

GRP Sectional Cold Water Storage Tanks  
Manufacturing Tanks Since 1973



**TRICEL**

WATER STORAGE

# Sectional Tank Clearance Requirements



# 1 Sectional water tank clearance requirements

## 1.1 Internally flanged base tanks

- Headroom clearance to be a minimum of 750mm to allow the hinged access hatch to fully function. This can be reduced to 500mm in accordance with WRAS guidelines where a "lift off access hatch" is fitted. It's important to allow sufficient space for a person to gain safe access to the tank for future maintenance.
- Where hooped external ladders and guardrail are fitted, a height clearance of 1200mm above the tank is required.
- Around the tank
  - A minimum of 500mm from internal tank dimensions is required for tanks up to 2m high.
  - Tanks at 2.5 to 3m high, a clearance of 800mm from the internal tank dimensions is required.
  - Tanks at 3.5 to 4m high ideally require a minimum of 1m clearance from the internal tank dimensions.

## 1.2 Externally flanged base tanks

- Headroom clearance to be a minimum of 750mm to allow the hinged access hatch to fully function. This can be reduced to 500mm in accordance with WRAS guidelines where a "lift off access hatch" is fitted. It's important to allow sufficient space for a person to gain safe access to the tank for future maintenance.
- Where hooped external ladders and guardrail are fitted, a height clearance of 1200mm above the tank is required.
- A clearance space of 600mm is required below the tank in accordance with BS EN 806
- Around the tank
  - A minimum of 500mm from internal tank dimensions is required for tanks up to 1.5m high.
  - Tanks at 2m to 2.5m high, a clearance of 800mm from the internal tank dimensions is required.
  - Tanks at 3m to 4m high ideally require a minimum of 1m clearance from the internal tank dimensions.

## 1.3 T.I.F tank (Hot Press and HLU)

- Headroom clearance to be a minimum of 750mm to allow the hinged access hatch to fully function. This can be reduced to 500mm in accordance with WRAS guidelines where a "lift off access hatch" is fitted. It's important to allow sufficient space for a person to gain safe access to the tank for future maintenance.
- Where hooped external ladders and guardrail are fitted, a height clearance of 1200mm above the tank is required.



- A clearance of 50mm from external tank dimension is required on 3 sides of the tank and a minimum of 500mm from external tank dimensions is required on the side with connections and pipework.

