



Eco Water Solutions
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GORILLA PUMP STATIONS
Further and Faster

475EZIFIT Stormwater and Sewage Pump Station

Installation Instructions

Thank you for purchasing a Gorilla Pump Stations tank and pump unit. These units are designed for tiny houses, baches, and basement-level bathrooms built below the sewer line. With a slotted grate fitted they are also suitable for stormwater.

Unpacking

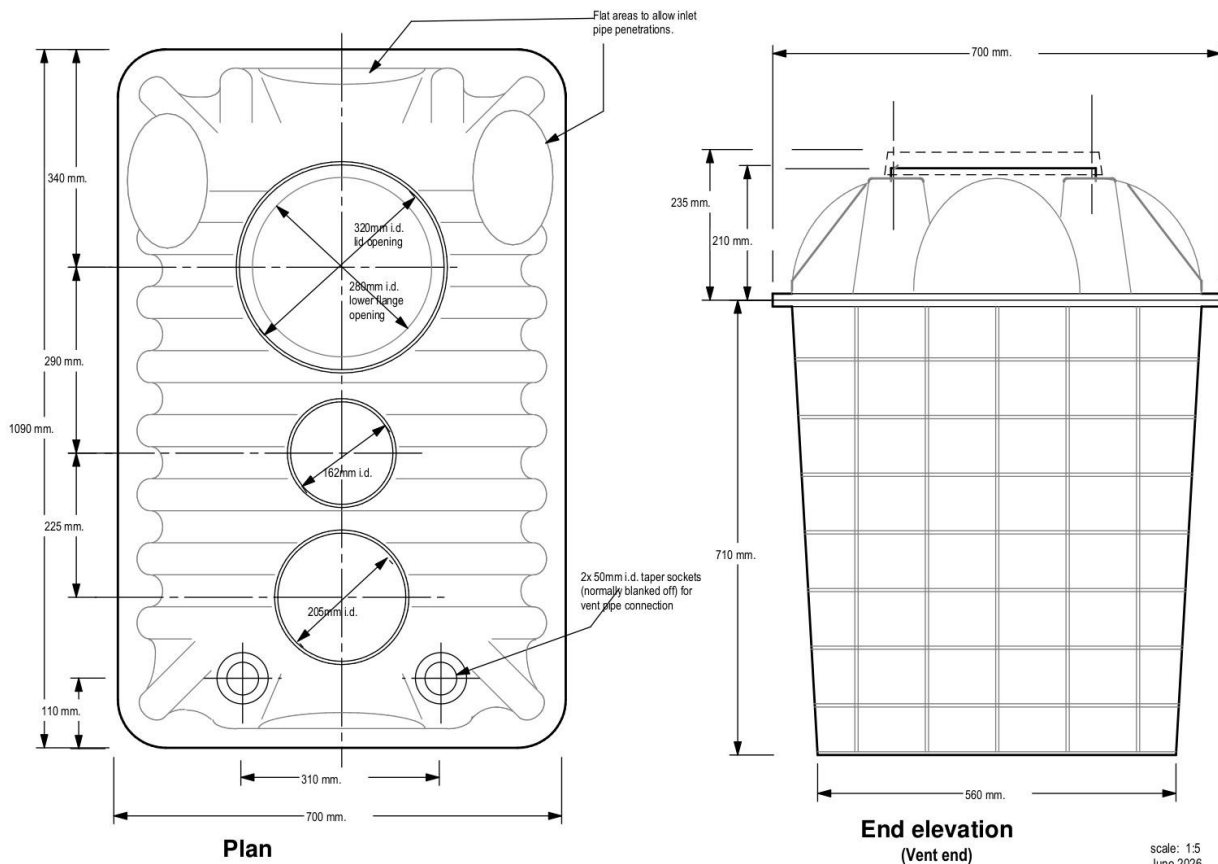
Before purchasing your pump station, please ensure that it meets regulatory requirements for its application.

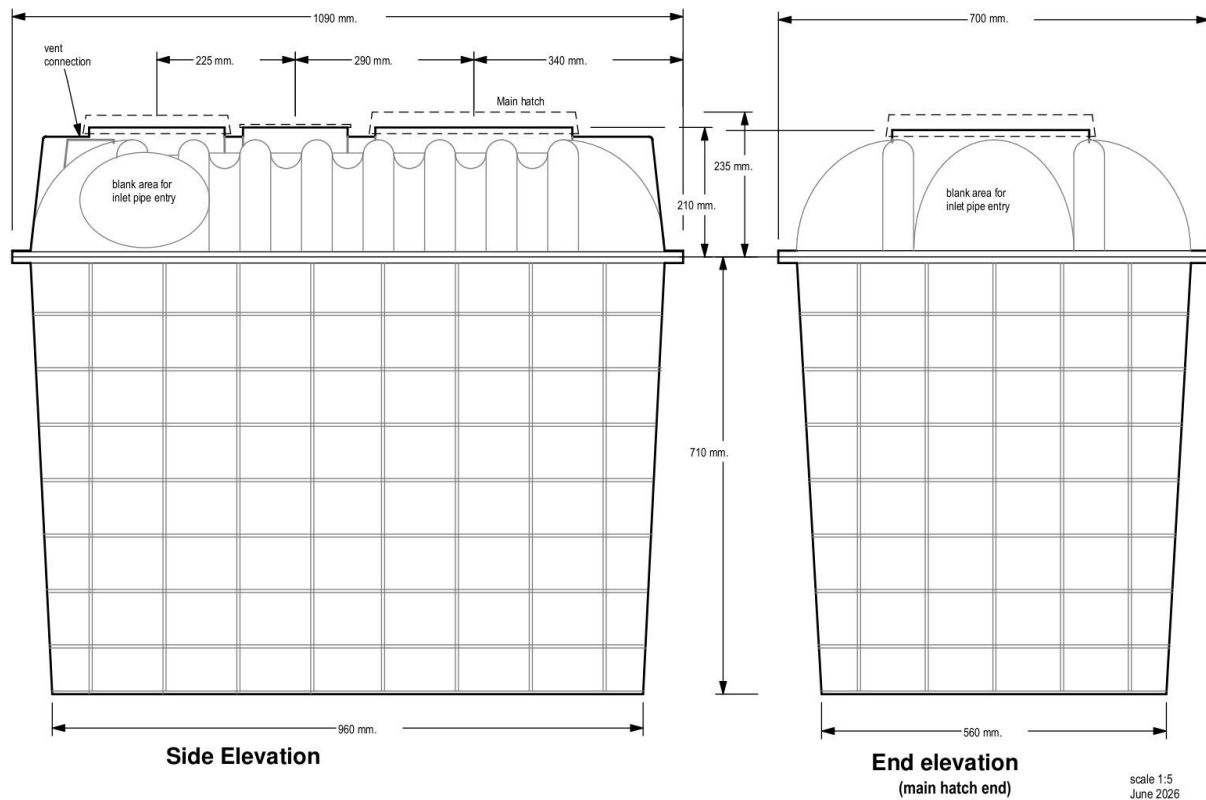
Remove the lid of the tank as the pump is packed within a carton inside the plastic tank. Underneath the pump are the discharge pipe fittings and valves.

Remove all packaging. When unpacking please check for possible damage caused in transit.

Check that the correct pump is installed in the unit.

General dimensions





Outlet connection

The outlet is a 40mm BSP-female screwed socket, normally located on right hand side when facing the inlet connection. If requested at time of ordering it can be located on the left side or on the inlet end.

Inlet Connection

Inlet connection is a 110mm ID pipe seal supplied loose. Cut 121mm hole at correct level to suit pipework.

Assembly

Please refer to the sectional drawings shown above so that you can see how the unit appears when fully assembled.

Do not use the power cable to lift the pump.

Connect the outlet ball valve to the outlet pipe.

When connecting the pipe union and the valve, check that the sealing O-ring is in place, and is not loose in the bottom of the tank.

Ensure that the pump is centred in the tank, and that the float switch is free to move up and down without obstruction.

The largest lid can be fitted with a slotted grate for stormwater use (as seen below). Ensure that this grate (if fitted) is well sealed to the tank.



Read the pump instruction manual supplied with the pump.

The lid is not designed to be stood on or walked upon.

The tank and lid are not designed to take the weight of vehicular traffic, so do not install in driveways or vehicle parking places.

There are three lids on the top of the tank, the largest one being used to insert and remove the pump. The others are for additional pipework, venting and inspection.

When digging a hole to install the tank in ground, we recommend a minimum of 100mm of wet concrete be placed in the bottom of the hole and the tank nestled into that level, in order to anchor it in place. The area concreted should be 200mm larger than the lid size.

If the tank is in a position that will mean that it will be regularly walked on, we recommend surrounding the top of the tank with concrete as well.

Vent

Vent to local Council requirements.

Power

The power outlet unit comes with a 50mm connector to act as a conduit for the pump power cable, as any cable installed in-ground requires installation in a conduit. A 50mm conduit (or similar) pipe will pass a 3-pin plug, and this enables installation without cutting the power cable, and so this eliminates the need for an electrician.

A 50mm white plug seal is provided to seal cable into outlet connection.

Tip: *if you ever withdraw the pump from the tank and need to remove the cable, tie a piece of string to the plug so that you can pull it back through the electrical conduit later.*

When installing, draw as much cable out through the electrical conduit as possible, rather than let it coil up inside the tank.

>> *Never lift the pump by the cable, as that will damage the pump.
Always lift using the handle on top of the pump.*

Pump Specs

275L/m	@	1m
240L/m	@	3m
200L/m	@	5m
100L/m	@	8m
50L/m	@	9m

120L/m	@	5m
110L/m	@	7m
100L/m	@	9m
95L/m	@	10m
Shutoff	@	10m

VORT400
(Sewage and
Stormwater)

FGP 'Fighter'
(For Sewage Only)

Read the pump instruction manual supplied with the pump.

A 50mm connection if fitted c/w seal plug for pump plug to be connected to 50mm electrical conduit or similar. This is needed if pump needs to be replaced or serviced. The 110mm inlet rubber/seal should be cut into the same side as the sewer pump.

Reducing conduit size will invalidate warranty.

Use Plumbquick connector between plug outlet and conduit.

An RCD (residual current device) must be used with this product

Maintenance

- Check regularly for build-up of solids or any other matter in pump chambers.
- Periodically wash down the inner walls of the chamber with a high-pressure hose to activate pump and thus flush out the chamber.
- Check that the vent pipe is also clean and free of any obstruction.