

Installation Instructions For Your Garden ResQ Grey Water Diverter Unit

Thank you for purchasing the Garden ResQ Grey water diversion unit. We at Garden ResQ are confident that you will have many years of trouble free service from your unit if installed and maintained as per the installation instructions. In the interest of your family's health and safety, the units outside electrical weatherproof connection must be certified by a qualified electrician. Any electrical point not certified as safe by a licensed electrician will void the warranty on our product. The unit is weatherproof as opposed to waterproof and will withstand most outdoor conditions. Please ensure that the unit is protected from pooling water.

Installation

The unit has been designed to accommodate bathroom grey water only. It is not advised to utilise any grey water originating in your homes kitchen. Research has shown that water from your kitchen contains animal fats and oils that are both detrimental to the unit and your garden. Laundry waste water is very high in sodium and phosphorous and this too can have a negative impact on your garden. Often this negative effect is only visible months after using grey water. If you are to use washing machine water please use a biodegradable washing powder.

The unit must always be positioned below the bathroom outlet pipes so that gravity will assist the free flow of water into the unit. GardenResQ unit may be installed using one of two methods depending on the location of the bathroom drain pipes exiting your home.

The first method is where the unit is free standing, above ground level and your bathroom plumbing exits your home at least 40cm above ground level.

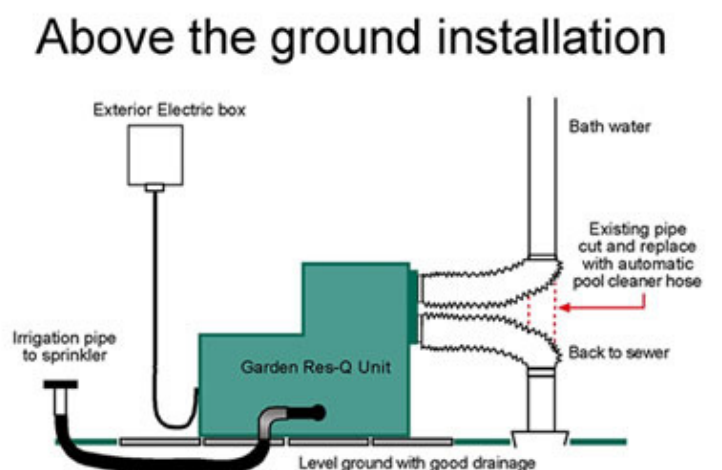
The second method is where the unit must be installed below ground level where the bathroom plumbing exits your home less that 40cm above ground level.

You will be required to purchase a 50mm male adapter with a 40mm female fitting. This adapter screws into the units "inlet" and "sewer" threaded fitting to accommodate the coupling of your waste pipes and the automatic pool cleaner hose

1. Ground Level installation (Diagram 1)

The surface on which the unit is to rest must be level and self draining. Always ensure that in the case of spills during maintenance that no grey water is allowed to pool around the unit.

The GardenResQ unit is easily connected to your bathroom plumbing by utilizing standard automatic pool cleaner hoses. We do not recommend that you unit is plumbed with PVC plumbing pipe. Automatic pool cleaner hoses allow the ease of maintenance.



What you will need

- 20mm irrigation pipe of desired length (Polyprop)
- 2 x 50mm to 40mm male screw-in converter
- 2 x Lengths of automatic pool cleaner hoses.
- Weather proof exterior power point (To be installed by a qualified electrician)
- A swing check non return valve

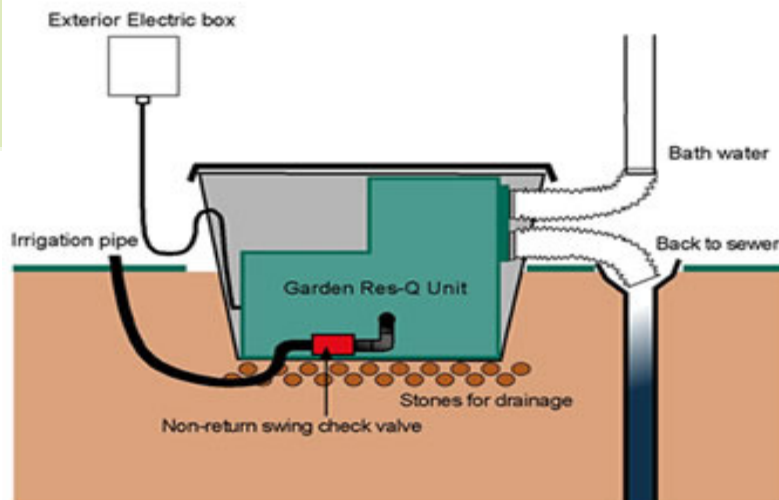
The unit must rest on a solid level surface. Ideally consisting of single layer of bricks or concrete paving slab. Please ensure that it is situated in a well-drained area where no water is allowed to collect around the unit during routine maintenance or rainfall. Have the unit installed as per diagram 1 and connect to a weatherproof external electrical point. If any electrical modifications need to be done, the modifications must be commissioned by a qualified electrician.

2. Below The Ground Level Installation (Diagram 2)

The unit must be protected from pooling water by means of a weather proof cavity or placed within a plastic utility bin. This cavity or plastic bin must be self-draining. An important point to remember is that this bin or cavity must have a weatherproof lid to ensure that water and debris entering the bin/cavity is kept to the minimum. The rectangular 100 litre plastic bin with a lid is available at most major retailers and hardware stores. Holes need to be cut in the bin to accommodate the plumbing and irrigation pipe, electrical cable and drainage holes. It is suggested that a swing-check non return valve (approx 5 cm from your unit on your irrigation pipe) be fitted to prevent water draining back into the system once the pump de-activates. Care should be taken to ensure that there are no obstructions e.g. shrubs and plants, within one metre of the unit. This will also allow for easy access to the unit when maintaining the filter.

The unit is to be installed with the automatic pool cleaner overflow pipe situated at least 20mm above the main sewage gully or trap.

Below the ground installation



**Black plastic box
from most hardware stores**

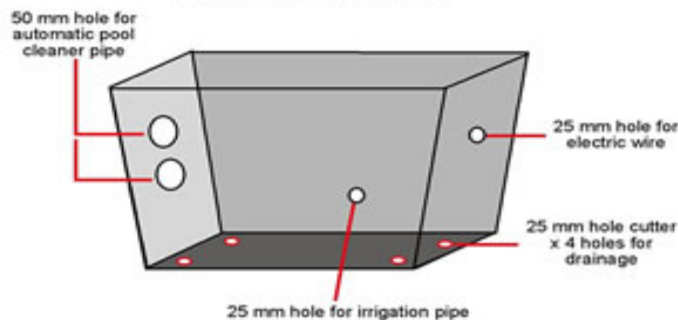


Diagram 2

What you will need

- A 50 mm hole cutter (for automatic pool cleaner hose)
- A 25 mm hole cutter (for irrigation pipe)
- 10mm drill bit (for electrical cable and drainage holes)
- A swing check non-return valve
- A power drill
- 20mm irrigation pipe of desired length (Polyprop)
- 2 x automatic pool cleaner hoses.
- Weather proof exterior power point (To be installed by a qualified electrician)

Dig a suitable hole in a location as close to the bathroom exterior plumbing as possible. The hole must be to the required depth to accommodate the plastic bin and the connection to the exterior bathroom plumbing. Allow additional space below the sunken bin for drainage material. Place builders concrete stone in at least a 5 cm layer at the bottom of the hole to allow for drainage. Drill all the appropriate holes into the bin. Don't forget to drill a few 10mm drainage holes in the bottom of the bin to allow water to drain from the bin. Place the bin into the hole, on top of the drainage material. Please ensure a good fit with at least a 5 cm spacing all around the bin. Place the GardenResQ unit into the bin and connect the plumbing and irrigation pipes. Once you are comfortable with the fit of the unit in the bin the hoses may be fitted into the unit, electrical connection established and irrigation pipe connected. The spacing around the bin may now be filled with builder's stone or sand.

Please ensure that the unit is situated in a well-drained area where no water is allowed to collect around the unit during routine maintenance or rainfall. Have the unit installed as per diagram 2 and connect to a weatherproof external electrical point. If any electrical modifications need to be done, the modifications must be commissioned by a qualified electrician.

You will note that the unit will activated approx 60 seconds after the unit has been connected to the electrical power. This is a self test procedure as well as the activation of the internal clock. The unit will provide a purge every day at this time. Please remember that the unit will switch on automatically at this time every day for 5 seconds. This is normal operation for the purge facility

PLEASE DISCONNECT YOUR UNIT FROM THE POWER SUPPLY SHOULD YOU NOT BE AT HOME FOR ANY LENGTH OF TIME. BY DISCONNECTING FROM THE POWER SUPPLY YOU AVOID THE UNIT ACTIVATING EVERY 24 HOURS. ACTIVATION OF THE UNITS AUTOMATIC PURGE FACILITY EVERY 24 HOURS WHILST THERE IS NO WATER WILL DAMAGE YOUR PUMP OVER TIME.

PLEASE REFER TO THE OPERATIONAL GUIDE LINES AND WARRANTY DOCUMENT FOUND ON www.gardenresq.co.za FOR ADDITIONAL IMPORTANT INFORMATION