
APT SECTIONAL STORAGE TANKS



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Sectional tanks comprise bolted panels and a metal bracing system depending upon size. They are supplied in a palletised form for installation by our trained erectors in the UK or self-build for overseas projects. Tanks are fully WRAS Approved.

Sectional tanks find application wherever access to the tank location is restricted or when large capacities are required. One piece storage tanks only being suitable for capacities of about 6cu.m before handling laminations become dominant.

APT sectional tanks utilise a metric format and are available in a 0.5 increment. Our tanks are available in different formats to suit your application.

IFB Externally flanged sides with internal flanged base

TIF Totally internally flanged

EFB Totally externally flanged

The sectional tank is a carefully integrated design based upon the obvious requirement to prevent leaks for the life of the tank.

This is achieved by:

- Hot press moulding in matched steel tooling to allow manufacture of consistent, precise panels with extremely thick, rigid flanges.
- Fully elastic, dry, EPDM rubber gasket system for ease of installation and no risk of leakage due to creep age hardening of sealants.
- High rigidity galvanised steel bracing system that is simple to fit and allows only negligible movement of the panel joints underload.
- Attention to design details and an understanding of the life cycle of storage tanks.
- In the home market tanks are installed by our own site crews, this provides full feedback for product development and hands-on information to our designers.

Throughout the tank, only the most durable materials are used:

- High grade isophthalic polyester resins with high temperature curing
- Marine grade A4/316 stainless steel fasteners and metalwork Inside the tank
- Hot dip galvanised steel fasteners and metalwork outside
- High performance EPDM gaskets

Our erectors are highly skilled and include slinging and lifting, confined space working, working at heights and safety harness use amongst their skills. This coupled with our technical capability allows us to effectively manage full turnkey projects.



Engineered for long-term storage of water, compliant with the Water Regulations, Approved Code of Practice L8 and BS EN 13280:2001

Panels are formed by hot press moulding machine prepared compound in matched steel tooling. This modern process produces consistent, close tolerance panels with negligible shrinkage and extremely thick bolting faces.

Panels are machine drilled and when required, insulated using polyurethane foam with a tough, weatherproof, ABS capping. The foam is bonded over its full extent and covers the full extent of the panel. A U value of 0.57 W/m²/K is achievable by this 40mm thick system. The insulation extends over the full panel area to minimise condensation.

Panels are sealed using a high performance ribbed, pre-punched EPDM rubber gasket. This is a creep free system to ensure tank performance for many years. Joints are supported by a combination of vertical external beams and internal tie depending upon the tank height. Design is compliant with BS 5950. The tank cover is flat, without tripping hazards and is supported at 1.0m centres with PVCU struts. Accessories include: Tank connections, inlet valves, level sensors, access ladders and type AB airgaps.



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The information in this specification is correct at time of issue; as Aquatech Pressmain design and development programmes are continuous, we reserve the right to make any changes to this specification without prior notice.