

Installation Guide

Aerated Wet Cell System 1500

Reference

Guide for Installers

Installation Guide

Aerated Wet Cell System 1500
A Reference Guide for Installers

Thank you for installing the Aerated Wet Cell System.

Please note: This tank is designed to cater for up to 10 equivalent people with a maximum of 1500ltrs per day.

General Information

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**Feet on the 6000
Litre Septic tank
MUST
be removed prior to
installation & all
Packaging Material**

Safety Instructions Please read the information provided.

| | |
|---|---|
|  | <p>PLEASE NOTE - Each State Government has regulations for Water Treatment System and they are required to be registered with your local council and comply with their required standards. The requirements may vary depending on location, soil type and proximity to water ways.</p> <p>An annual Maintenance report is required to be sent to council</p> <p>DO NOT Enter the SEWAGE TREATMENT PLANT. Risk of drowning or asphyxiation due to low oxygen environment is present. Ensure all access lids are closed securely after installation, servicing and accessing the treatment plant to prevent unauthorized or accidental access. Note that Children should not have access to the area to play</p> |
|  | <p>PLEASE NOTE - Follow all safety precautions and accident prevention guidelines during installation, use, maintenance and repair of the Aerated Wet Cell plant. All local safety precautions and accident prevention guidelines established in the area should also be followed.</p> |
|  | <p>The waste water contained in the Aerated Wet Cell Treatment System may contain harmful bacteria. Persons coming in contact with waste water must immediately wash and disinfect all exposed areas. Contact your personal physician for all health concerns</p> |
|  | <p>WARNING! All electrical work required must be carried out by a licensed electrical contractor or authorised service professional. NOTE: This must be on its own power circuit.</p> |
|  | <p>SLIPPERY WHEN WET! When Installing and Maintenance is being undertaken ensure children and animals are keep away from site. During cleaning, maintenance and repair work the surrounding area may become extremely slippery in some circumstances due to spilled water. Caution is to be taken when walking / standing near the Aerated Wet Cell Treatment System when these activities are being conducted.</p> |

1. Explanation of the System

The Aerated Wet Cell 1500 (AWC1500) is a system which has enhanced capacity to treat waste water by means of an increased dissolved oxygen level in the waste water, this is achieved by way of the use a UBI Aqua Annular Venturi and associated Speece Cone which increase the dissolved oxygen level in water that is being recycled back through bed A or transferred from bed A to bed B as it moves through the system.

The systems components include:

- A 6000 litre septic tank,



- 2 X 7200 litre Ubi Aqua reed beds,
- 2 X Ubi Aqua 1000 litre pump wells.
- 1 X Ubi Aqua Annular Venturi.
- 1 X 900 mm Ubi Aqua Speece cone.
- 1 X NRG Wet Cell Controller and High water alarm.
- 1 X Pentair PrioX 50-500/11 M submersible pump or
- Pedrollo BCM 15/50 MF submersible Pump.
(Equivalent specs).
- 1 X Submersible pump to suit the disposal method for each individual job.
(i.e. either a Davey D25 VA for low pressure delivery or a Davey D42 for high pressure delivery.)

Pump well - One is positioned at the outlet end of Wet Cell one and by way of a Pentair PrioX / Pedrollo sump pump, recycles water back through bed one at 5 times per hour, cycle length pump on for 2 minutes off for 10 minutes. Each time the pump returns water through the system it passes through the venturi/cone components reintroducing more dissolved oxygen to the wastewater.

Pump well - TWO is positioned at the outlet of Wet Cell two which will receive wastewater from bed one via a manual overflow which allows for water to bypass pump one. Pump two discharges to the disposal field by way of either a Davey DV15A or for pressure pump Davey D42A pump.

2. Warning

The Aerated Wet Cell treatment system (including all components) is not to be used at all prior to being commissioned. This includes NO waste fed into the system by either contractors during the construction of the house or owners wishing to take up residence. If the system is used prior to commissioning, the owner will need to pay for the system to be correctly cleaned out.

The recommended rated operating temperature range for Aerated Wet Cell Treatment System is for ambient air temperature of between -1°C and 36°C and main treatment Chamber wastewater temperatures of 9-24°C

3. Handling

- Move the 6000 litre Septic tank and Wet Cells by lifting, using the lifting lugs in the top of the tanks and lifting slings on the reed beds.
- Do not drop the tank or Wet Cells
- Do not roll it into the hole
- Do not drag tank across rough surfaces

4. Site Selection

- Must conform to local & statutory regulations
- Tanks and Wet Cells should be sited with due consideration for future de-sludging operations and the siting of either, any further effluent treatment unit, and or land application system.
- Where no regulations exist, the distance of the excavation from any structure must be equal to or greater than twice the depth of the excavation. (Zone of influence)
- Must be located so that tree roots will not interfere with the tank or its associated fittings & plumbing.
- Must not be installed where there is a possibility of the water table exceeding half the height of the tank
- Must not be installed where actual or potential garden beds exist.
- Must not be installed where it will be subject to surcharge loading within 2m of the perimeter of the tank. This includes driveways, storage areas, anywhere stacked materials are placed, above ground pools & spas, high level residential footings, and anywhere that it is likely that people may congregate.
- Placement of the tank is permitted adjacent to footings of residential dwellings so long as the designer of such footings maintains vertical support to these footings below the zone of influence of the tank as per local council requirements.

- Note that the tank in this form does not have the ability to withstand significant surcharge loads placed above the tank (and within the zone of influence such as stacked / material and multiple human access.

A. Install of 6000 Litre Septic

5. Excavation for the 6000 Litre Septic

- Observe any local and statutory requirements for excavations
- (e.g. benching/battering/shoring)
- The finished ground level, not necessarily the existing ground level).
- The installer shall take all reasonable precautions to ensure that the tank is not within the zone of influence of nearby existing structures, such as retaining walls, residential dwellings, commercial buildings, and the like. In such circumstances, advice from a suitably qualified structural engineer should be obtained.
- For the Septic tank the base of the hole must be a minimum of 1500mm in diameter.
- The Slope 1.5:1 for Sand Gravel soil and Slope of 1:1 for Clay soil

See attached **Figure 1. 6000 litre Septic Installation Guide.**

6. Placement of Tank

- Place the tank on a level bed of 100mm of sand bedding layer. This is to ensure that rocks & other debris in the excavation do not damage the tank.
- Ensure that the top of the tank the finished above ground level.
- Ensure that the rim around the opening is clean and dry.
- Secure the lid with stainless bolts as provided.
- Once the back fill reaches half the tank height fill tank with water up to 900mm below finished ground level.
- The Reed beds must be placed on a level bed of

7. Backfilling

- Soil pressures based on a backfill/subgrade material with density maximum of 20kN/m³ minimum density of 18N/m³
- Backfill material must have a minimum soil friction angle of 30°.

- Backfill material is to be compacted evenly around the perimeter of the tank to a minimum of 98% modified dry density $\pm 2\%$ optimum moisture content in compacted layers not greater than 200mm evenly around the tank during installation.
- Place fill slowly and evenly from both sides, and ensure that there are no voids, particularly underneath the hold down wings.
- Only hand held vibrating plate compactors may be used in the compaction process.
- Backfill cover over tank must be 400mm (300mm of backfill material and 100mm of topsoil is acceptable)
- Recommended backfill or foundation material is 10mm Blue metal or 10mm recycled concrete
- Ensure all caps and overflows are sealed prior to backfilling the excavation.
- Excessive dirt in the tank will cause line blockages and possible early pump failure.
- Connection pipes and couplings should be supported over the whole length of the trench. **See attached Figure 1. 6000 litre Water Treatment Tank Installation Guide.**

8. Tank Assembly

The tanks comes fully assembled with baffle and inlet and outlet pipe work pre-installed. The tank comes fully assembled with 2 chambers. A registered plumber needs to connect the following connections.

1. The 100mm PVC pipe to the sewer inlet.
2. The 100mm PVC pipe connect to the wet cell bed

9. Electrical Connections

All electrical work must be undertaken by a registered electrician in the installation in regard to connecting the system to the main electricity supply.

NOTE: This must be on its own power circuit. Connections MUST comply with current codes (AS/NZS 3000) and operate correctly. The electrician is to connect the power through the conduit that is provided on the tank to the main electricity supply.

10. Commissioning

The commissioning of the system requires the installer to check that:

The 6000 Litre Septic

1. The unit has been filled with water when installed.
2. An outlet filter is installed in the septic tank outlet.
3. The lid is in place and screwed down.
4. That the inlet/outlet caps are in place.

The Wet Cells

1. The installer will check that all 100mm PVC pipes are correctly placed and terminate inside the void space of the headwalls.
2. Check that all lids on Wet Cells are in place.
3. Check the barrel unions are in tight and do not leak.
4. Check the Venturi orifice is not blocked.
5. Check that the headwall are sealed to eliminate access for mosquitos to water.

Pump pit 1

1. Check the operation of the “no flow alarm”.
2. Make sure the barrel union is tight.
3. Check/set cycle timer (2min on 10min off).
4. Check lid is in place and screwed down.

Pump pit 2.

1. Check that the pump float is unobstructed and works correctly.
2. Check high water alarm operates correctly.
3. Replace and secure lid.

11. General

- The stored liquid is to have a specific gravity of 1.0 only.
- The maximum surcharge loading for a person traversing across the lid of the tank is 510 kg.
- In addition to the above information we strongly recommend that the tank be kept at least 20% full of water in wet weather, or at any other time when the area around the tank may become waterlogged
- Care must be taken when pumping out the water treatment system it must be undertaken by a licensed maintenance contractor who **MUST** pump out the main chamber first prior to pumping out the remaining chambers.
- Contact your local council for further information on your regions requirement.

12. Confined Space

- Under Work Health and Safety Regulations those installing, operating and maintaining this UBI Aqua Mark II Water treatment system are obliged to follow "Confined Space" requirements.
- However there should be **NO** need to enter the tank for installation, operation or maintenance purposes.

13. Safety

- At no time should this tank be left in the ground unattended without the lid secured.
- Please see both local and state requirements for installations and Worksafe requirements.
- At no time should the 6000 Septic system be left in the ground without ballast water.
- A registered electrician **MUST** connect to main power.

14. Servicing Arrangements

Your Aerated Wet Cell Water Treatment System requires regular service and maintenance inspections. This will be carried out by your certified technician who has undertaken the installation for the first 12 months at cost to you.

After the first 12 months this servicing will need to continue at cost to you and according to your contract.

A record sheet will be completed by the technician at the time of service and a copy provided to you for your record. A copy will be sent to your local council and a copy kept by the technician.

15. General Information

-The stored liquid is to have a specific gravity of 1.0 only.

-The maximum surcharge loading for a person traversing across the lid of the tank is 110 kg.

In addition to the above information we strongly recommend that the tank be kept at least 20% full of water in wet weather, or at any other time when the area around the tank may become waterlogged

Care must be taken when pumping out the water treatment system it must be undertaken by a licensed maintenance contractor.

Contact your local council for further information on your regions requirement

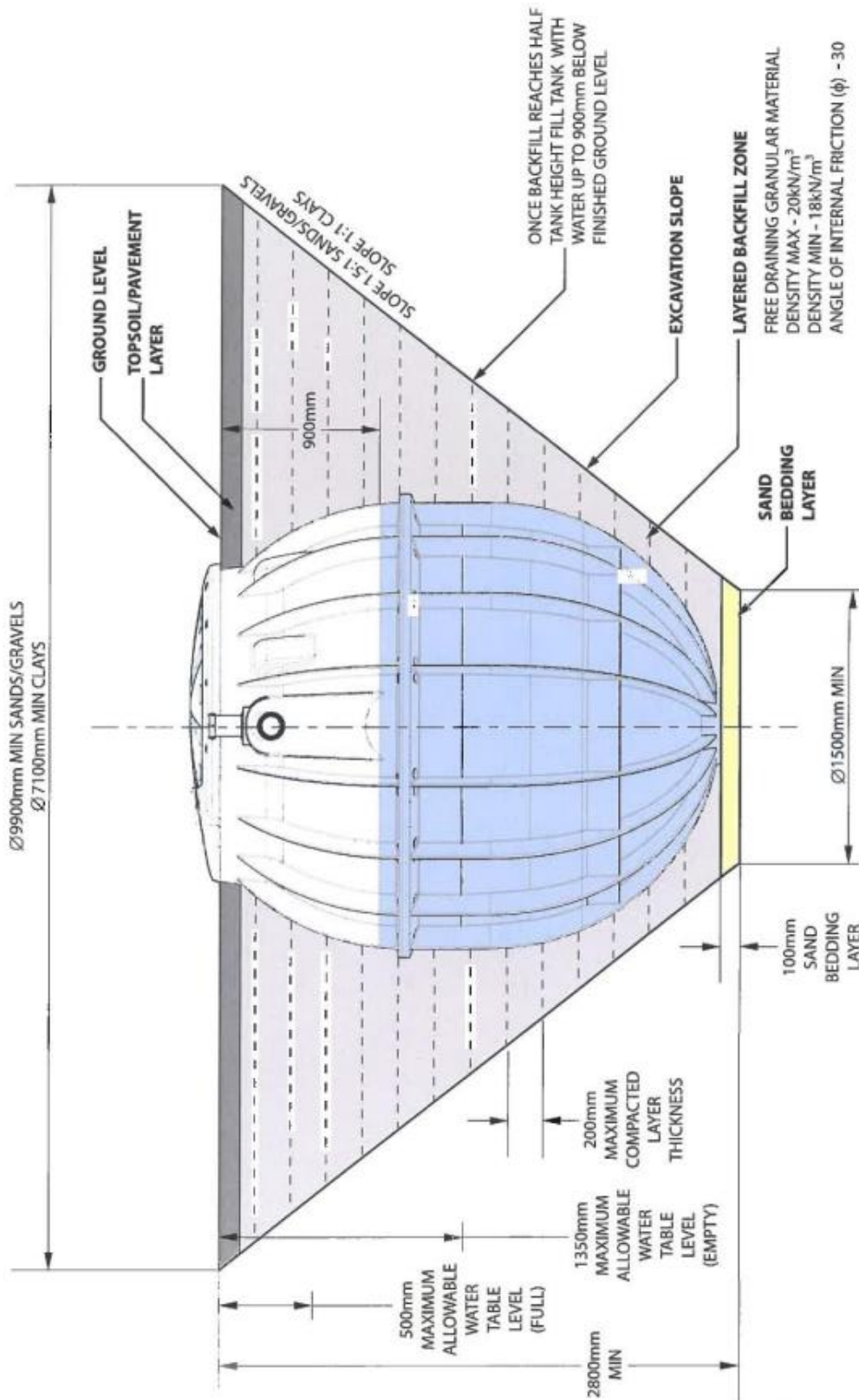
Annual Maintenance Record Sheet

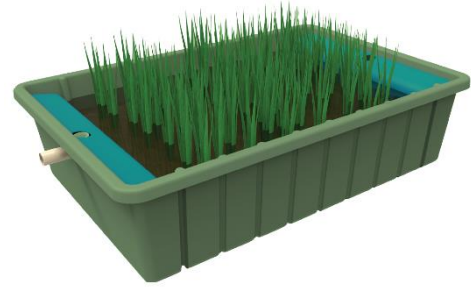
| Date | Test | Results |
|------|----------|---------|
| | Chlorine | |
| | PH Test | |

Day Temperature _____ Water Temperature _____ Service No 1 2 3 4

| | | |
|---|----------------------------|-------------------------------------|
| General Inspection | Irrigation Area | |
| | Tank Area | |
| | Drainage | |
| | Wet Cell Beds | |
| Electrical Equipment Pit One | Timer | Check and reset |
| | Venturi | Operation |
| | Irrigation Pump | Operation |
| | Warning Lights | Operation low flow alarm in Pit one |
| | High water alarm | in pit two |
| | Connections | Check |
| | | |
| Pit two | Sample Test Water | |
| | Operate submersible switch | |
| | Check bio-mass growth | |
| | Replenish chlorine | |
| Irrigation | Inspect lines | |
| | Inspect Jets/ outlets | |
| | Pressure clean system | |
| | Check for ponding | |
| Report Copies To | Customer | |
| | Council | |
| | Office Record | |
| Maintenance Technician | Name | Signature |

Figure 1. 6000 litre Water Treatment Tank Installation Guide.





B Aerated Wet Cell Reed Beds Installation Instruction

An assembled Aerated Wet Cell will weigh approx. 315 Kgs, care must be taken when moving them. Use an excavator or backhoe with lifting straps to place the reed bed in situ.

Please note the reed beds can be placed side by side or one in front of the other.

1. Onsite Assembly Bed One & Two

The Aerated Wet Cell is factory prepared for assembly to make the onsite installation as easy as possible.

1. The distribution bulkheads (or Baffles) need to be installed at either end of the bed, you will note that holes have been drilled in the ends of the tub to screw hex head screws (Type 17- Flanged Stainless Hex 50 x 10) into the back of the bulkhead. Note 6 required in each end 12 in total.
2. Place the bulkheads so that they are hard up against the end wall and drive the hex screws home.
3. The 121mm holes for the 100mm pipe and Wallace seal can then be drilled at the appropriate height for the inlet. The outlet has 2 holes, positioned one on the left of centre the other on the right of centre. The outlet to the 1000 litre pump out chamber is drilled on the left or right side as per your design and is 50mm lower than the outlet that goes to the second bed, that is a total of 75mm lower than the inlet pipe. The 100mm pipe can then be inserted into the Wallace seals using a pipe lubricate or silicone grease.
4. Please ensure that the lubricant used is not a petrochemical based lubricant.
5. The second Bed will have the outlet 25mm lower than the inlet in a central position. Further details of install are noted below.

Installing the head wall in the Wet Cell units.

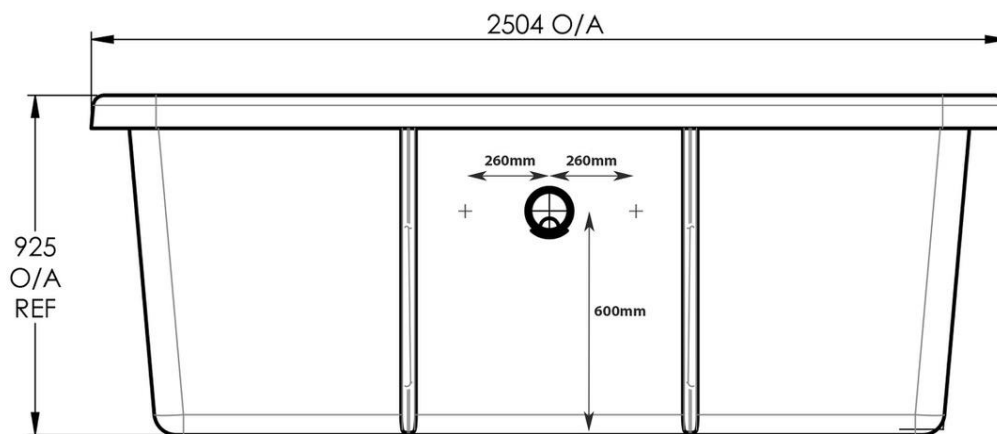
The headwall ends for the Wet Cell will in most cases come packed inside the tubs and will need to be installed onsite. The holes for the screws to hold the headwalls should be pre drilled in the factory and the installer will only need to screw them in place.

The inlet and outlet for each of the tubs will need to be drill onsite depending on the layout of the system. The first tub will have 1 121mm hole drilled in the inlet end and a 65mm hole drilled in the headwall of that end, a further 2 121mm holes will be drilled in the outlet end. The Second tub will have a 121mm hole drilled in each end.

The 121mm hole in the inlet end will be drilled in the centre of the end of the tub, 600mm from the base of the tub. The Wallace seal can be installed. The 65mm hole will be drilled toward the bottom of the headwall directly under the first rib of the head wall to either the left or right of the tub depending on the layout of the system.

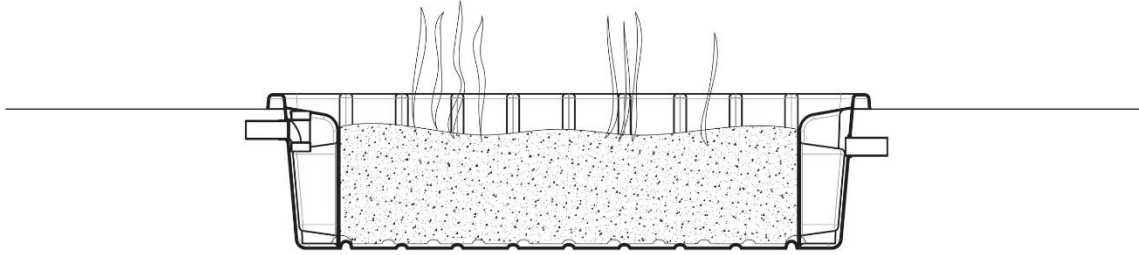
To find the position of the outlets for the 1st tub find the centre of the end of the tub and measure 260mm either side of the centre line this will be the centre line of the outlets next you will measure from the base of the tub up to the centre vertically, 530 mm for the first outlet and 580 mm for the second outlet drill these and install the Wallace seals.

The second tub has the 121 mm holes drilled at the centre of the end of the tank, the inlet will be 600mm from the base and the outlet will be 580mm from the outlet. Use Wallace seals to seal the pipes in and out.



2. Wet Cell Ground Work Instructions

1. Using an excavator or backhoe, excavate the hole in which the reed bed tubs are to be installed, do not over excavate.
2. When excavating for the Aerated Wet Cell, the finished size of the excavation should be approx. 100mm larger than the unit each way and the invert of the excavation should be 75mm below the level that the tub will sit.
3. Ensure that there are no rocks or tree roots protruding into the excavation.
4. Install a level base of 10mm gravel, 75mm thick for the tub to sit on.
5. The Aerated Wet Cell should be installed so that the sides are supported. Following the evacuation of the site the sides of the reed bed need to be supported from base up the side of the bed to a minimum of at least 650mm.
6. The top roll of the wet cell should protrude above the finished ground level on all sides of the reed bed by at least 100mm and no more than 350mm.
7. If your design requires the tub to be in a position that exposes the side of the tub, a retaining wall of suitable size to hold the tub without stress will need to be constructed. 10mm gravel can be used to backfill the void between the excavation and the side of the tub to support the tub wall.



3. Stone Media instructions

1. The size and type of media to fill the reed bed will be prescribed by the system designer. The First bed has 50mm cobble,
2. Place a sheet of Geo Textile fabric (Not supplied by Global) over the 50mm cobble and then 10-20 mm gravel on top to prevent breeding of mosquitos in the bed.
3. The Second bed has 25-30 mm gravel
4. Care should be taken when placing the gravel to ensure that the tub is not damaged or stressed by uneven filling, ensure that you fill both the inside of the tub and the outside between the wall of the tub and the side of the excavation in layers of approximately 200mm.
5. In most cases large Gravel or rail ballast should be placed at the entry and exits points of the reed bed to enhance the distribution of wastewater into and out of the Aerated Wet Cell.
6. The gravel used to support the outside of the reed bed should have a diameter of 10 – 30 mm.

Note: The sides of the bed need to be supported by backfilling between the excavation and the reed bed with 10mm gravel as you fill the bulk of the gravel inside the Aerated Wet Cell.

If two tubs are to be installed, they are generally installed only 1M apart and the second bed will be at a level that fall can be achieved for one to the other.

4. Commissioning of Aerated Wet Cell

1. On completing the gravel install there are two tasks which need to be completed before the units are commissioned.
2. The area between the distribution bulkheads and the side wall of the wet cells could allow access to ponded water in which mosquitos and insects could breed. To stop this, we need to fill that area with 5-10 mm gravel to eliminate access to the water.
3. The other task is similar in that it precludes insects from the water stored behind the bulkhead. To do this you will apply a silicone bead to the intersection between the tub wall and the bulkhead.
4. Please ensure the lids are in place and turned to the “Closed” position.
5. The Designer of your system will suggest which reeds/plants should be planted to suit the local environment. For example for example in Tasmania the Thargmites Australis is the common reed to use. The designer will also advice on what spacing's they should be planted. The planting should be completed as the system is about to be commissioned into

Use. The system was tested without reeds and will achieve the standard without them, reeds will only enhance the uptake of nutrients.

**A sign warning of the presence of waste water
MUST
be installed to warn people of the danger of waste
water.
Please ensure that Children do not have access to
and play on the reed beds.**

C Install of the 1000 Litre Pump out Chambers

1. Handling

Move the tank by lifting, using the lifting lugs in the top
Do not drop the tank
Do not roll it into the hole
Do not drag tank across rough surfaces
Please ensure you have the pump out chambers in correct sequence.

2. Site Selection

Must conform to local & statutory regulations.
Tanks should be sited with due consideration for future de-sludging operations and the siting of either, any further effluent treatment unit, and or land application system.
Where no regulations exist, the distance of the excavation from any structure must be equal to or greater than twice the depth of the excavation (zone of influence).
Must be located so that tree roots will not interfere with the tank or its associated fittings & plumbing.
Must not be installed where there is a possibility of the water table exceeding half the height of the tank.
Must not be installed where actual or potential garden beds exist.
Must not be installed where it will be subject to surcharge loading within 2m of the perimeter of the tank. This includes driveways, storage areas, anywhere stacked materials are placed, above ground pools & spas, high level residential footings, and anywhere that it is likely that people may congregate.

Placement of the tank is permitted adjacent to footings of residential dwellings so long as the designer of such footings maintains vertical support to these footings below the zone of influence of the tank as per local council requirements.

Note that the tank in this form does not have the ability to withstand significant surcharge loads placed above the tank (and within the zone of influence such as stacked / material and multiple human access).

3. Excavation

Observe any local and statutory requirements for excavations (e.g. benching/battering/shoring).

Hole must be 1950mm minimum deep (measured from the finished ground level, not necessarily the existing ground level).

The installer shall take all reasonable precautions to ensure that the tank is not within the zone of influence of nearby existing structures, such as retaining walls, residential dwellings, commercial buildings, and the like. In such circumstances, advice from a suitably qualified structural engineer should be obtained.

At the top, the hole must be a minimum of 6850mm Minimum in Sand Gravel soil and 4900 mm minimum by 4 metres wide.

The base of the hole must be a minimum of 1000mm in diameter.

The Slope 1.5:1 for Sand Gravel soil and Slope of 1:1 for Clay soil

The installer must ensure that the pump out chamber is positioned so that all pipe work has the correct fall.

See attached Figure 1. 1000 litre Pump Out Chamber Installation Guide.

4. Placement of Tank

Place the tank on a level bed of 100mm of sand bedding layer. This is to ensure that rocks & other debris in the excavation do not damage the tank.

Ensure that the top of the tank the finished above ground level.

Ensure that the rim around the opening is clean and dry.

Apply a 20mm bead of silicone to the groove in the rim around the opening.

Place the lid ring in position with the bolt holes aligned with the threaded brass inserts.

Secure the lid with stainless steel tek screws.

Once the back fill reaches half the tank height fill tank with water up to 900mm below finished ground level.

5. Backfilling

Soil pressures based on a backfill/subgrade material with density maximum of 20kN/m³ minimum density of 18N/m³.

Backfill material must have a minimum soil friction angle of 30°.

Backfill material is to be compacted evenly around the perimeter of the tank to a minimum of 98% modified dry density $\pm 2\%$ optimum moisture content in compacted layers not greater than 200mm evenly around the tank during installation.

Place fill slowly and evenly from both sides, and ensure that there are no voids, particularly underneath the hold down wings.

Only hand held vibrating plate compactors may be used in the compaction process.

Backfill cover over tank must be 400mm (300mm of backfill material and 100mm of topsoil is acceptable)

Recommended backfill or foundation material is 10mm Blue metal or 10mm recycled concrete.

Ensure all openings are sealed prior to backfilling the excavation.
Excessive dirt in the tank will cause line blockages and possible early pump failure.
Connection pipes and couplings should be supported over the whole length of the trench.

See attached Figure 1. 1000L Pump Out Chamber Installation Guide

6. Tank Assembly

The tank comes fully assembled with one chamber. A registered plumber needs to connect the following connections.

1. The 100mm PVC pipe to the sewer inlet.
2. The 25/32mm poly pipe connect to the discharge area (This is located at the top of the water treatment lid).

7. General

The stored liquid is to have a specific gravity of 1.0 only.
The maximum surcharge loading for a person traversing across the lid of the tank is 510 kg.

In addition to the above information we strongly recommend that the tank be kept at least 20% full of water in wet weather, or at any other time when the area around the tank may become waterlogged

Care must be taken when pumping out the water treatment system it must be undertaken by a licensed maintenance contractor.

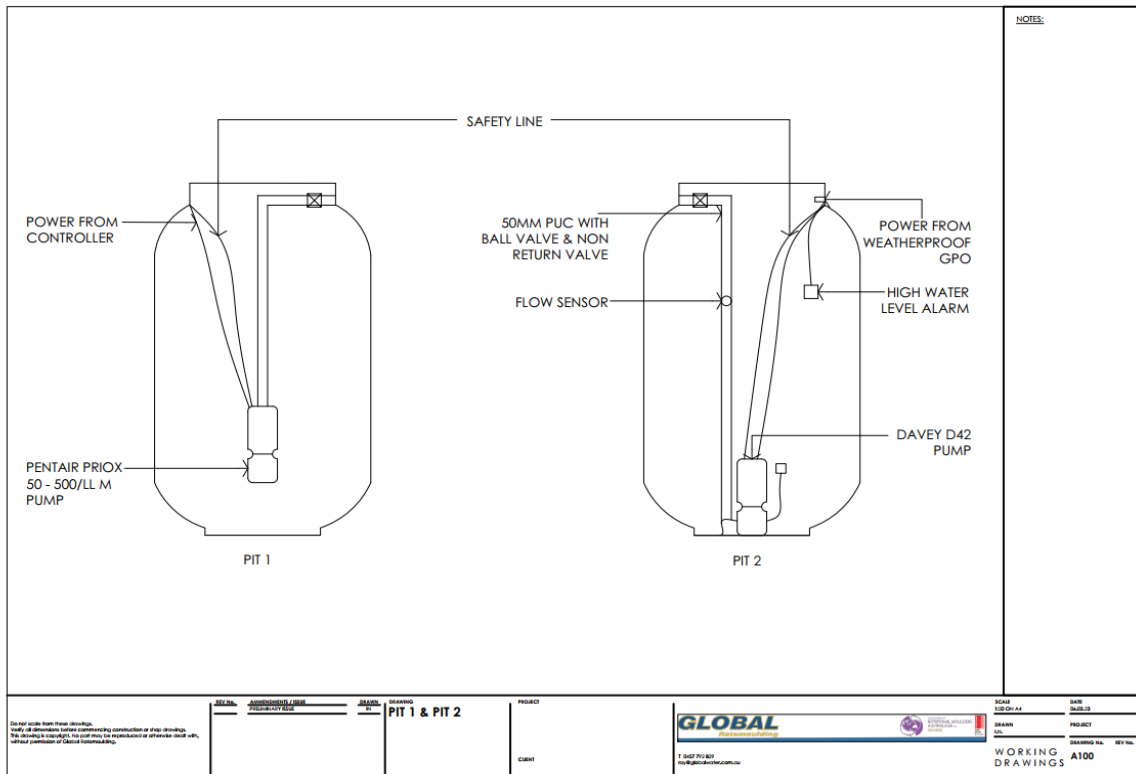
Contact your local council for further information on your regions requirement.

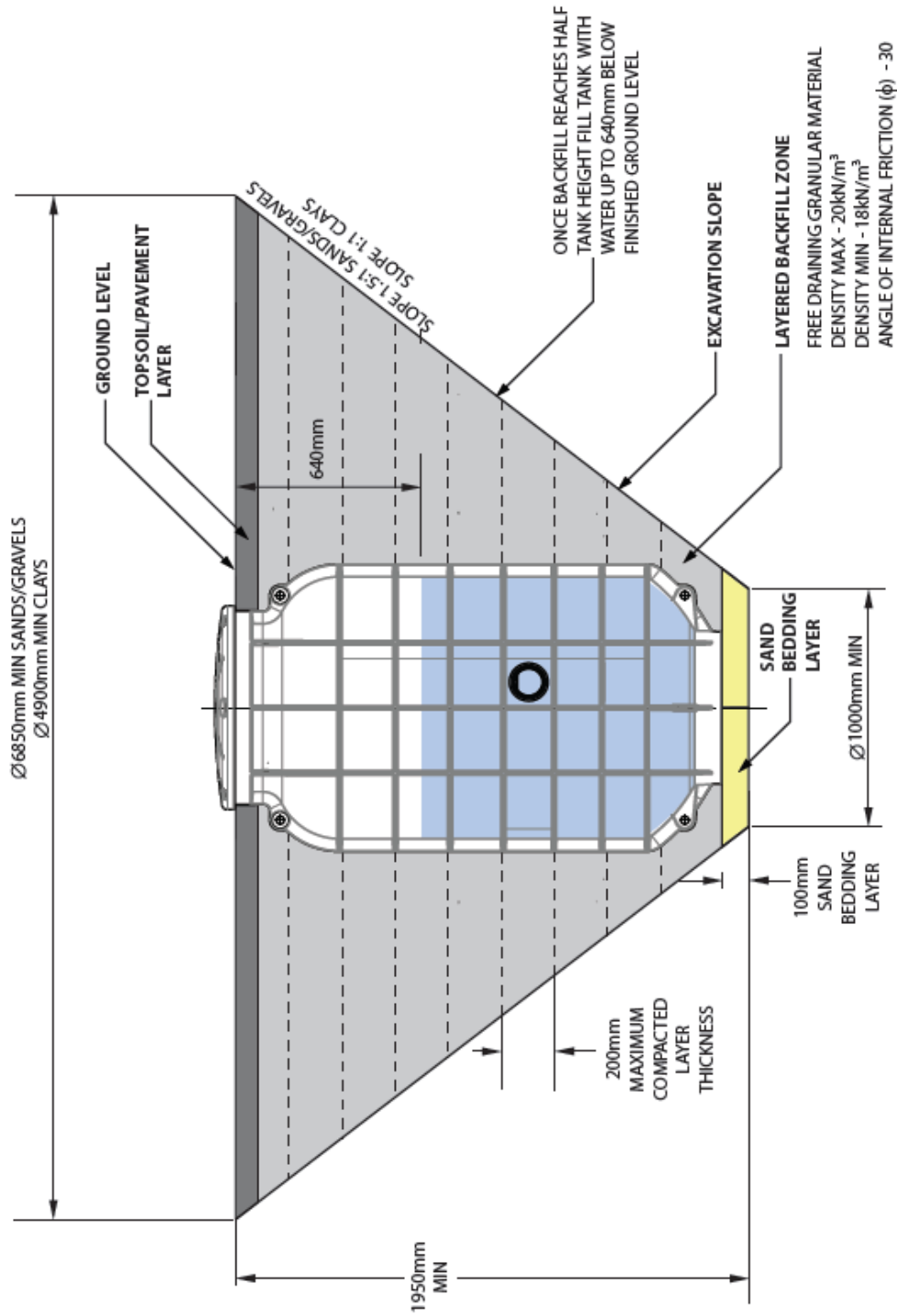
8. Confined Space

Under Work Health and Safety Regulations those installing, operating and maintaining this pump out chamber are obliged to follow "Confined Space" requirements.
There should be NO need to enter the tank for installation, operation or maintenance purposes.

9. Safety

At no time should this tank be left in the ground unattended without the lid secured.





12-568 1000L PUMP OUT CAMBER INSTALLATION GUIDE

GLOBAL
Rotomoulding

180 445 120
180 445 120
774 Koortlang Ave,
Irymple, Vic, 3498
www.globalrotomoulding.com.au

Full Assembly and Function of All Major Components

6000 Litre Septic

On installation of the Septic tank the inlet is connected to the plumbing from the house. The outlet is connected to the 1st reed bed via a 100mm PVC pipe.

Install into the end of the reed bed a 100mm PVC pipe that is joint to the inlet of the first 1000 litre pump out chamber.

A submersible (Pentair or Pedrollo) is housed in a 1000 litre pump well, this pump is controlled by a timer that cycles for 2 minutes then rests for 10 minutes, 5 cycles per hour. The discharge pipe from the submersible pump has a flow meter that is timed to alarm if the pump has not started for 24 Minutes (2 cycles) indicating that the pump is not working and the alarm sounds. This alarm is housed in the high water alarm connected to the second pump chamber and positioned between the two chambers.

The effluent is pumped back to the inlet end of the bed passing through a Ubi Aqua Peripheral Venturi, then through a Speece Cone and back into the inlet of the wet cell, the Annular Venturi and Speece Cone ensure that the Dissolved Oxygen level rapidly rises to a near saturated level.

The Speece Cone is installed in Wet Cell **One** by Drilling a hole into the front of the head wall **65mm** diameter as close to the base of the head wall i.e. 75mm centre from the base of the wet cell. The Speece Cone will have a 90 mm bend screwed onto the bottom which will be inserted into the drilled hole.

As the water level rises in the bed it will flow out of the second outlet that is installed at the same height as the current reed bed outlet. See Diagram below
The Wet Cell will required two holes to be drilled in the outlet end.
First to be drill at the normal outlet height using a 121mm hole saw.as per drawing and the second is to be drilled 50mm lower than the First outlet using a 121mm hole saw.

These outlets are to be installed so that the 100mm PVC pipe is positioned in the void space made by the head wall. Place a Wallace seal in the drilled hole prior to installing the PVC pipe.

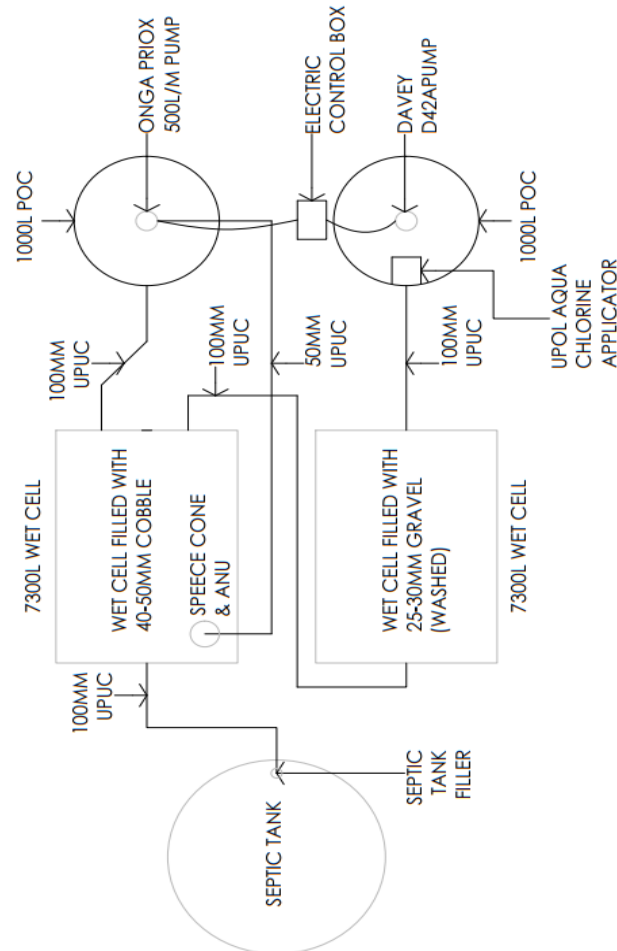
They outlets will be supplied and installed i.e. 100mm Inspection opening on the top of the head wall.

Connect the outlet on the wet cell to the second 1000 litre chamber using 100mm PVC pipe.

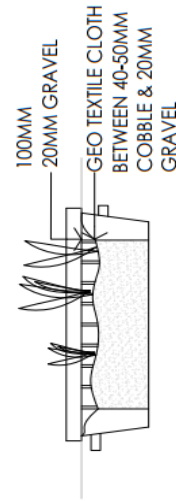
As the effluent leaves the second bed it discharges into a second 1000 litre pump chamber. This pump in this chamber has a float to control the discharge of water from the chamber.

The chamber also has a float to activate a high water level alarm if the pump fails to discharge.

Over view of Set Up.



TANK & WET CELL LAYOUT - PLAN
SCALE 1:100



7300L REED BED ELEVATION
SCALE 1:100

Components

PENTAIR JUNG PUMPEN

PRIOX

DRENA-LINE DIRTY WATER

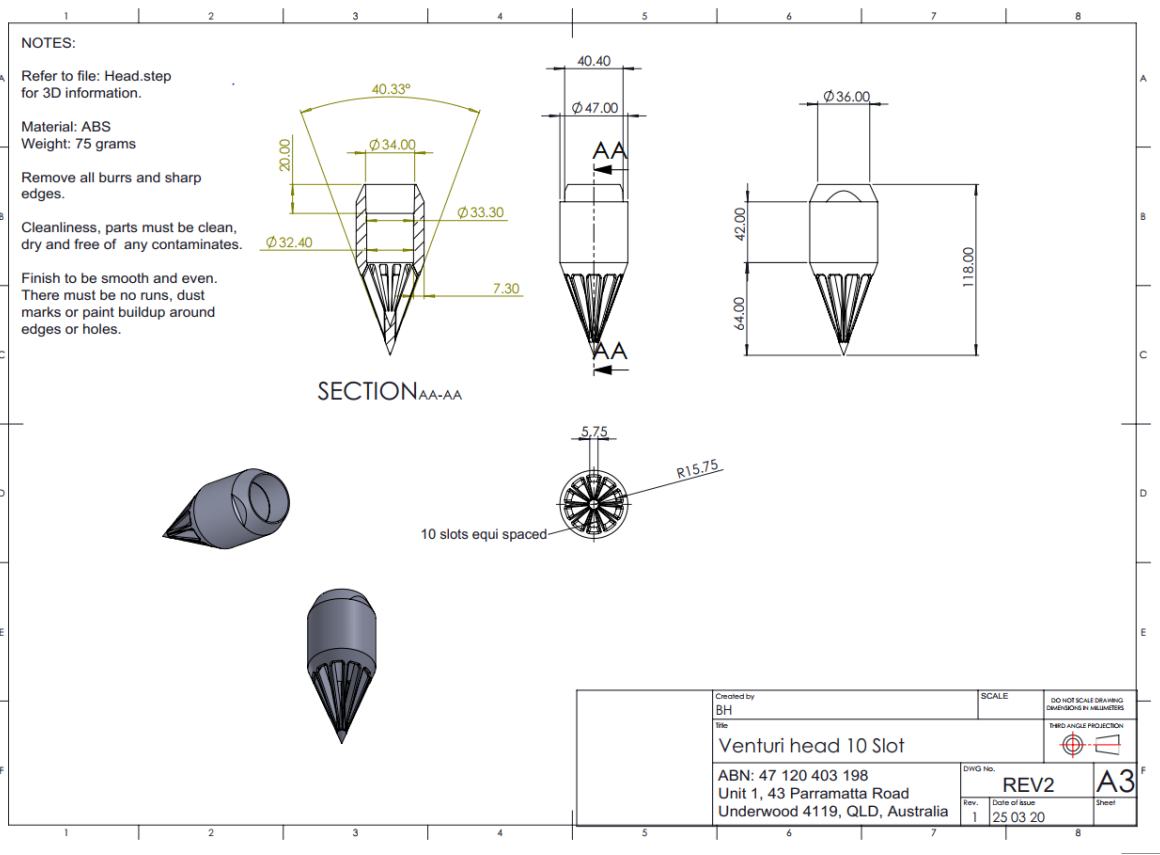
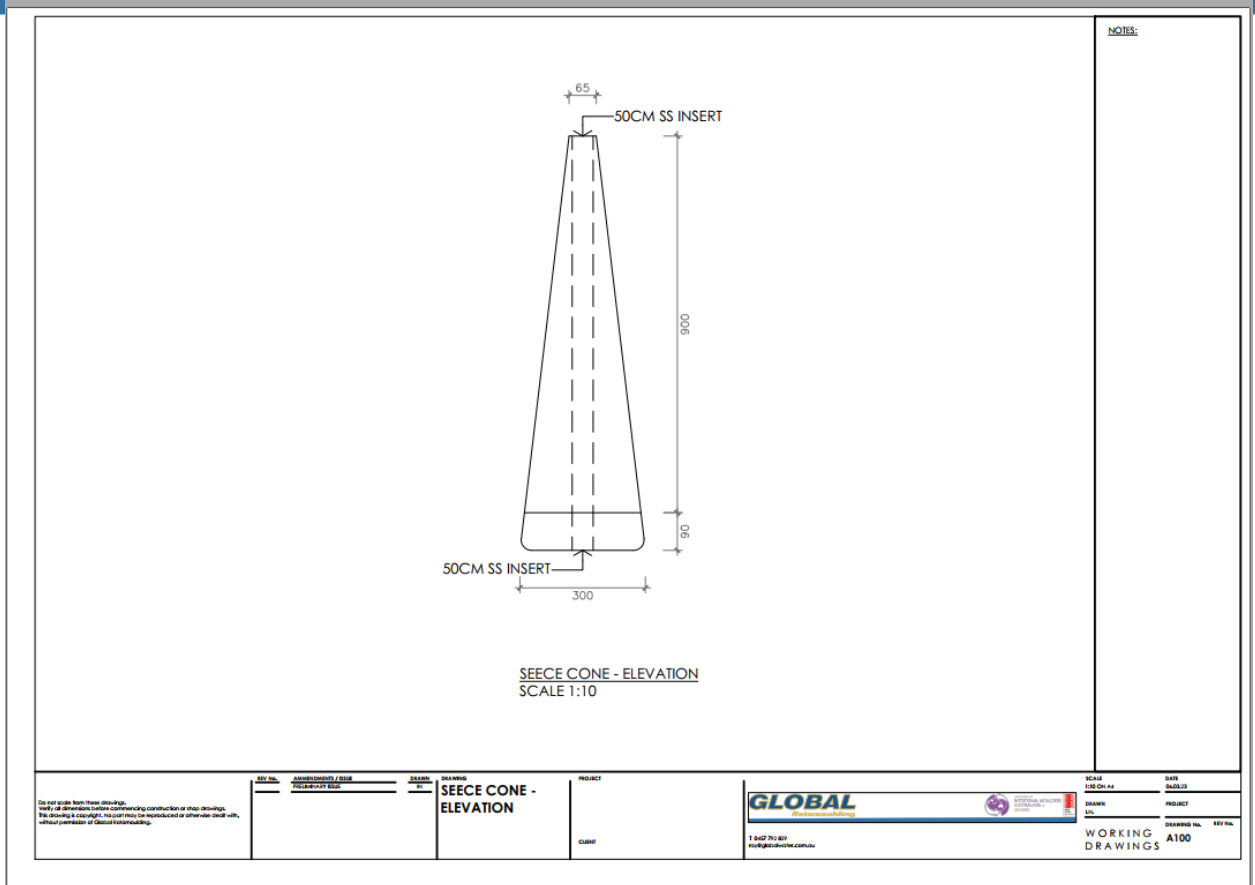
- Automatic airventing
- Completely in AISI 304
- Large free passage
- Reliable vortex impeller
- Powerful pump
- Wide range

(Primary Chamber)

LENNTECH

WATER TREATMENT Solutions

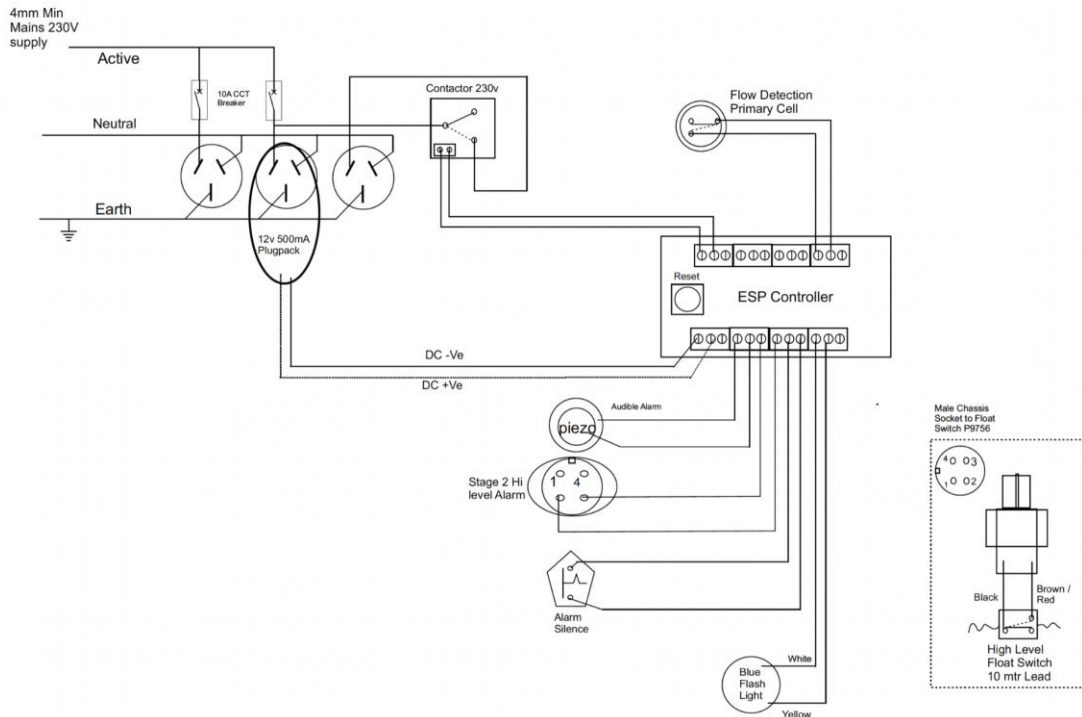






OEM part.
Supplied by Green NRG
As for part No. GRNGWC2

Description: Wet Cell Controller C/W Flow Kit & Hi Level Sensors
Purchase from Global Rotomoulding



GreenNRG V1.1
AERATED Wet Cell
3/2023



Note: Tank lid with top load and lid mass.

AERATED Wet Cell System



Australian
Standard

AS/NZS 1546.1.2008

Licence No: SMK40297

AS/NZS 1546.3.2017

Licence No: SMK40298

SAI Global

UBI
AQUA



www.ubiaqua.com.au

Vessels Capacity

1,500ltrs Per Day

Serial No: _____

Date: _____

Plate must be applied in a prominent position with easy visibility.

