



ANTHONY PRESTON LIMITED

MATALA GREYWATER DIVERSION DEVICE

Product Description and FAQ,s

Finally the answer for grey water re-use in New Zealand. Anyone who is building, renovating or trying to improve the environment by reusing their waste water should take a look at the Matala GWDD.

With its unique grey water filtration system and water detecting pump the Matala GWDD can turn your waste water into a valuable usable resource with ease. Imagine how good your garden could look ALL year round with this fabulous system.

Installed with a Drip Irrigation system the Matala is the grey water reuse solution.

State of the Art Progressive 4 Stage Filtration.

Matala filter Media provides 10m² of surface area for long service intervals.

Level detecting submersible pump: checks water level every 3 - 4 minutes.

No probes, no floats, no internal timers means no hassles for plumbers and end users.

Built in dry run pump protection, preventing clogging and damage to the pump.

Built in overflow safety

Easy to clean

System can be installed either above ground, half-submerged in ground, or under ground in an enclosure with inspection cover

Australian Water mark approved.

What is a Matala GWDD?

The Matala GWDD is the most advanced Grey Water Diversion Device available. It is designed to help you reuse your waste water from your laundry, bath and shower.

How does it work?

It simply diverts grey water from your waste pipe and then filters the water as it passes through the Filter mats. Then the level detecting pump pumps the water into your irrigation system. This all happens automatically.

What can I connect my unit to?

The Matala GWDD is designed to connect to the discharge pipe from the laundry, shower and bath.

What do I need before I connect my unit?

You will need a 240 volt power outlet.

And you need to be able to access your waste plumbing pipes (50mm.)

Why can't I connect my sink in the kitchen?

It is not advisable to try to reuse sink water. This water may contain many nutrients, food particles, oil and harsh detergents all are not suitable for reuse. Sink water is considered to be Black Water and should go to waste.

Is it an Approved Grey Water Device.

Yes it has the Australian Water Mark for a Pumped system and a Gravity system. And is approved by EPA in NSW, Queensland, Victoria, Northern Territory, Western Australia, South Australia, and ACT.

Why is the Matala GWDD different to other Grey Water Diversion Devices?

The New MATALA GWDD is a designed to be the most efficient and advanced Grey Water Diversion Device available on the market. It is solely aimed at the professional licensed installer, to make it easy and simple to disperse the waste water through a sub surface drip system. This is so we can make full use of the waste water from the shower, laundry and bath.

The concept was to build a compact economical unit that exceeded the performance of currently available products.

First of all by having the lowest residual water level possible. And secondly by filtering the waste water to make it suitable for drip irrigation application in one compact unit.

What is the guarantee?

All parts and the pump are covered by a 12 month replacement warranty. You will have to return your warranty claim at the place of purchase.

How efficient are the filters?

The Matala has over 10m² of surface ensuring the best filtration available for recycled Grey Water.

Standard type of filtration such as mesh filters are prone to blocking by the nature of what is in Grey Water. Lint is especially good at blocking single dimensional screen filters. Independent laboratory tests have shown that the Matala can remove up to 90% of suspended solids.

How often do I have to replace or clean the filters?

The filters are designed to be cleaned over and over so you don't need to replace them. Testing in the field has show that up to 60,000 litres can pass through the unit before they need cleaning. Recommended cleaning cycle depending on how many people are using the system is every 4-6 months. Dispose of waste thoughtfully and wear protective gloves when cleaning.

How is the pump in your unit different to other pumps?

The pump is different in 3 ways.

1. It has no float to turn it on and off. This eliminates the need for a large box for the float to operate. Plus floats can get stuck or stop working altogether.

2. There are no external probes on this pump.

Other manufactures have to use probes to obtain a low level of residual as required by Water authorities. Probes like clean water and aren't always reliable in Grey Water. The pump in the Matala GWDD doesn't rely on external probes as it detects water and only keeps pumping if water is available.

3. There are no external timers in the Matala GWDD. Other units have to rely on external timers to make sure any residual is pumped out within 24 hours. The Matala pump automatically turns on to see if water is available so no external timer is needed.

Why don't you use a low voltage pump?

Low voltage pumps have a limited service life and generally won't do the hours required expected in this type of installation.

Who can service the pump?

The pump can be serviced by the plumber that installed your unit.

Who do I get to install this unit?

Call your local licensed plumber.

What is the best way to disperse the Grey Water?

One of the best and easiest ways is to you a grey water drip tube.

This will be lilac in colour and have special inbuilt drippers that can handle grey water.

Each garden has different requirements. Your installer should advise you on this.

How much drip tube do I need?

The recommendation is 100 metres per person in the house. 100 metres equals 40 litres per minute.

Do I have to use a pump in this system?

If you have enough fall on your site this unit will work without a pump. The Matala GWDD is certified as a gravity greywater device.

Generally speaking you will need a minimum of 2 metres in height to effectively operate the Drip tube. So designing the system correctly to operate on gravity is critical.

Can I store the water once it has been through the Matala GWDD?

It is not advisable to store grey water from any Grey Water Diversion device for more than 24 hours unless it is further treated with UV Ozone or Chlorine.

How much water does my unit save me?

Independent tests have shown you can expect to save approx 113 litres per person per day.

How big is the surge tank of the Matala GWDD?

The total capacity of the tank is 80 litres.

Can the unit handle hot water?

Yes the pump and filters can handle water at elevated temperatures. Boiling water should not be discharged in to any Grey Water Diversion Device.

Can the unit overflow?

No the unit has an inbuilt overflow so if you accidentally leave the power switched off to your unit it will simply send the water to waste. This is a requirement of the Australian Watermark.

Can I buy spares for my unit?

Spare filters are available from your distributor as are all other parts in the unit.

Can I bury this unit?

You are able to partially bury the unit. The maximum depth is 400mm. If you need to bury the unit more than this we recommend that you install the unit inside a suitable pit. Remember that you will need to access the lid for removal and cleaning of the filters.

What are the dimensions?

Length 590mm, Width 370mm, Height 500mm

Does this unit break down in the sun?

No it is made of UV resistant High Grade Poly Ethylene.