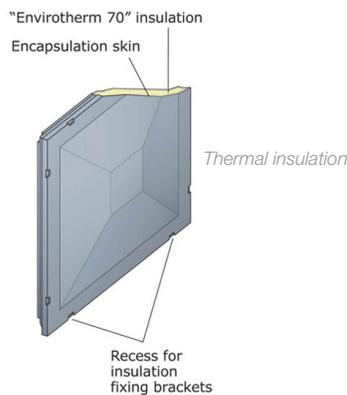




Hot Pressed Steel Sectional Water Tank

Pure Elements offers pressed steel sectional tanks, with capacities of up to 1300m³ that can be installed in water supply projects, food and processing industries, hotels, railways, hospitals and the utilities sectors.

Tanks can be provided for ground level installation or elevated on steel structures that are specifically designed and fabricated.



Features and Benefits:

- **Panel design and materials** – approved by the Water Regulations Advisory Scheme (WRAS) for potable water storage
- **Automated manufacturing** – Manufactured under formal quality assurance procedures to BSEN ISO 9001
- **High grade materials** – tough, vandal resistant for unsupervised sites
- **Easy to build** – only moderate skills required. No on-site welding, no fire hazard
- **Infinite capacity** – flexible system, capacity almost infinitely extendable
- **Multi Compartments** – tanks can be divided to give multiple compartments for maintenance and other needs
- **Flexibility** – ideal for temporary requirements being simple to dismantle
- **Technical support** – technical support provided for site measurements and advice
- **Installation support** – full tank erection and site inspection by trained staff
- **Towers and piers** – design and supply of steel towers for elevated tanks



Pure Elements
Environmental Solutions

Hot Pressed GRP Sectional Tank

Design and Manufacturing

- Approved by the Water Regulations Advisory Scheme (WRAS) for potable water storage
- Bolted mild steel sectional water storage containers
- Plates are hot-pressed to BS1564:1975 Type 1.
- The panels are manufactured in 1m² and 1.22m² (4ft²) sizes with thicknesses ranging from 4-6mm depending on tank depth and use
- Steel used conforms to BSEN10025:1993 S275JR (43A equivalent)
- Manufactured under formal quality assurance procedures to BSEN ISO 9001
- Uses an integrated insulation system, which is mechanically fixed to the steel plates and incorporates "Envirofoam 70" EPS foam insulation

Connections and Fittings

- Pipework configurations
- Ball-valve housings - used to raise water level to maximise storage
- Screened overflows and warning pipes to Water Regulation 16 (UK Byelaw 30)
- Internal and external mild steel ladders complete with safety hoops and rails
- Walkways with railings
- Level Indicators or contents gauges
- Air gaps to latest WRAS guidelines
- Structural Steel Towers
- Insulated Panels
- Surface coatings and finishes

Storage of Liquids

- The construction of the tanks allows storage of water up to a temperature of 80°C, but hotter liquids can be catered for subject to arrangement between the purchaser and the HB Tanks.



Tank Construction

- | | | |
|-----------------|-------------------------|------------------------------------|
| 1 Screened vent | 4 Internal bracing | 7 Lockable hinged or bolted manway |
| 2 PitCrafter | 5 Gable end fillers | |
| 3 Rafter | 6 Caged external ladder | |

