



Department of  
Conservation  
*Te Papa Atawhai*



### Parts Required:

- |  |   |
|--|---|
| ① 1 x Base Unit<br>671-003-100                         | ⑮ 1 x Roof<br>671-012                                       |
| ② 1 x 500L Tank<br>671-005                             | ⑯ 2 x Roof Signboard (one set wrapped cardboard)<br>671-013 |
| ③ 1 x Grate Middle Support<br>671-015                  | ⑰ 2 x Roof Surround Frame Part 1 (with brackets)<br>671-202 |
| ④ 2 x Base Mirrors<br>671-008                          | ⑱ 2 x Roof Surround Frame Part 2 (straight)<br>671-201      |
| ⑤ 2 x Earth Anchor PE18<br>671-954                     | ⑲ 4 x Roof Uprights<br>671-203                              |
| ⑥ 4 x Earth Anchor PE26<br>671-933                     | ⑳ 1 x Centre Handrail<br>671-211                            |
| ⑦ 4 x Earth Anchor Brackets<br>671-359                 | ㉑ 1 x 1.6m Pipe 40mm<br>671-811                             |
| ⑧ 4 x Scaffolding Foot (Optional Extra)<br>671-931     | ㉒ 1 x 2.5m Pipe 25mm<br>671-804                             |
| ⑨ 2 x Side Signboard Frame<br>671-251                  | 1 x Fitting Kit (see page below)                            |
| ⑩ 2 x Signboard (one set wrapped cardboard)<br>671-250 |   |
| ⑪ 2 x Gates (one set wrapped cardboard)<br>671-150     |   |
| ⑫ 2 x Handrail Assembly<br>671-101                     |   |
| ⑬ 2 x Seats<br>671-106                                 |   |
| ⑭ 2 x Drench Gun & Hand Brush Assembly<br>671-100      |   |

### Fitting Kit:

- (23) 10 x M8 Galv Hex Bolt 65mm  
671-901
- (24) 4 x M8 Galv Hex Bolt 25mm  
671-940
- (25) 20 x M8 Galv Washer OD 22mm  
671-902
- (26) 26 x M8 Galv Spring Washer  
671-903
- (27) 14 x M8 Galv Nut  
671-904
- (28) 4 x M8 SS Buttonhead Bolt 20mm  
671-912
- (29) 4 x M8 SS Washer  
671-915
- (30) 4 x M8 SS Spring Washer  
671-914
- (31) 10 x M6 SS Hex Bolt 16mm  
671-910
- (32) 10 x M6 SS Nylok Nuts  
671-907
- (33) 10 x M6 SS Washers  
671-909
- (34) 16 x TEK Screw with Seal 35mm  
671-949
- (35) 44 x TEK Screw 25mm  
671-905
- (36) 28 x Aluminium Rivet  
671-923
- (37) 4 x FRP Brackets  
671-009
- (38) 4 x Gate Hinges  
671-935
- (39) 3 x Cable Ties Large  
671-932
- (40) 2 x Cable Tie (Adjustable)  
671-945
- (41) 1 x 32-50mm Hose Clamps  
671-922
- (42) 1 x Male Tank Fitting (Supplied with Tank)  
671-818
- (43) 1 x Male Tank Fitting 25mm  
671-958
- (44) 2 x Male Hose Coupling 25mm  
671-806
- (45) 1 x Male Hose Coupling 40mm  
671-805
- (46) 1 x Plastic Tank Tap 25mm  
671-957
- (47) 2 x Drench Gun Tank Plug - Assembly  
671-040
- (48) 1 x Base Centre Pipe 100mm with Cable Tie  
671-007
- (49) 1 x Gutter Foam 150x100x60mm  
671-816
- (50) 1 x Gutter Foam Retaining Strap  
671-819
- (51) 1 x Base Plumbing Assembly  
671-050
- (52) 1 x Tank Cap Assembly  
671-026
- (53) 12 x M8 SS304Hex Bolt 65mm  
671-926
- 1 x Spare Fasteners Kit (see page below)  
671-000-S01

### Tools Required:

- 1 x Rivet Gun
- 1 x Power Drill
- 1 x Heavy Duty Impact Drill with 7/16" Driver
- 1 x Ratchet
- 1 x Socket Set
- 1 x 60mm Adjustable Wrench
- 1 x 10mm Spanner
- 1 x 3/8" TEK Screwdriver Long Stem
- 1 x 13mm Spanner
- 1 x Allen Key Set
- 1 x 4mm Drill Bit
- 1 x 6mm Drill Bit
- 1 x 25mm Drill Bit
- 1 x 40mm Drill Bit
- 1 x Thread Tape
- 1 x Craft Knife
- 1 x Phillips Head Screwdriver
- 1 x Flat Head Screwdriver
- 1 x Hacksaw
- 2 x Rubbish Bags
- 1 x Pen
- 1 x Tape Measure
- 1 x Pipe Cutter
- 1 x Deburrer
- 1 x Rubber Mallet
- 1 x Nail Clippers
- 2 x Quick Grip F-Clamps
- 1 x Multi-Grip Pliers
- 1 x Cutting Pliers
- 1 x Auger Drill Bit

### Spare Fasteners Kit:

- 2 x M8 Galv Hex Bolt 65mm  
671-901
- 1 x M8 Galv Hex Bolt 25mm  
671-940
- 2 x M8 Galv Washer OD 22mm  
671-902
- 2 x M8 Galv Spring Washer  
671-903
- 3 x M8 Galv Nut  
671-904
- 1 x M8 SS Buttonhead Bolt 20mm  
671-912
- 1 x M8 SS Washer  
671-915
- 1 x M8 SS Spring Washer  
671-914
- 1 x M6 SS Hex Bolt 16mm  
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- 2 x TEK Screw with Seal 35mm  
671-949
- 2 x TEK Screw 25mm  
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- 2 x Aluminium Rivet  
671-923





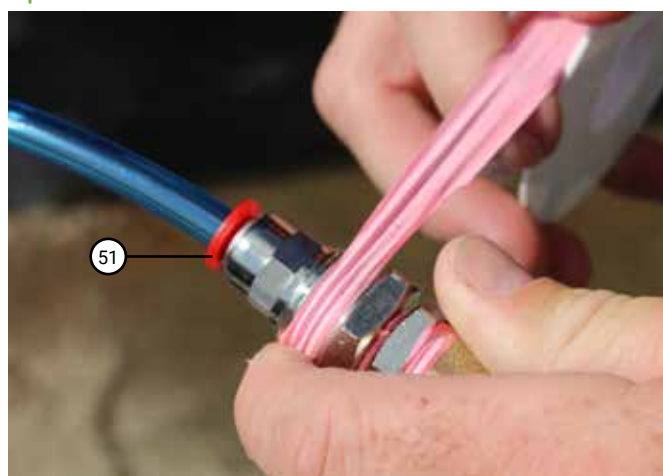
Inspect base underside for any damage prior to install. Orientate base to the direction of walking traffic on track.



Ensure the centre of the base is in line with the sink hole. Then insert the 100mm base centre pipe into the central hole of the base up to the cable tie.



The centre pipe should sit in the middle of the base like so.



Take the central plumbing assembly and thread tape it like so, making sure to wrap the tape in the opposite direction to the direction of the thread.



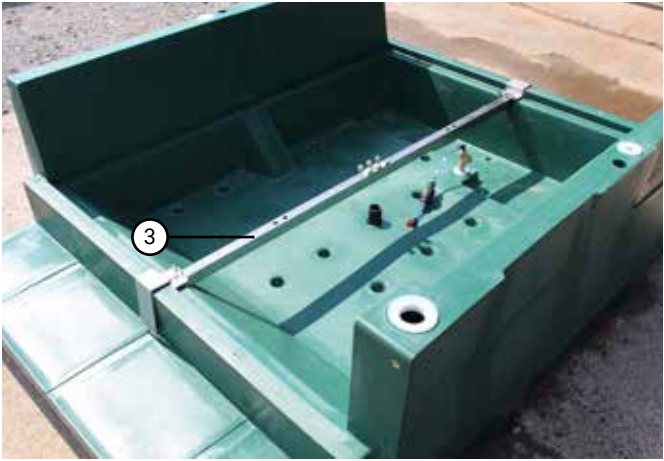
Insert the central plumbing into the designated thread hole in the base as shown. Nip up tightly with an adjustable wrench.



The base should now have your central plumbing assembly and centre pipe installed like shown.



Ensure your base looks like this so far.



Place the middle grate support into the centre of the base. Use a rubber mallet to assist with fitting if it is tight to push down.



Take the tank cap assembly and ensure the floatie cannot pull off the blue hose and that the hoses are plugged into the cap securely.



Insert the red hose into the sterigene tank first.



Then squeeze the foam floatie on the end of the blue hose and insert it into the sterigene tank.



Screw the tank cap onto the sterigene tank tightly so it will not leak.





Lie the sterigene tank on its side in the bottom of the base in the rectangular divot with the cap next to the central plumbing assembly.



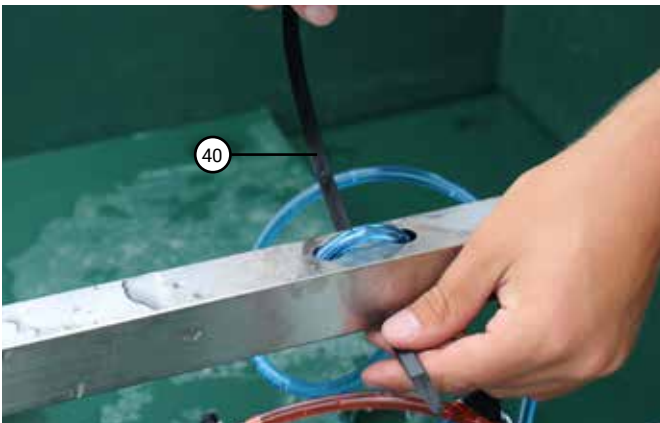
Ensure the sterigene tank is rectangular like shown, NOT square as this will not fit under the mesh.



Take the end of the blue hose attached to the sterigene tank and insert it up through the first hole in the middle grate support.



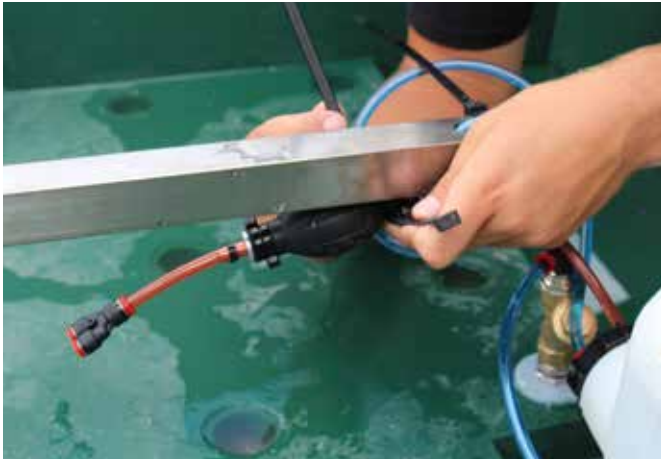
Loop it over and insert it into the next hole, pushing the hose along inside the middle support.



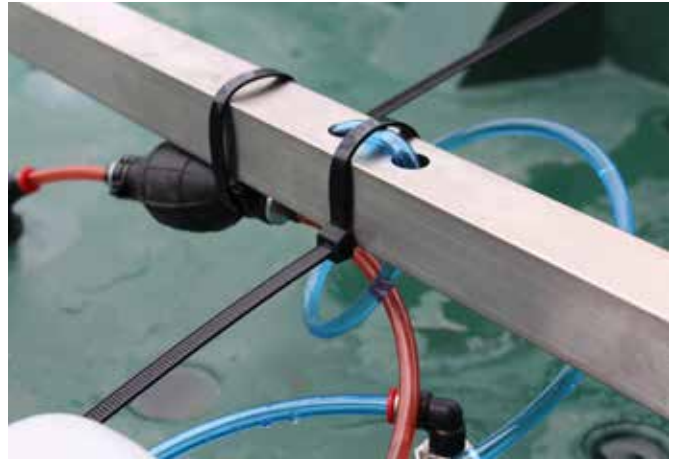
Use an adjustable cable tie around the middle support to hold the blue hose in place.



Tighten the adjustable cable tie, being careful not to squash the hose. Pull the locking mechanism of the cable tie underneath the middle support bar so it will not be in the way of the mesh.



Using another adjustable cable tie, secure the fuel bulb from the sterigene tank to the underside of the middle support grate like shown.



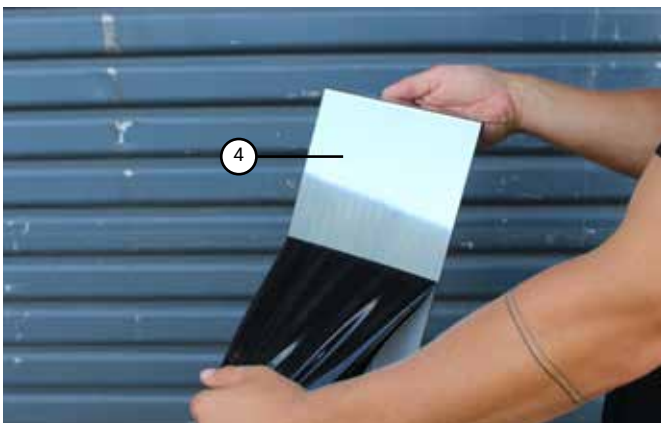
Again, ensure the cable tie mechanisms are sitting to the side or underneath of the middle support grate. Repeat on the blue/ water fuel bulb around the middle support.



Use cutting pliers to trim the cable ties.



Use nail clippers to remove sharp edges of the trimmed cable ties.



Remove protective film from the mirrors.



Install a mirror at the exit sides of the base. Ensure the mirror locks onto the thicker edging of the base and will not slide easily.





The front right mirror should sit hard against the internal corner of the base as shown, next to the plumbing thread.



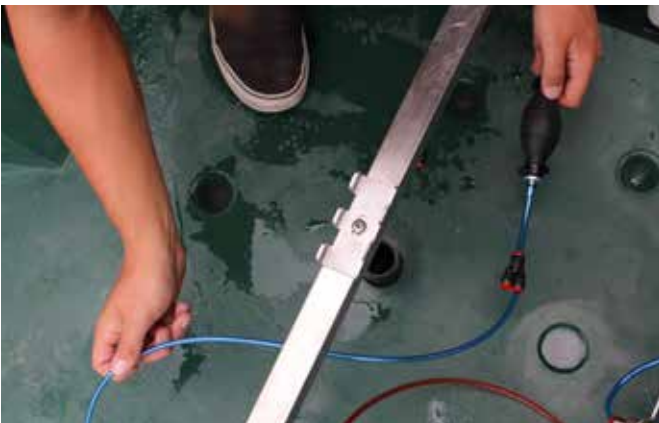
The back left mirror should align with the exterior moulded indents in the base as shown.



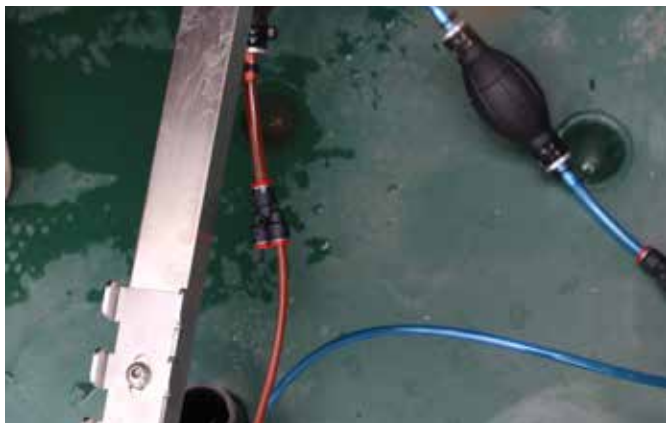
Your base should now look like this.



Sit an assembled floor unit into the base as shown. It may help to lie it down on its side.



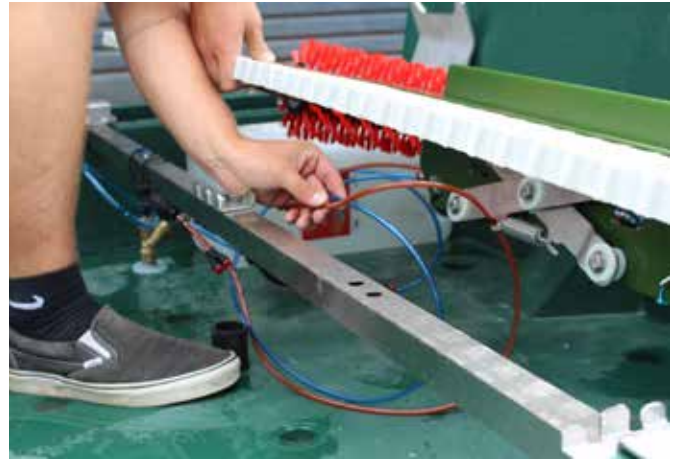
Take the end of the blue hose from the treadle and plug it into the Y-fitting of the blue fuel bulb attached to the central plumbing on the base.



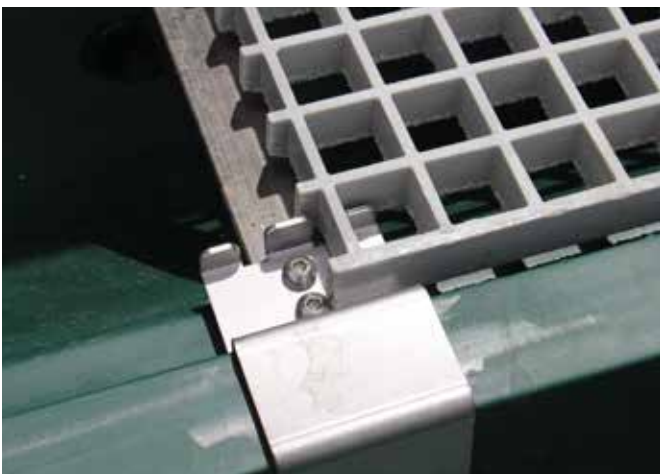
Then take the end of the red hose attached to the treadle and plug it into the Y-fitting attached to the red fuel bulb cable tied to the middle support.



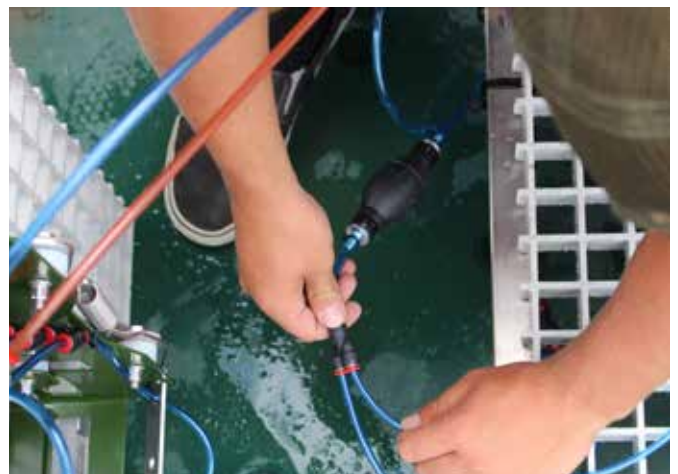
Lower the floor unit into the base, start by aligning the mesh with the central middle support brackets, then lowering the side against the base edge.



Make sure the plumbing/hoses do not get caught underneath the mesh when lowering them onto the middle support.



Ensure the first corner of the mesh sits onto the central bracket like shown at each end.



Take a second floor unit and sit it into the base. Repeat the previous steps of plugging the blue and red hoses into the Y-connectors as shown before.



Lower the mesh, again starting by lining the internal edge with the central brackets then lowering the side against the base wall.



Your base should now look like this. Ensure the mesh is orientated correctly and the mirrors are placed at the treadle ends of the mesh.





Take a roof upright and orientate it so the round slotted holes match up with the threaded inserts in the base.



Hold the upright hard up against the corner of the base.



Take a 65mm M8 SS Hex Bolt with a M8 Galv Spring Washer and M8 Galv Flat Washer and thread it into the first hole as shown. Screw into the base loosely by hand.



Screw in another M8 fastener set into the other two allocated holes and loosely into the base as shown. Ensure all bolts are in by hand BEFORE using tools to tighten.



Use the ratchet with 13mm socket to tighten the hex bolts in place. Do up tightly until the upright cannot move.



Insert the tee-head of the earth anchor bracket into the rectangular slot of the upright as shown.





Rotate the bracket down until flush with the ground and vertical edges are in line with the upright.



Insert the tip of a TEK screw into one of the holes on the earth anchor bracket.



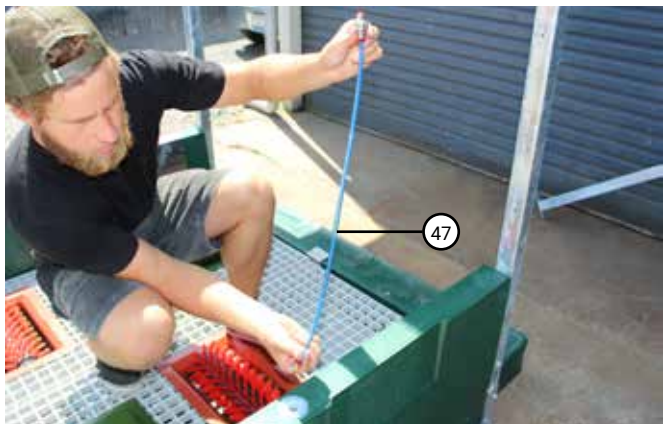
Use the power drill and 3/8" TEK screw drill bit to screw them into the upright. Repeat on the other hole of the bracket.



Your earth anchor bracket should now look like this.



Repeat steps for installing uprights and earth anchor brackets onto each corner of the base as shown.



Take your drench gun tank plug assembly.



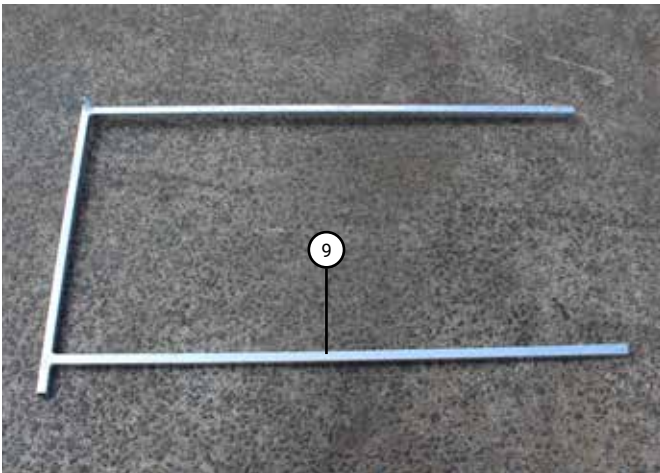
Insert the push fitting end into the plumbing thread hole on the top edge of the side of the base.



Screw the large plumbing fitting into the base thread.



Nip tightly with an adjustable wrench. Repeat on opposite side of the base.



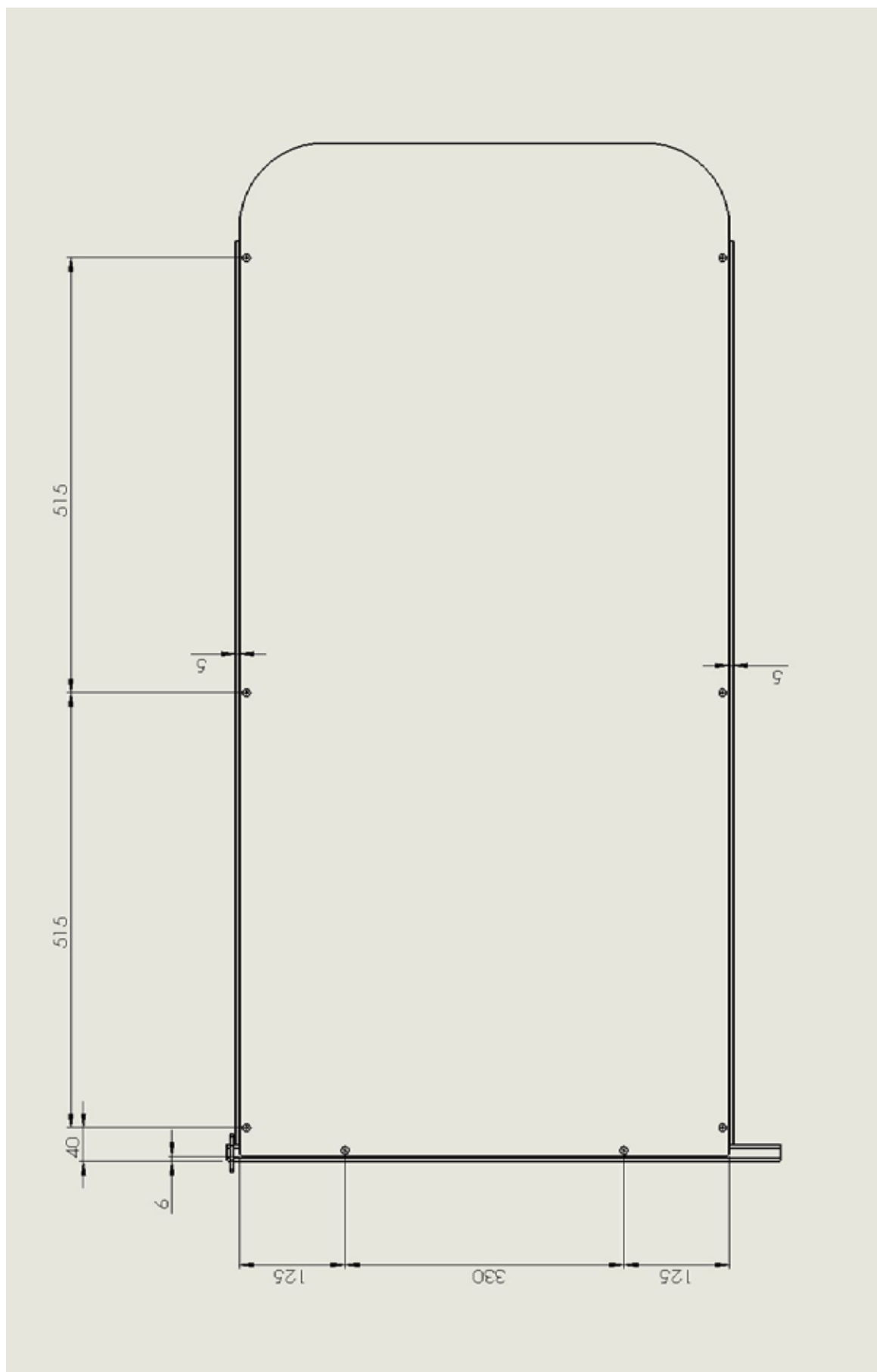
Take a side signboard frame and lie it down on the ground, with the connecting bracket at the top.



Get a signboard and lie it on top of the frame, lining the edges up like shown.



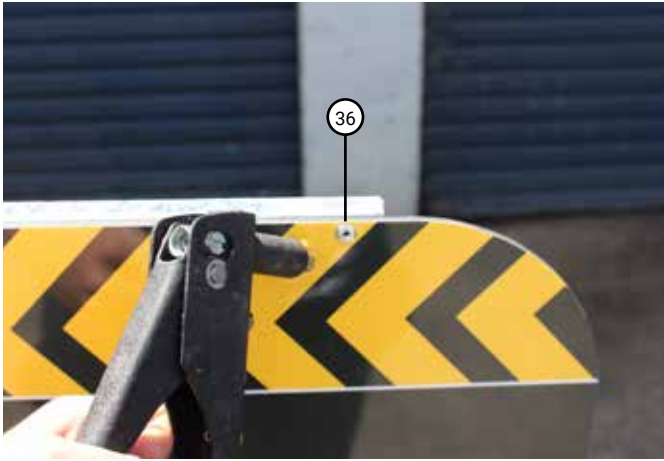
Using a tape measure and pen, mark out the drill spots as shown on the next page.







Using a power drill and 6mm drill bit, drill through the signboard and first layer of the frame where you have marked.



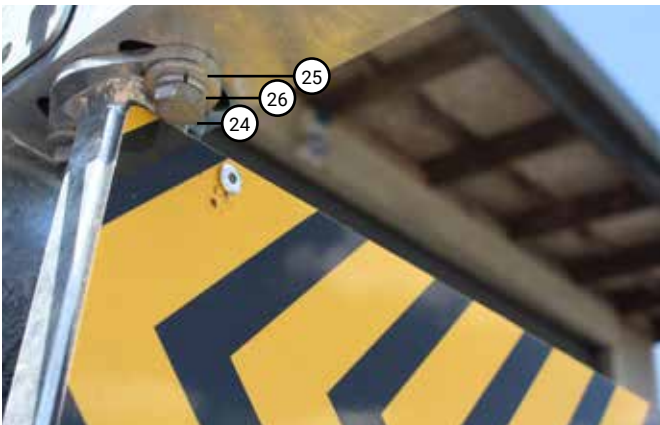
Rivet the signboard to the frame as shown.



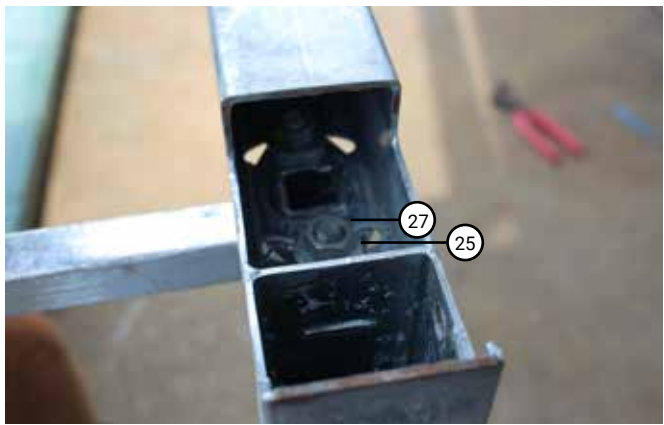
Your sign should have 8 rivets in it in total and should be orientated correctly to the station when mounted.



Take a side signboard frame and line the top bracket up with the aligning hole in the handrail.



Insert a M8 25mm Galv Bolt with springwasher and flat washer into each of the aligning holes of the side signboard frame and handrail.



Fasten bolts in place with another M8 Galv flat washer and M8 Galv nut onto the threads inside the handrail. Tighten using a 13mm spanner and 13mm socket and wrench. Repeat for the second handrail / sideboard.



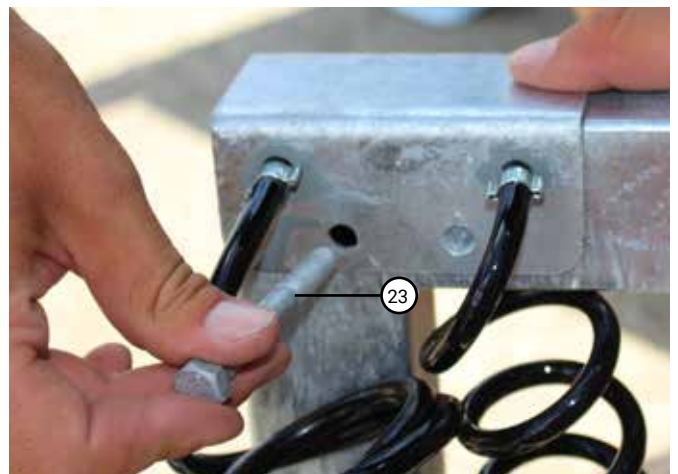
Take a handbrush and drench gun assembly and insert the attached blue hose down the centre of the handrail.



Sit the bracket onto the slot on the handrail so the side with the black coil hoses will face towards the mesh once installed.



Line the bracket hole up with the hole in the handrail.



Insert an M8 65mm Galv Hex Bolt.

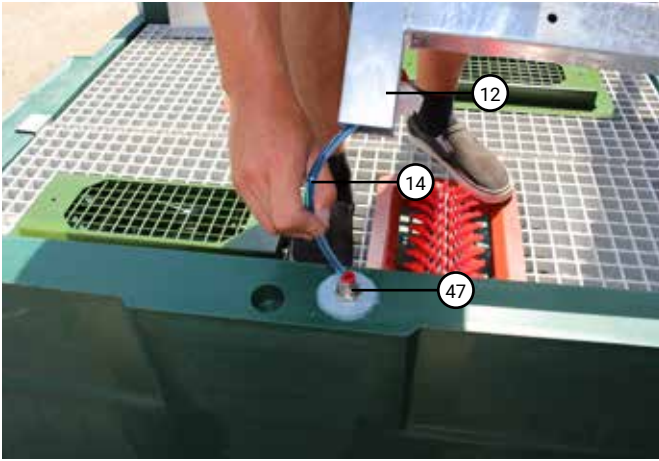


Thread a M8 Spring Washer and M8 Galv Nut onto the end of the bolt.

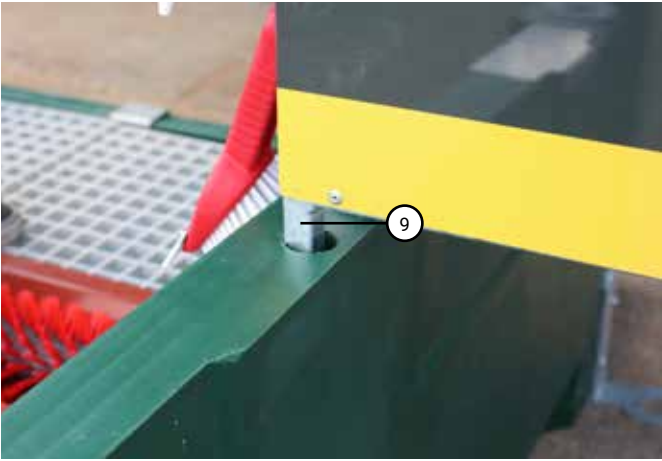


Tighten using a 13mm spanner and a 13mm socket and wrench.





Hold the handrail above each of the drench gun plugs in the base. Plug the drench gun hose into the push fitting in the base as shown.



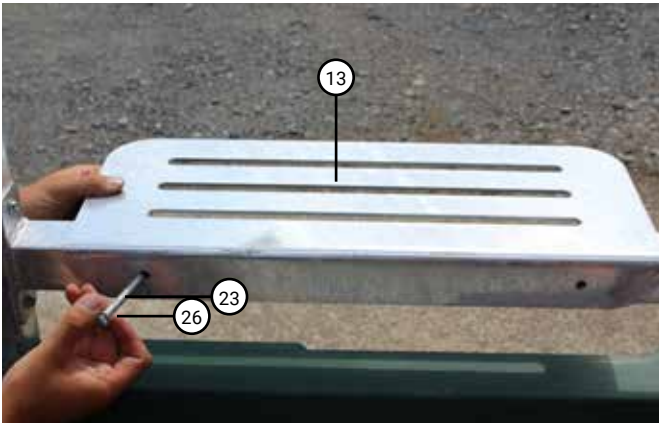
Ensure the signboard frame slots into the adjacent hole to the drench gun tank plug.



Line the ends of the handrail with the holes in the upright posts. Insert the TEK Screw tip into the holes.



Using the power drill and TEK screw bit, fasten the handrail to the uprights.



Place a seat onto the horizontals on the handrail, lining them up with the associated holes so the seat hangs over the outside of the base. Insert a M8 Galv 65mm Bolt with M8 Spring Washer into each hole.

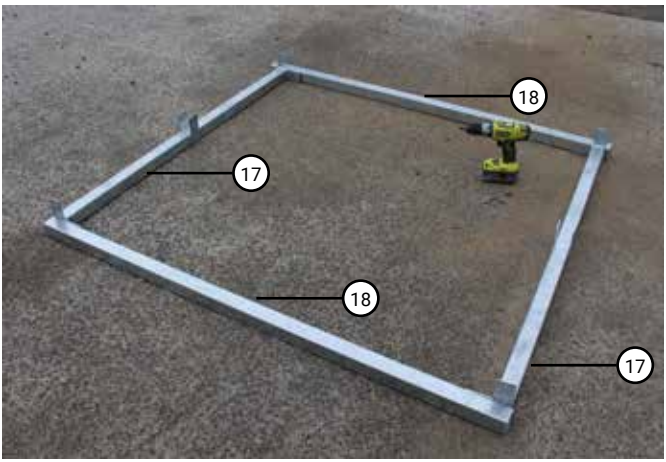


Thread a M8 Galv Nut onto the bolt and tighten using a 13mm spanner and a 13mm socket and wrench. Repeat on other handrail. Each seat should be next to the foot scraper/ footbrush on the mesh.





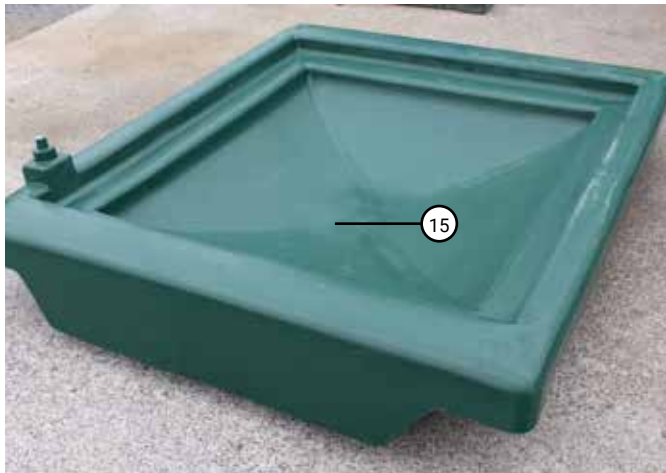
Your station should now look like the picture above. Ensure the signs are orientated correctly.



Take the roof steelwork and lay it out on the ground like shown. Line up the TEK screw holes.



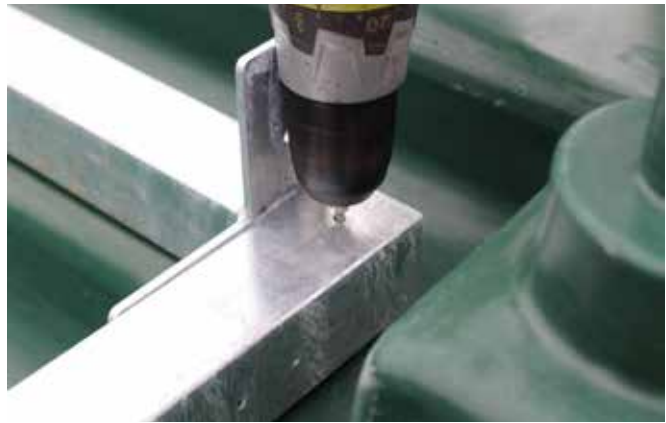
TEK screw each corner together until tight and the frame cannot wobble.



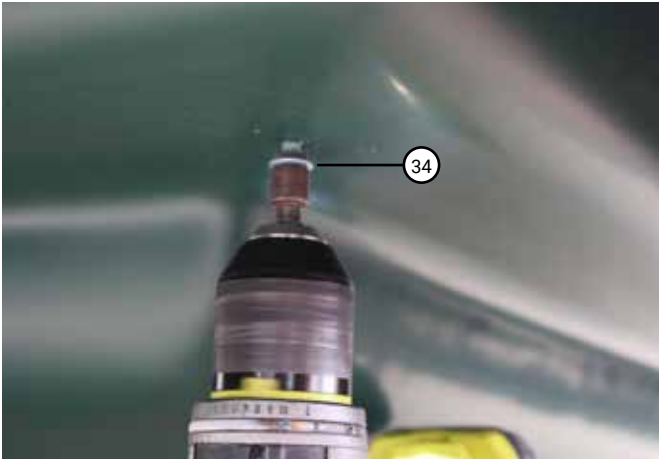
Lay the roof upside down on the ground.



Sit the roof framework into the plastic roof and line it up as squarely as possible.



Holding the frame steady, drill right through the frame on the marked holes at each corner. Keep drilling through the plastic roof.



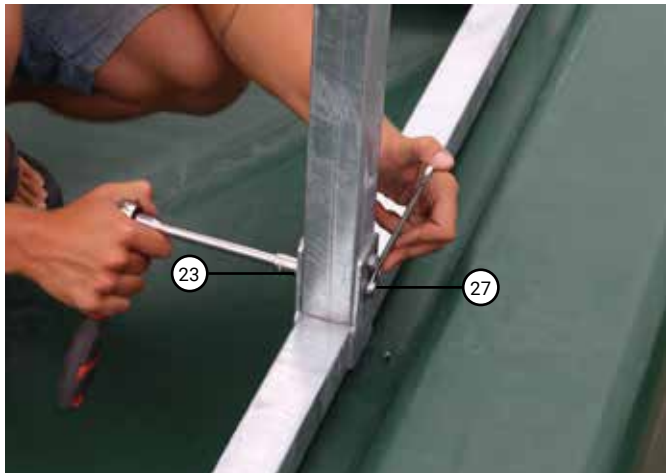
Screw a Seal TEK screw up from underneath the roof into the framework. Repeat on all four corners.



Ensure TEK screws are flush with the roof to create a good seal.



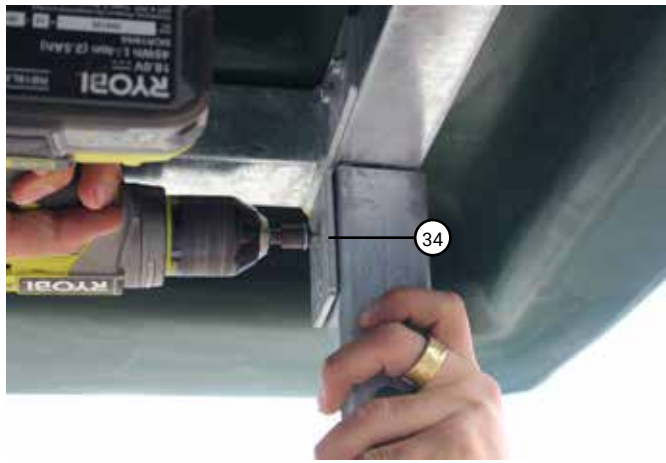
Next take the centre handrail and line it up with the roof framework. You may need to use a rubber mallet to knock it in.



Use a 12mm spanner and socket wrench to do up two M8 65mm Galv Hex Bolts with M8 Galv Nuts on each side of the centre rail.



Using two people, carefully lift the roof up and onto the uprights of the station.



Line the holes up in each corner and screw in two seal TEK screws into the framework in each upright.





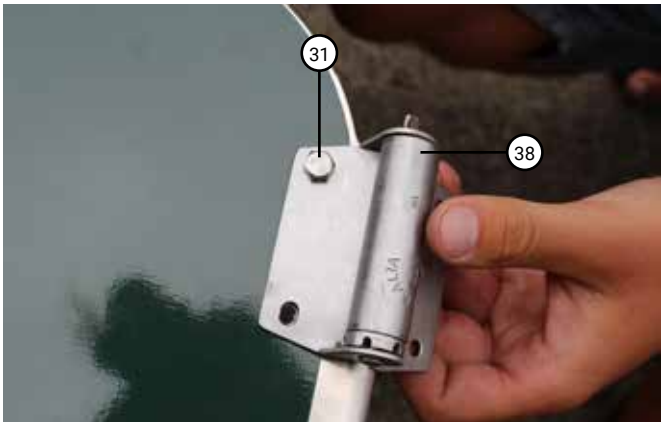
You may need to have someone helping to hold the framework in line while inserting the TEK screws.



The station should now have the roof on securely with the centre handrail hanging down from it.



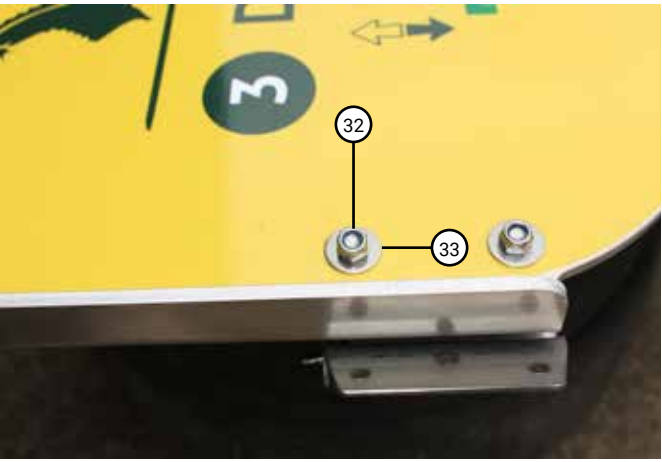
Next take a gate sign and lie it down on a table or bench.



Fasten a closing hinge onto the designated holes in the gates using M6 x 16 Stainless Hex Bolts, M6 Nylok nuts and M6 Stainless Flat Washers.



Ensure the cylindrical part of the hinge is on the same side as the outer curve of the gate edge like shown.



The hinges should look like this on the opposite side.





Tighten using a spanner and socket wrench.



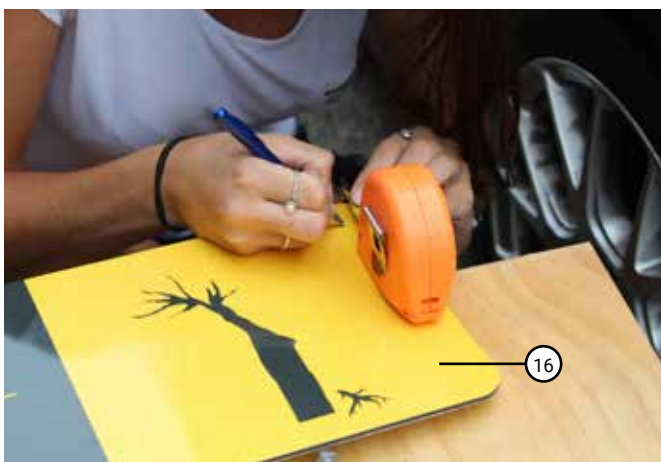
Line the top gate hinge hole up with the top hole on the front of the uprights.



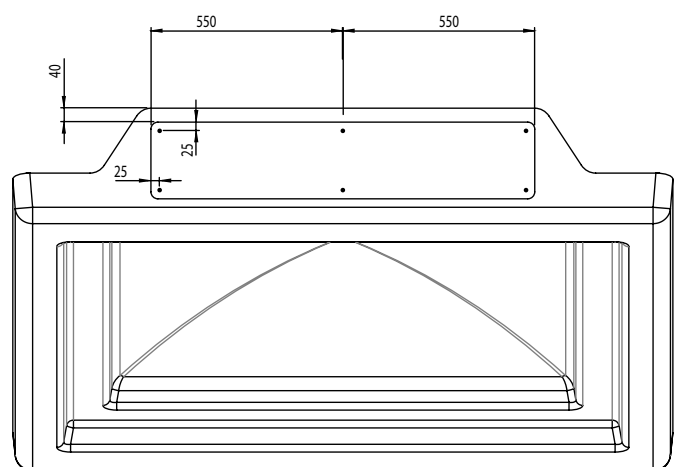
Using the power drill, screw in 3 standard TEK screws for each hinge. Ensure the top of the gate lines up with the top of the side handrails.

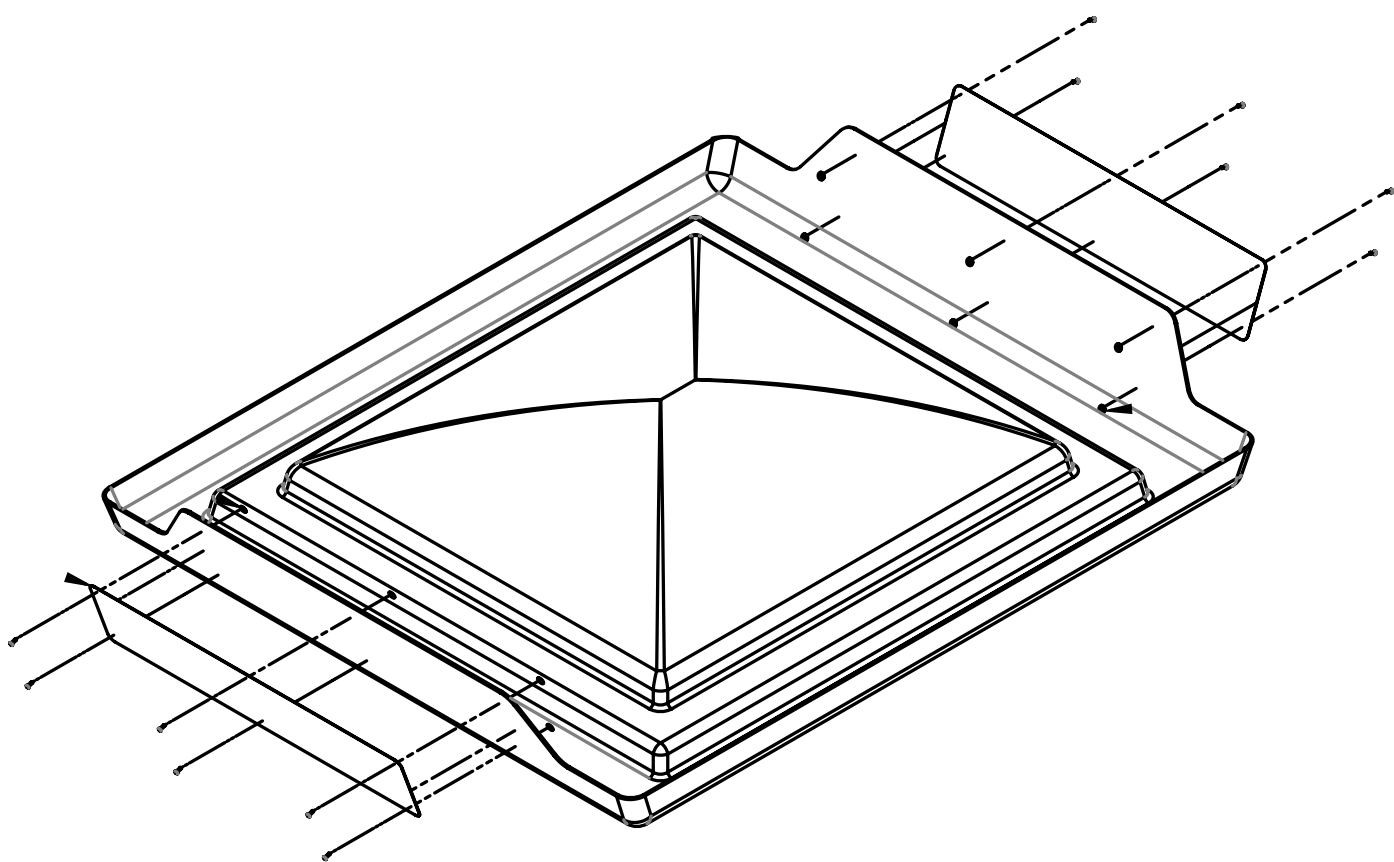


Ensure your gates are orientated correctly. There should be a gate at the exit end of each mesh like shown.



Take a roof signboard and lay it down carefully. Mark out the drilling holes as per the following image:







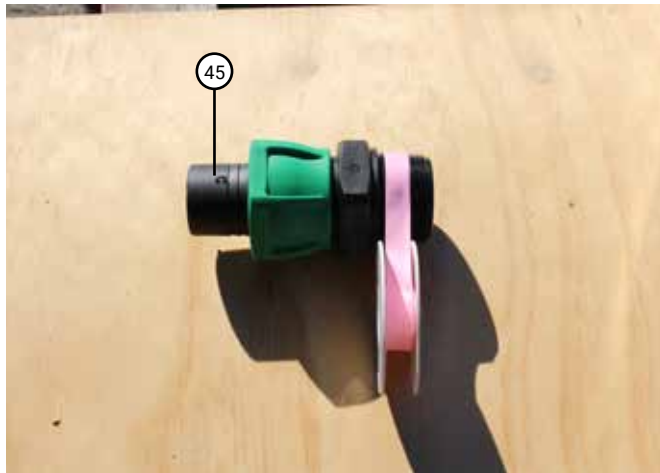
Line the roof signboard up correctly and ensure it is square and centred. Use a quick grip F clamp to hold the sign in place at each end.



Drill the the sign and into the roof where you have your marked measurements.



Rivet the signboard to the roof using 6 x aluminium rivets. You should have a sign on each entry/exit side of the station.



Take the 40mm Male Tank fitting and thread tape the end of the fitting.



Wrap the tape around, stretching as you do so, in the counter direction of the thread.



Screw the fitting into the base as shown.

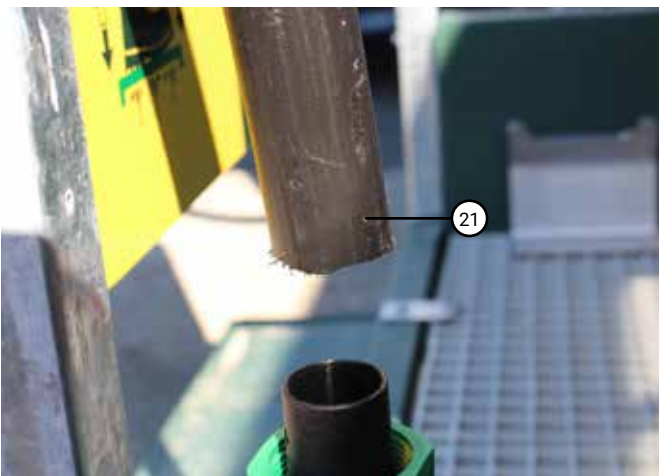




Use multi-grip pliers to screw the plastic fitting in as shown until tight. Do not overtighten.



Your fitting should be sitting flush with the clear thread insert on the base as shown.



Take the 40mm x 1.6m downpipe.



Push it all the way onto the black blank end of the fitting.



Screw the green nut up onto the pipe until tight.



Thread the hose clamp onto the pipe then push the pipe onto the drain.



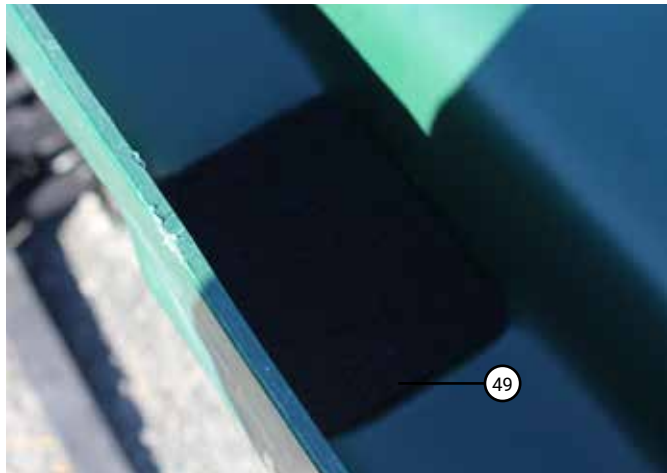
Tighten hose clamp with a 7mm socket. Ensure your pipe is cut square at each end at sits straight up and down, flush against the square drain filter box.



If your pipe is too long it will not attach correctly. Use 2 x large cable ties to secure the downpipe to the upright.



Locate the drainage hole in the roof gutter.



Insert your roof foam into the downpipe dropper hole.



Lay the bracing strap over the foam centrally like so.

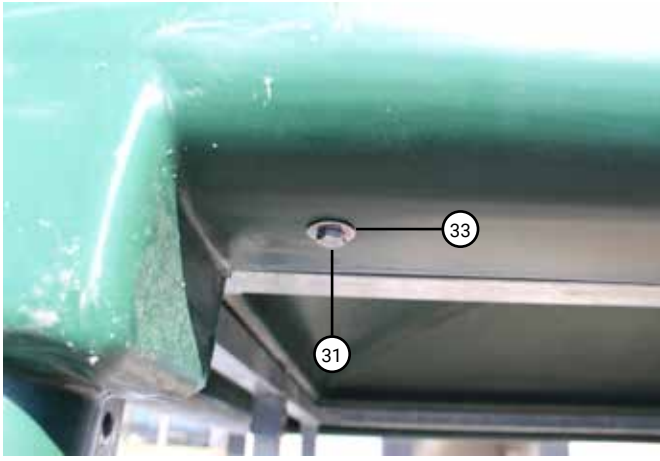


Using a 6mm drill bit, drill out the second hole in from each end of the strap, through the roof plastic too.

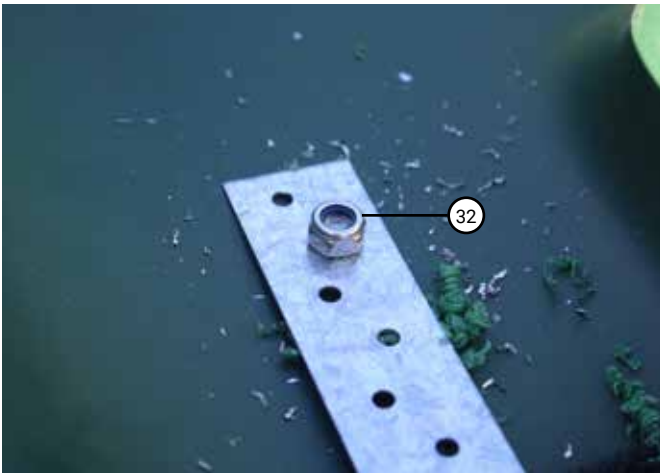




Your strap should look like this at each end. Clean up any swarf and plastic shavings from the roof gutter.



Push a M6 x 16 Hex Bolt and M6 Stainless Steel Flat Washer up from the underside of the roof into the strapping.



Screw a M6 Nylok nut onto the Hex Bolt.



Hold a 10mm spanner onto the hex head underneath the roof.

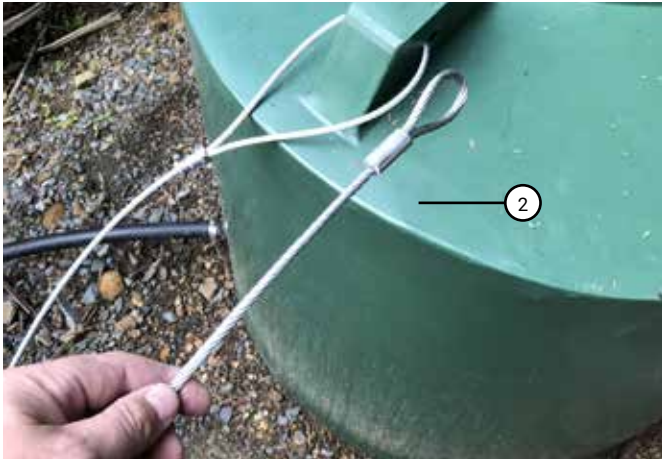


Tighten the nylok nut using a 10mm socket and ratchet.

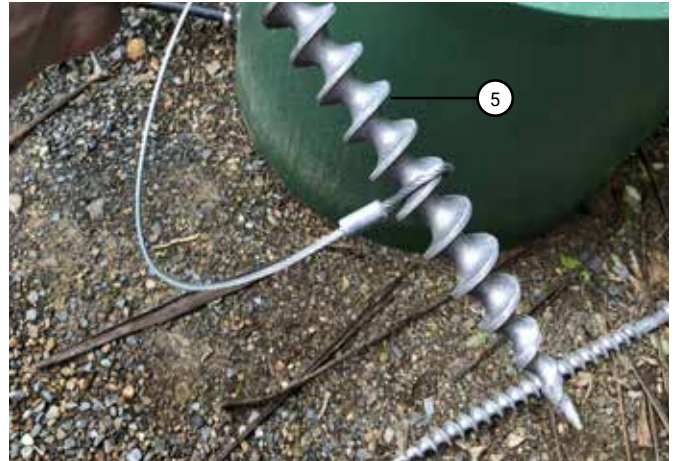


The roof foam should sit in the hole snugly but should be able to be squeezed and slip out from under the strap to be cleaned or replaced when necessary.





Take the small end of the wire cables attached to the water tank.



Thread the wire loop onto a PE18 Earth Anchor like shown.



Pull the wire rope out in line with the tank brackets until taught.



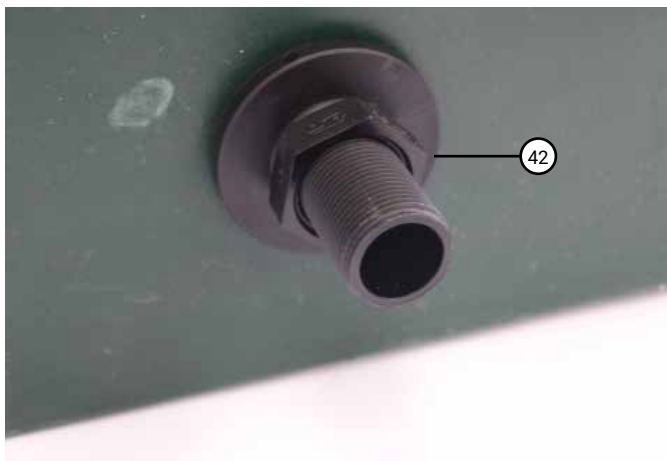
Screw the earth anchors into the ground like shown. Repeat for the opposite side of the tank.



Measure and mark 100mm up from the bottom of the water tank.



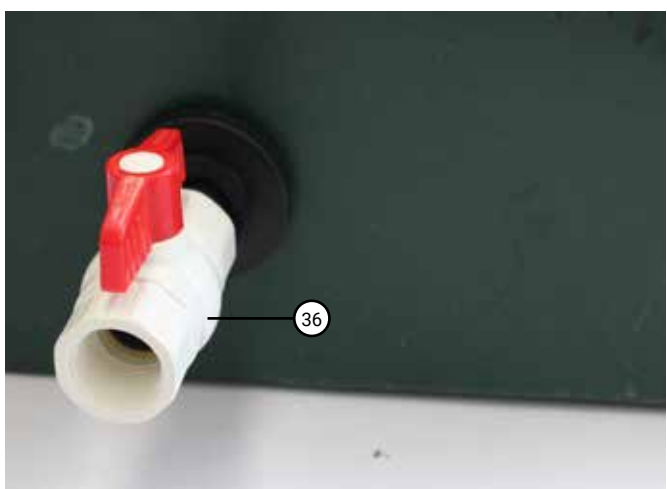
Drill a 40mm hole into the base of the tank.



Screw in the male tank fitting and do up tightly with the multi-grips.



Thread tape the end of the male tank fitting thread.



Screw on the tank tap.



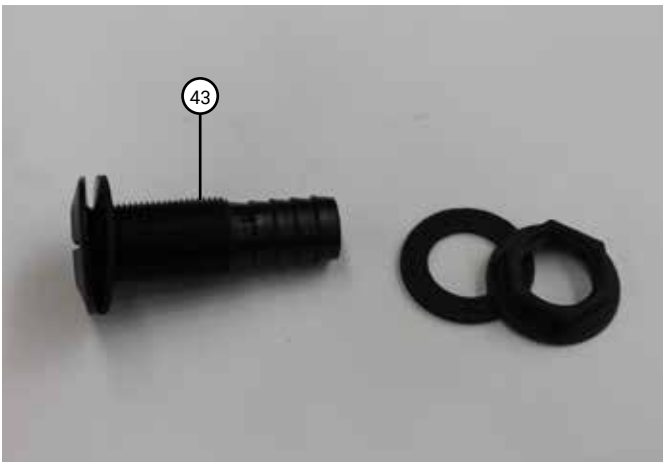
Thread tape the end of the 25mm male coupling.



Screw it into the tank tap.



Tighten with multi-grips.



Take the 25mm overflow male fitting and remove one of the seals and the nut.



Mark a hole on the join line at the top of the tank.



Drill a 40mm hole into the top of the tank.



Push the 25mm male overflow fitting through the tank so it sticks out on the exterior of the tank.



Push the seal on.

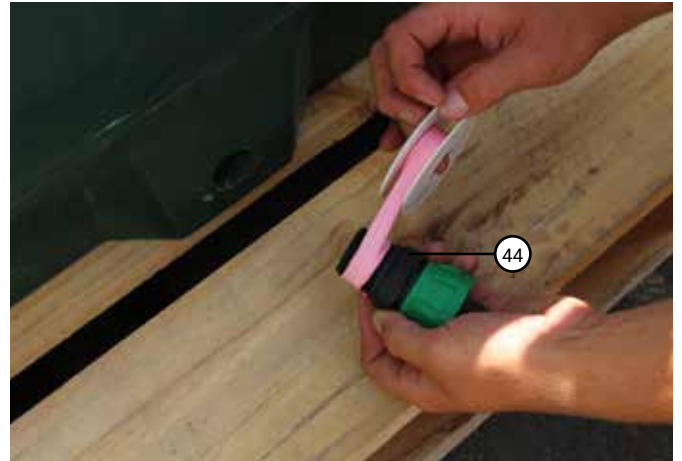


Then screw the nut on and tighten with multi-grip pliers.





Locate the threaded hole in the base.



Thread tape a 25mm male coupling.



Screw it into the base as shown.



Tighten with multi-grip pliers.



Take your 2.5m 25mm pipe and push it onto the fitting.



Screw the green nut onto the hose until tight.



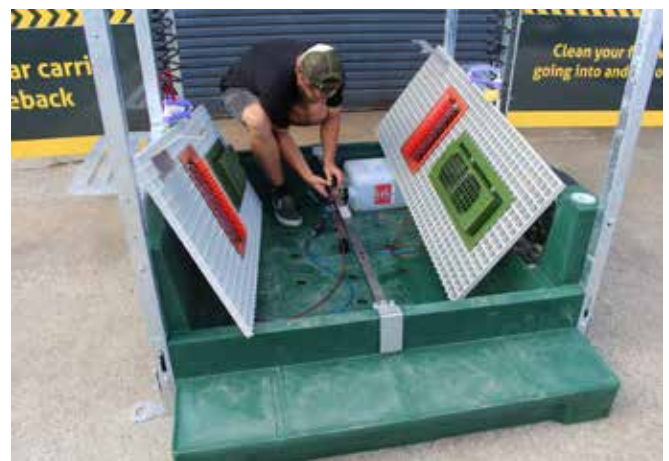
The base plumbing connection should look like this. Push the other end of the hose onto the water tank and screw the nut up. Cut the pipe shorter if necessary.



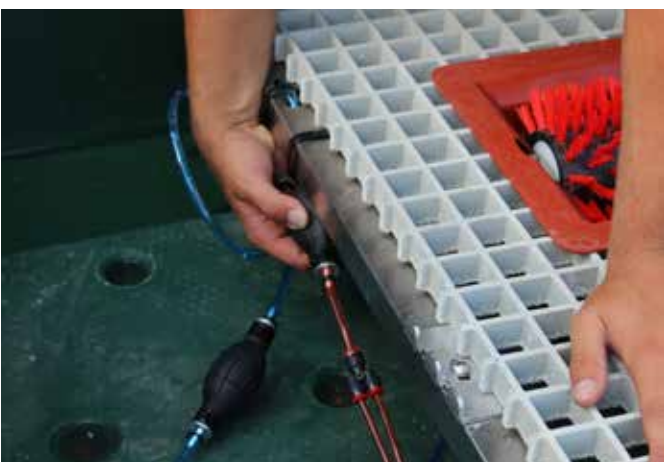
Remove the TEK screws in the lid of the tank. Twist the lid and lift off to fill the tank with water.



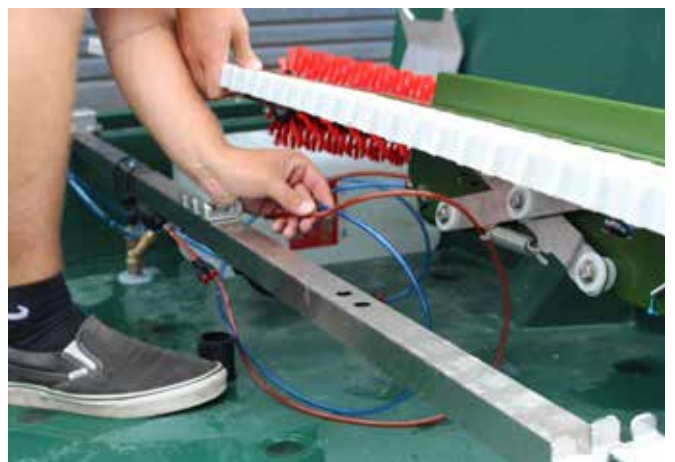
To prime the treadles ready for use, lift the mesh as shown from the outside edge.



Sit the mesh up on their sides like shown and locate the red and blue fuel bulbs under the middle grate support.



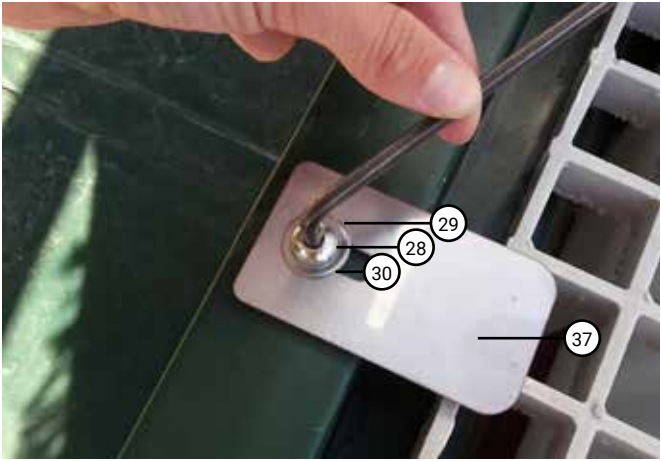
Squeeze the blue and red fuel bulbs until there is no more air in the hose lines and the treadles are spraying mist consistently.



Lower the mesh back down into place again, being careful to tuck the hoses out of the way.



Pump the treadles a few times with your foot to ensure the air is completely out of the system. You should see a slight foaming in the spray. This is the sterigene.



Screw in a FRP plate into the threaded holes at the end of each mesh. Fasten with an M8 SS Buttonhead Bolt, M8 SS Flat Washer and M8 SS Spring Washer.