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Sarena One-Piece GRP Water Tanks

Durable, moulded tanks up to 25, 000 litres for long-term water storage

SARENA One-Piece tanks are manufactured by hand laminating GRP composite on purpose made tooling at SARENA's premises in the Midlands.

Only resins specifically formulated for drinking water are used for the laminate. The laminating process is partially automated by the use of roller dispensers and consistent reinforcement schedules.

The laminate may incorporate sandwich cores and structural ribs depending upon the tank size. Also depending upon specification, factory fitted thermal insulation can be incorporated, protected by a further laminate layer. Insulation is normally 25mm thick to provide a U value of 0.8 W/m²K. 50mm or 75mm thick are also available as options.

One-Piece tanks are available with covers, supplied loose or sealed and can be fitted with access hatches and raised inlet valve chambers for type AB airgaps.

A common application of one-piece tanks is the storage of drinking water. This is the **W16-4** tank that comes factory pre-insulated with 25mm thick polyurethane foam, an insulated sealed cover, an access hatch (1000 litre size upwards), Combiscreen overflow and warning pipe, EPDM vent pipe, grommet seal and screened air vent.

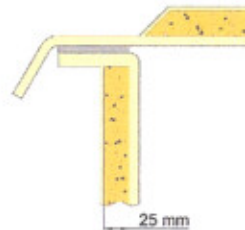
For situations where a standard tank cannot be accommodated, non-standard sizes can be fabricated to order. These are generally offered up to about 6000 litres and a height of 1500mm, although through the use of a fully moving crane, SARENA can manufacturer up to 25, 000 litres.

One-Piece tanks can also be specified as horizontally split. This configuration allows ease of handling at restrictive sites without the cost premium associated with a sectional tank.

- **Comprehensive size range**
- **W16-4 Water Regulations compliant**
- **Purpose made manufacturing plant and tooling**
- **Design proven over 30 years**
- **Full range of standard accessories**



**ONE-PIECE TANK WITH
HORIZONTAL SPLIT**



**25mm INSULATION
PROVIDING A U
VALUE OF 0.8 W/m²K**



**5000 L CHEMICAL
HOLDING TANK**

- GRP— Isophthalic UP resin and gelcoat with chopped strand mat glass-fibre reinforcement
- Insulation—Low density PUF fully encapsulated within tank laminate
- Colour: Grey
- Design Basis—BS EN 13280:2001

