

AquaPod Mini Installation Guide

AquaPod installation guide

Please note this document is to be used as guidance only. All installations should be designed and planned by a fully qualified civil engineer.

Prior to delivery

A suitable foundation must be installed and be fully cured.

The ground bearing slab should be suitable for the purposes and designed to support the AquaPod unit when filled to maximum capacity, typically a minimum of 250 mm thick.

Visually inspect the AquaPod on receipt of delivery, please report any damage to Direct Pumps and Tanks prior to installation.

Installation

The AquaPod must remain level during all lifting operations.

The AquaPod must be installed onto a dry, debris-free foundation.

The walls should be 400-500 mm thick and the cover slab be suitable to support loadings due to usage.

During the installation process, the area must remain dry. Any water entering the excavated area must be pumped out immediately as this may cause buoyancy issues prior to full concrete installation and curing. It is the responsibility of the Structural Engineer to specify, confirm and verify all load bearing structural details.

Note

All AquaPods are a liner only and must always be supported by a structural concrete base and structural concrete surround of adequate design and thickness for the ground conditions and the general usage. Direct Pumps and Tanks will accept no warranty claims for fracture failures, caused by incorrect installation.

It is the responsibility of the client to ensure that any tank and or associated equipment is suitable for the application and will pass through any access restriction present on site.

All Direct Pumps and Tanks AquaPods must be positioned on a continuous flat, level and solid foundation. The foundation should be no smaller than the external footprint of the tank and be no more than + or -2mm over any given metre.

The foundation must not have any local debris or other items to the surface or damage to the combipod base will occur.

The foundation must be suitable for the purposes of providing structural support for the AquaPod, including all connections & additional components, when the tank is full to maximum nominal capacity.

The lid is a structural part of the combipod and should be correctly fitted and secured to the AquaPod at all times.

No liability will be accepted by Direct Pumps and Tanks for any consequence resulting from incorrect installation of, or incorrect working practices associated with, any AquaPod, tank and or associated equipment provided by Direct Pumps and Tanks.

To reduce the possibility of difficulties resulting from incorrect installation or unsuitable application of any equipment provided by Direct Pumps and Tanks it is essential that our office is contacted on 01159 444474 prior to filling, commissioning or use of such equipment.

It is essential to note that all AquaPods are made to order and will be chargeable once design work or production has commenced.

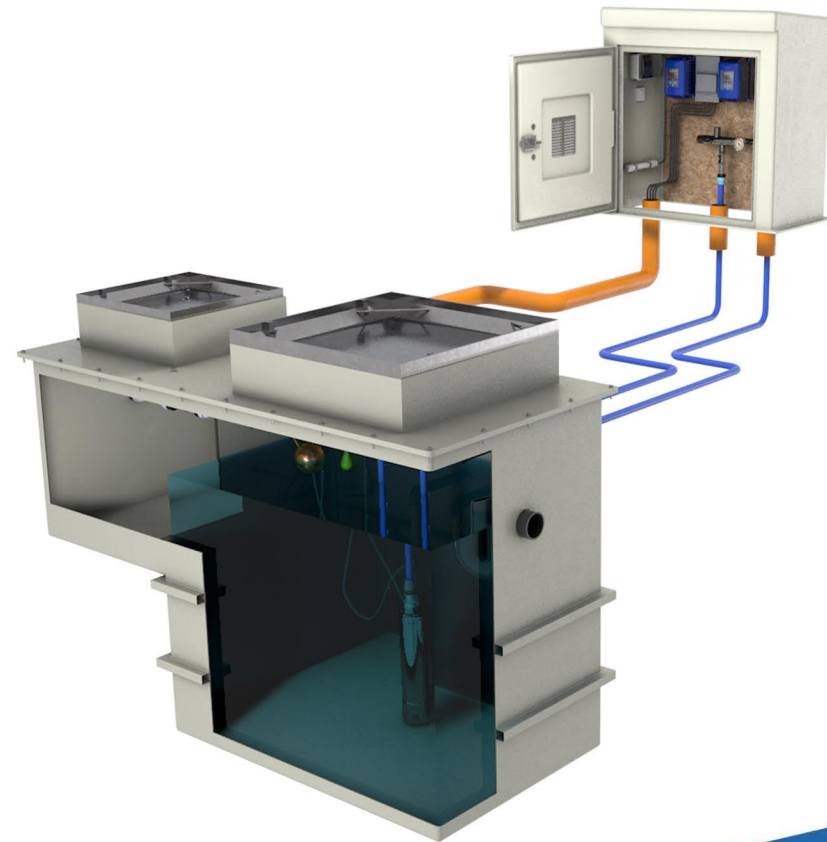
Connections

Where connections are either factory fitted or fitted on site our engineers ensure a watertight seal. If leaks are reported from any connection, Direct Pumps and Tanks will, if required, return to site to inspect the connection.

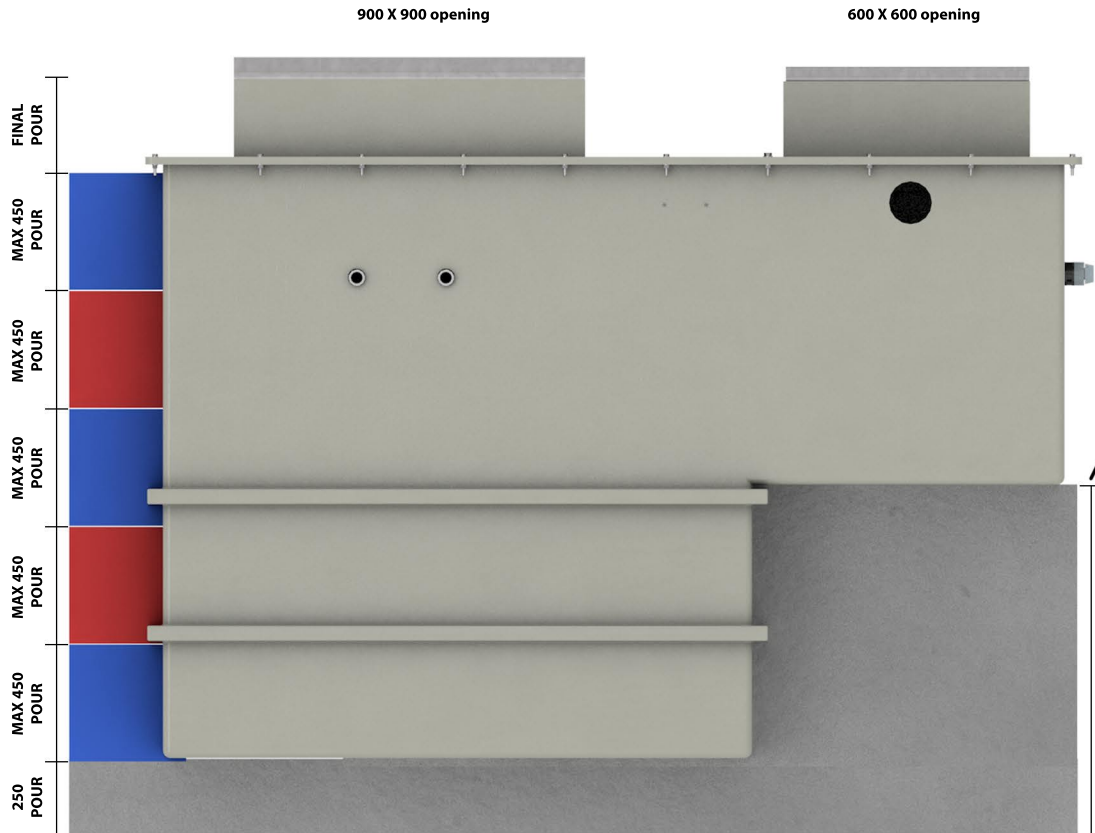
Upon inspection where any connection has been either:

- ▶ Over tightening of the joint to pipe work, resulting in movement of the fitting, disturbing the seal to the tank.
- ▶ Subjected to heat from localized brazing, soldering or similar, resulting in damage to the seal to the tank.
- ▶ Damaged in any way during transportation, off-loading or on site.
- ▶ Where pipework is insufficiently supported resulting in the weight being carried by the tank and tank connector.

A charge will be made for the return visit and any replacement connections will be charged for.



All concrete details are indicated and are subject to design by structural engineer as per site conditions.




Ensure all layers are completely dry and cured before starting the next cure phase

Concrete base must be 250mm with each further fill being no more than 450mm.

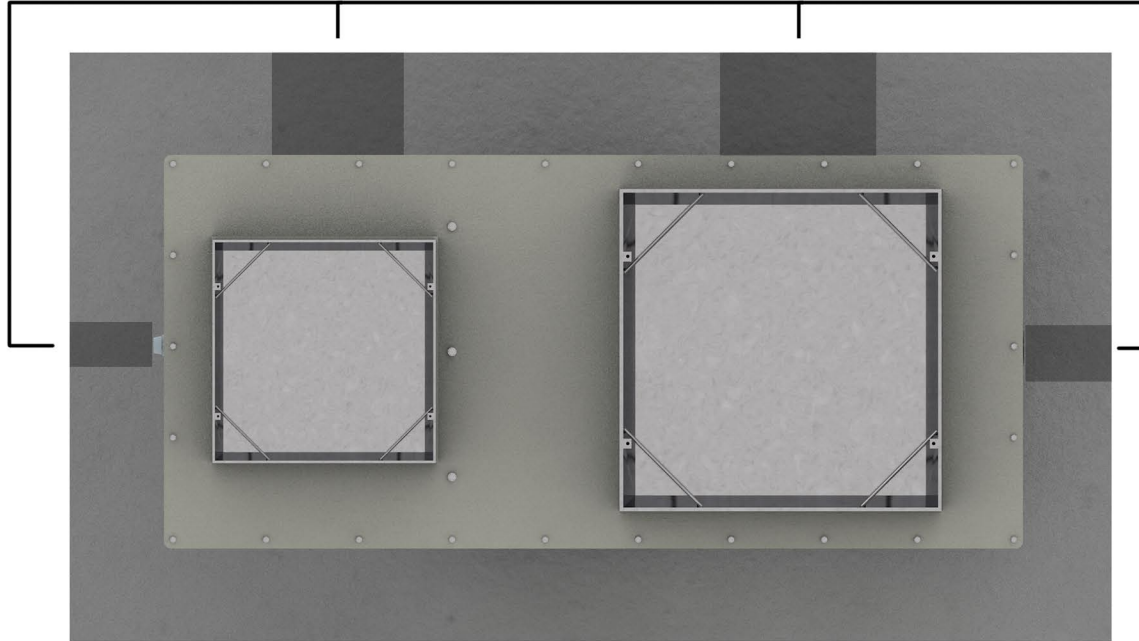
Each fill must be no more than 450mm and fully cured before starting each further fill section.

Repeat the process until level with the cover level of the tank.

All AquaPod Mini's are a liner only and must always be supported by a structural concrete base and structural concrete surround of adequate design and thickness for the ground conditions and general usage.

DRAWING No. AQUAPOD MINI		TITLE AQUAPOD MINI		DATE DATE	MOD A	NOTES FIRST ISSUE	
ALL DIMENSIONS ± 1mm UNLESS OTHERWISE STATED		DRAWN BY D.CHALLANS	DATE 21/04/23				
SCALE 1:50	A4	CUSTOMER CUSTOMER	ALL DIMENSIONS IN MM – DO NOT SCALE				

Ensure appropriate size channels are made for all connections and pipework



Complete dry and cured foundation concrete
Concrete foundation MUST NOT be smaller than the external footprint of the AquaPod Mini (+/- 2mm per meter)

Ensure site stays dry throughout the whole installation process

AquaPod Mini Installation Process:

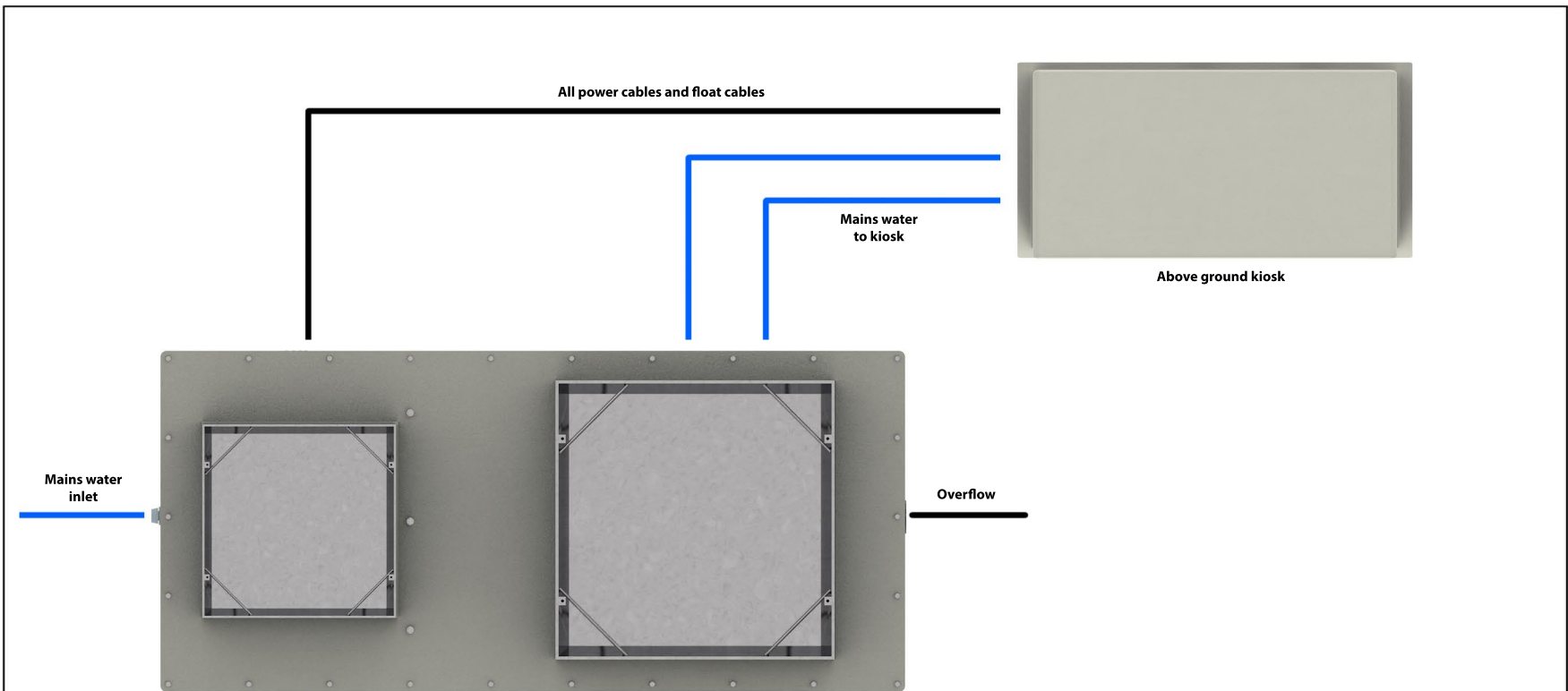
Position AquaPod Mini on a fully cured concrete base in its final position.

Prior to any concrete fill please ensure the water storage inside the tank is filled with water to its operating level - this ensures that the AquaPod Mini is being installed at its operating weight.

Leave 24 hours and check for leaks from tank. Only begin concrete process once you are sure no leaks are present.

During the installation process you must ensure that the ground conditions are completely dry and free of water. Failure to do this can result in a failed installation and buoyancy issues with the tank.

DRAWING No. AquaPod Mini		TITLE AquaPod Mini		DATE DATE		MOD A		NOTES FIRST ISSUE		
ALL DIMENSIONS ± 1mm UNLESS OTHERWISE STATED		DRAWN BY D.Challans		DATE 21/04/23						
SCALE 1:25		CUSTOMER CUSTOMER		ALL DIMENSIONS IN MM – DO NOT SCALE						
A4										



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