

# General conditions of installation - Sectional tanks



## Internally flanged base tanks (IFB)

For the successful installation of Purewater internally flanged base sectional tanks the following are required:

- The foundation area must be a minimum of 450mm greater in length and width than the internal dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be flat, level & continuous and be no more than  $\pm 2\text{mm}$  over any given metre and no more than  $\pm 6\text{mm}$  over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and any debris of any kind.

## Externally flanged base tanks (EFB)

For the successful installation of Purewater externally flanged base sectional tanks the following are required:

- The supports must be concrete, brick or steel and be constructed so as to be capable of supporting the tank maximum weight when full.
- Supports must run in one direction only, be maximum of 150mm wide and be at either 1000mm or 500mm centres depending on the height and configuration of the tank.
- Supports must be parallel and flat and be no more than  $\pm 2\text{mm}$  over any given metre and no more than  $\pm 6\text{mm}$  over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and debris of any kind.

## Access (Internally & externally flanged base tanks only)

Purewater sectional tanks require a minimum of 500mm working clearance all around the external footprint dimensions of the tank, a minimum of 500mm above the man-way height and for tanks constructed on supports, a minimum of 500mm access height to the underside of the tank.

## Totally internally flanged tanks (TIF)

For the successful installation of Purewater totally internally flanged sectional tanks the following are required:

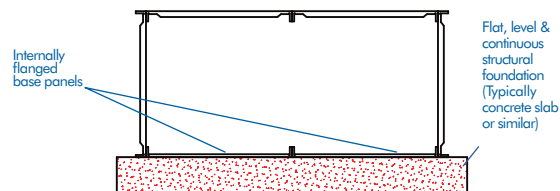
- The foundation area must be a minimum of 50mm greater in length and width than the external dimensions of the tank.
- The foundation must be constructed so as to be capable of supporting the tank maximum weight when full.
- The foundation must be continuous and be no more than  $\pm 2\text{mm}$  over any given metre and no more than  $\pm 6\text{mm}$  over 6 metres in any direction.
- The foundation must be free of any local high & low spots, protrusions and debris of any kind.

## Access (totally internally flanged tanks only)

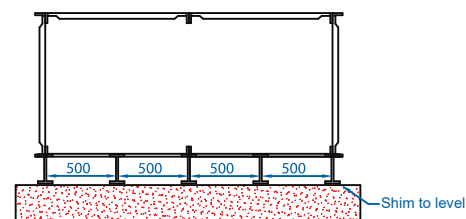
Purewater TIF sectional tanks require a minimum of 50mm working clearance to three sides and 500mm minimum to the final side.

A minimum of 500mm above the man-way height and a minimum of 350mm above any raised float valve housing.

## IFB & TIF Tanks

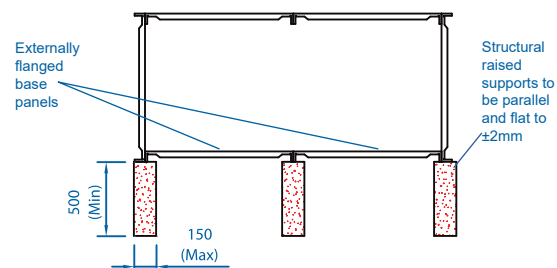


If the tolerances cannot be met with a concrete base, we can supply, position and shim the necessary steel work, providing a flat and level foundation.

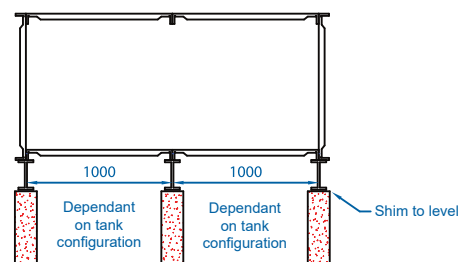


Please note: Foundation steels are only to be shimmed to a maximum height of 18mm.

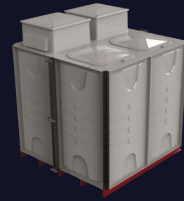
## EFB Tanks



If the tolerances cannot be met with the raised supports, we can supply, position and shim the necessary steel work to provide a level foundation.



Please note: Foundation steels are only to be shimmed to a maximum height of 18mm.



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## Foundation Materials

When Purewater Storage Ltd provide foundation materials for tanks with IFB & TIF base arrangement, comprising of individual steels, these materials are only suitable for positioning onto an existing solid continuous floor and will not be suitable for positioning onto existing raised supports unless stated otherwise. It is essential that precise details of any existing supports are provided before specification and or pricing of suitable foundation materials can be provided. If no specific information is provided it will be presumed that the tank is to be positioned onto a flat continuous floor. Please note that where foundation materials comprise steels and ply boarding, these are not suitable for locating outdoors. Tanks which are to be located outdoors, when combined with foundation materials require reinforced base panels. It is ESSENTIAL that this information is provided to us prior to the agreed installation date, If in doubt PLEASE ASK.

## Commissioning & testing of tanks

Unless otherwise stated commissioning & testing of the tank is not included in this quotation, and is the responsibility of the client. It is essential that the tank is filled, commissioned and tested within 10 days from the date of erection of the tank. Any leaks reported within this 10 day period will be inspected and rectified free of charge. If the tank is not filled, commissioned and tested within the 10 day period, any return to site to inspect and rectify leaks will be charged for. Once filled, the tank must remain filled. It is not acceptable to fill one compartment of a twin or multi compartment tank. Sectional tanks are designed to operate with all compartments filled to operating capacity. No liability for consequential damage caused by leakage as a result of testing will be accepted by Purewater Storage Ltd. If the client requires the tank erection team to be present the day of filling of the tank; this can be arranged and will be charged for as an extra service.

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Off-loading is the responsibility of the client. No offloading has been included in this quotation. Once delivered the tank panels and associated parts must be stored in safe, secure dry area. Any items deemed damaged or missing on inspection on the agreed date for the tank assembly on site will be charged for. This may cause erection of the tank to be delayed resulting in un-planned return visits to site the responsibility of which is not accepted by Purewater Storage Ltd. All pricing detailed in this quotation is based upon work taking place during normal working hours, weekday periods only. Out of hours or unsociable working hours (if available) will incur additional costs. On the agreed date of erection of the tank all items relating to the tank must already have been positioned adjacent to the area where the tank is to be built. Any trekking of panels is not included for in this quotation. If all items are not adjacent to the area additional cost will be incurred and erection may be delayed resulting in return visits to site which will be charged for. The tank foundation and general area MUST be clear and free from equipment of any kind. The only exclusions to this are the tank components which have been supplied by Purewater Storage Ltd which may be positioned / stored on the foundation area. Assembly of the tank will require uninterrupted access to the tank room and / or general area. It will not be possible to assemble the tank if other trades are working within the gross footprint area of the tank. The gross footprint area is deemed as +500mm all round the gross external dimensions of the tank. It is the responsibility of the client to ensure that the configuration and specification of the tank and or all associated connections & equipment detailed in any quotation are suitable for the application & requirements of the client. Any craneage and similar equipment required for offloading and positioning materials will be supplied and arranged by the client free of charge to Purewater storage Ltd. All power, heating, lighting and similar facilities and all welfare facilities required to enable the erection of the tank must be provided free of charge. Any scaffolding or any other similar safety equipment is to be provided free of charge, and is not the responsibility of Purewater Storage Ltd.

## On site induction

Purewater sectional tank assembly engineers agree to undertake an on site induction prior to work commencing. On site inductions must take place no later than 8.15am and be a maximum of 1 hour duration. It is not acceptable to undertake multiple site inductions on the same site for the same project.

## Aborted site visit

If on the agreed date of erection of the tank, the existing foundation is not to the above detailed tolerances or is generally unsuitable, or any of the general conditions detailed have not been adhered to, the erection engineers will wait on site for a maximum of 1 hour to enable others to re-locate components and materials and or carry out corrective work. If due to the resulting delay, the tank cannot be erected in the remaining time available, an additional site visit may be required and additional costs will be incurred. In the event of the erection of the tank not taking place or not being completed within the allotted time frame or for any reason which is not the responsibility of Purewater Storage Ltd a charge will be made for the aborted visit and or re-visit to site.

## Connections

Where connections are either factory fitted or fitted on site, our engineers ensure that a water tight seal is made, if leaks are reported from any connection, Purewater Storage Ltd will if required, return to site to inspect the connection, Upon inspection where any connection has been either:

- Over tightened when tightening compression joint to pipe-work, thus moving the fitting & disturbing the seal.
- Damaged or disturbed in any way which is not the responsibility of Purewater Storage Ltd a charge will be made for the return visit and any replacement connections will be charged for.

No liability for consequential damage caused by leakage as a result of testing will be accepted by Purewater Storage Ltd. If the client requires the tank erection team to be present on the day of filling of the tank; this can be arranged and will be charged for as an extra service.