophthalic BS3532 & BS2782 and pigmented to BS4800 colour range Re. 10A05 leaving a smooth gel coat finish internally & externally.

2.0 Materials

All materials shall be WRAS approved.

3.0 Bracings.

All tank(s) shall where indicated have an internal bracing system. All internal components shall be of stainless steel.

4.0 Fixings.

All external fixings shall be zinc plated and passivated or galvanised to BS729. All internal fixings shall be stainless steel construction BS970.

5.0 Sealant.

All joints & bolts shall be sealed with WRAS approved materials.

6.0 Working & Maintenance Access Requirements

There shall be a minimum working access of 450mm above the external size of the cistern. Allowing good working practices for the insulation & future maintenance purposes.

7.0 Base Support.

The tank shall be supported in accordance with the tank manufacturers recommendations and tolerance.

8.0 Access Man ways.

All sectional tank(s) shall have a flat, Byelaw 30 Cover (s), suitable supported. Access to the ball valves shall be via a 300 x 300 inspection hatch and for cistern(s) storing over 1000 litres a standard 600 x 600 man way shall be provided. (BL30, 2C(ii) & B131).

9.0 Catchment tray(s) (Optional).

The sectional tank(s) shall be positioned above a GRP catchments tray, which shall be 150mm larger than the cisterns overall size and have a 150mm upstand. The tray shall also be fitted with a drain connection.

10.0 Connections.

The tank connections shall be as the tank schedule. All tank connections shall be UPVC all service connections shall be fabricated within the cisterns. All connections up to 54mm shall be supplied female (bsp) thread and all connections above 54mm shall be flanged to PN16 (to BS5159 & BS4504). Holes shall be cut with conventional tools. The holes must be a snug fit.

11.0 Maintenance Dividers (optional).

On request new sectional storage tank(s) shall have an internal maintenance divider fitted within the cistern, allowing maintenance works to be carried out without disturbing the system.

12.0 Access Ladders

Tank in excess of 1.8 metres depth shall be fitted with GRP internal & external ladders top BS4211.

13.0 Overflow Units.

Screened overflow units and early Warning pipes shall be fitted as standard to Byelaw regulations.

14.0 The tank shall be manufactured and supplied by:

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