



AQUARIUS

Installation Guide

Above Ground Units
Garden Handy & Pro

We are delighted that you have chosen one of our Aquarius Rainwater Harvesting systems. We strongly suggest that you read this leaflet very carefully to ensure that you install your system in the correct way, this will ensure you get the most from your system.

Who is going to install your product ?

As with all site work the dangers of working with water and electricity pose severe threats. So please ensure great care and the necessary precautions are taken when installing your Aquarius system. We recommend that below ground systems in particular are installed by competent tradesman with the necessary experience in ground works, plumbing and electrical work.

Although we do not do any installation work as a company , we can advise you of competent installers in your area to carry out installation and potential future service agreements.

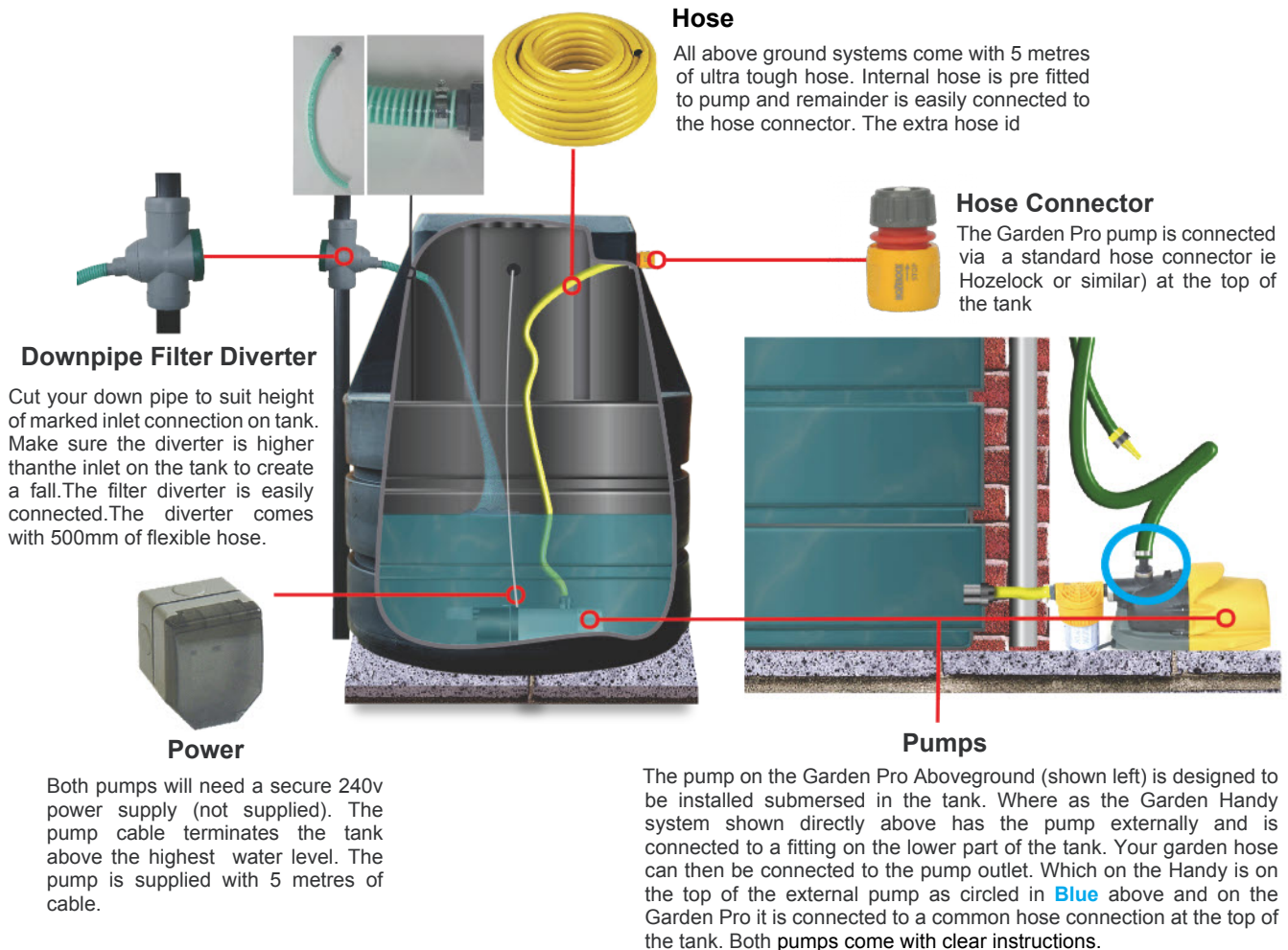
If you do chose to install the product yourself. Please follow the instructions very carefully in this manual . Failure to use these prescribed instructions may lead to incorrect installation that may invalidate your warranty.

If you are any doubt about installation please contact our technical department on 0191 5000015

Handling

- Your (unit/unit's) will be delivered adjacent to the nearest hard standing area at which point you or the contractor must take responsibility for offloading. Care must be taken to check that the units and any parts have not been damaged during or after delivery . Please report any visible damages immediately.
- Care must be taken when offloading your system as pumps and other equipment is fitted.
- Ensure that you are familiar with the safe working areas and accesses and that the working area is adequately lit.
- We recommend the use of slings or lifting straps and **not** chains or wire ropes which may damage the unit.
Please Note : Lifting eye inserts moulded into the unit are not tested so we recommend delivered units should be lifted off the delivery vehicle from under the base. When manoeuvring the products ensure that you keep the correct posture particularly if lifting.
- **Please do not use the connecting pipes to sling when lifting the unit.** Rainwater may collect inside the unit particularly if they have been stored on site prior to installation, adding weight and increasing instability. Units should be inspected before lifting. It may be necessary to remove any excess water.
- The tank is manufactured from High Density Polyethylene, so it is very robust, however care should be taken in storage and movement of the unit on site, ensure that the storage location surface is free of sharp objects which may damage the walls or base of the unit. The tank should not be lifted by the inlet or outlet pipes or dragged across hard, uneven or rough terrain. Do not use pinch bars or sharp objects as leverage.
- Throughout the installation please ensure that the tank is not subjected to impact or contact with sharp edges, particularly the base.





Hose

All above ground systems come with 5 metres of ultra tough hose. Internal hose is pre fitted to pump and remainder is easily connected to the hose connector. The extra hose is

Hose Connector

The Garden Pro pump is connected via a standard hose connector ie Hozelock or similar) at the top of the tank

Downpipe Filter Diverter

Cut your down pipe to suit height of marked inlet connection on tank. Make sure the diverter is higher than the inlet on the tank to create a fall. The filter diverter is easily connected. The diverter comes with 500mm of flexible hose.

Power

Both pumps will need a secure 240v power supply (not supplied). The pump cable terminates at the tank above the highest water level. The pump is supplied with 5 metres of cable.

Pumps

The pump on the Garden Pro Aboveground (shown left) is designed to be installed submersed in the tank. Where as the Garden Handy system shown directly above has the pump externally and is connected to a fitting on the lower part of the tank. Your garden hose can then be connected to the pump outlet. Which on the Handy is on the top of the external pump as circled in Blue above and on the Garden Pro it is connected to a common hose connection at the top of the tank. Both pumps come with clear instructions.

- **Please read the instructions below carefully before you install your Aquarius System**
- Your Aquarius Above Ground System will be delivered to site with all internal fittings connected and a lock down cover
- With the Garden Handy range the pump will be in a separate box with the necessary connections attached.
- Garden Pro systems will have the pump connected to the top connection marked hose outlet. The pump will be taped down and will need to be released. By using the lifting chain, pull firmly and release pump from securing tape. Then lift out the pump and remove tape. Drop the pump back into the base ensuring it is level.

Warning : Please take care when offloading and siting the tank not to dislodge the pump from its connections.

STEP 1 (HANDY & PRO) Decide on the site for your tank which must be installed on a solid and level base. We recommend either a minimum 100mm concrete plinth or paviors laid onto concrete . The tank should be located as close to your chosen downpipe as possible, within 500mm, which is the extent of the filter pipe connection.

STEP 2 Ensure there is a secure 240v power supply nearby. The pump power cable terminates at high level and should be connected to your power supply by a qualified electrician or contractor.

STEP 3 (HANDY & PRO) Cut downpipe as per instructions and connect the downpipe filter diverter .

STEP 4 (HANDY & PRO) Check the pump operation and power. To do this either allow the tank to fill with rainwater normally from the downpipe connection or fill the tank with mains water . Ensure that the water level is at least 200mm above the pump and then switch on at the mains.

STEP 5 The pump will then self prime and will be ready for use. It can then be connected to drip watering systems, guns & sprinklers. These pumps provide a much higher pressure than the average UK tap pressure, although actual performance does depend on the length and diameter of the watering hose that you use. We recommend a maximum length of 50m from the tank.

If in doubt about any part of your installation. Do not hesitate to contact us on the number below.



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