PRESSED STEEL
SECTIONAL WATER TANK

ALPHA TANKS SOLUTIONS CC
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SECTIONAL STEEL PANELS

ALPHA TANKS is a supplier and installer of sectional steel water tanks. These tank panels are mild steel panels fabricated under hydraulic pressure to create 45 and 90 degree flanges. Standard panels have nominal external dimensions of 1220mm x 1220mm and is also available in 1000mm x1000mm with various thickness.

Standard base and side panel thicknesses produced are 6mm, 4.5mm, 3mm and roof panels of 1.5mm.

Uniformity of panels allows ease and speed of erection, reducing construction and installation time and cost.

**Internal accessories** used for stabilising and support in tank structure:

- **Bracings** - Tank is supported internally by bracing (stays) and cleats (brackets) and shall be of similar grade of panel.
- **Trusses** - To support roof
- **Pipe support** - To support trusses
- **Sealants** - Non-toxic PVC foam sealant for all jointing between panel flanges for water tightness
- **Ladder** - Standard ladder of similar height

**External accessories**

- **Ladder** - Standard ladder of similar height. Cages provided with ladders above 2.44m
- **Level indicators** - Standard mechanical ball float type. PVC transparent tube direct reading indicator calibrated in meter with float and valves is optional on request
- **Nuts and Bolts** - To be as per required tank design

**Corrosion protection**

All steel components, internal and external, are hot dipped galvanised.
ALPHA TANKS offer a high quality product with exceptional service to satisfy customer needs and requirements. Modular design of the sectional panels allows for a variety of possible tank configurations to fit in almost any required/available space.

Our customers include:
- Consulting Engineers
- Fire protection consultants
- Municipalities
- Agriculture sector
- Mining
- Property developers

**EXTRA’S**

- Vortex Inhibitor
- Hand Railing for hatch

**CONFIGURATIONS**

**REGULAR SHAPES**

**IRREGULAR SHAPES** to fit in basements or around corners

**DIVISIONS PANELS** inside a tank

- Long division
- Short division
- Irregular division
INSTALLATIONS

Foundations :
ALPHA TANKS provide basic required suggestions for foundations for the tank installation. Since soil conditions are not the same every-where the required plinths should be approved by a structural engineer. Civil work to be done by customer.

Tank Designs :
Tanks to be manufactured and installed as per designs provided by customers. To assist customer unfamiliar with tank designs we will provide basic drawing for the required volume tank. After consultation with customers the elevations for the connections to be added to drawing with the flange or socket type required.

Installations :
Once confirmation on readiness of plinths have been received a installation team will be deployed to site. Installation will start as soon as health and safety requirements for the site has been done.

Installation completion time is highly dependent on the availability of electricity to complete installation and water for commissioning of tank.

Site install requirements :
- Foundations to conform to specifications
- Electricity
- Water to fill tank
- Scaffolding

Completed Installation :
All commissioned tanks will be free of leaks and will conform to SABS 10329 and Fire protection tanks to ASIB requirements

Tools to be used :
Electric
- Impact wrench
- Extension

Hand Tools
- Spanners
- Vice Grip
- Screwdriver
- T-Bar
- Sockets
- Sesal rope

All installations exclude valves and pipework. In order for tank to be commissioned, the required valves needs to be in place.