



## Owners Manual Rootzone G700



Congratulations on being a leader in the field of environmentally friendly waste water treatment and reuse. Your choice of a Rootzone greywater treatment system will contribute to the reduction of greenhouse gas emissions because your system is essentially a very low energy low maintenance treatment device that is simple “set and forget technology”.

However, there are some dos and don'ts which are applicable. Remember that this is a biological treatment that relies on billions of beneficial bacteria to feast on your waste water and cleanse it. So please keep to an absolute minimum the use of harsh bleaches and chemicals in your showers and washing machines and give the bacteria every chance to do their job.

Next, remember that the treated effluent is being used in your garden and in the long run there are some chemicals used in your home that are potentially detrimental to your garden and we refer here principally to sodium and phosphorus which are present in significant quantities in your washing machine and dishwasher powders etc. So, please use low sodium and phosphorus detergents (the concentrations of these can be found on the container).

A very good article on the relative quantities of both these chemicals in washing powders and liquids is available at [www.lanfaxlabs.com.au/publications](http://www.lanfaxlabs.com.au/publications).

Your system has a guaranteed life of 15 years with minimal maintenance requirements and you are not required to nor should you attempt to alter any of the settings on either the treatment or (if fitted) disinfection units.

The only householder maintenance that you could carry out is to remove weeds from the reed bed. Once the reeds are well established the weeds do not really stand a chance. **Remember that the effluent is not disinfected at this stage so wear waterproof gloves and wash properly afterwards.** Please do not walk on the top of the bed while you do this as compaction is not good for the water flows. It is quite normal for the reeds to go dormant in winter and if you wish you can cut them back then but certainly not for the first two growing seasons.

Your installer will make four visits in the first year after installation and one/year after that. At the annual inspection he will check the health of the system. He will also carry out checks on the U/V disinfection (if fitted) and change the lamps.

A condition of installation and provision of the treatment unit is that only Rootzone trained personnel are allowed to alter settings and maintain the U/V units.

### **Alarms:**

The main alarm system is that attributable to the U/V disinfection unit. It is an audible alarm and is capable of being turned off. If this occurs then note the message on the panel

and call your Rootzone maintenance man. The system is friendly to failures and has adequate cover inbuilt to keep running for at least 24hrs until the problem has been fixed.

If your site is very level there may be a high level alarm to indicate pump failure but as in the above case immediate attention is not required as you have 24 hrs to get the problem fixed.