save money save water

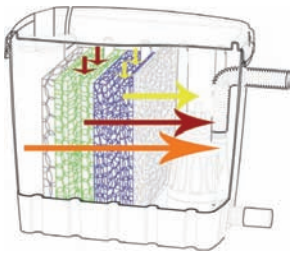
WaterMate
A REFRESHING APPROACH TO GARDEN IRRIGATION

Turn your grey into Green

Greywater diversion device

With washable and replaceable filters

Cross-flow depth filtration and multichamber plug flow concept



How it works:

Step 1. When the valve is open, greywater flows directly to the mains sewage or septic tank.

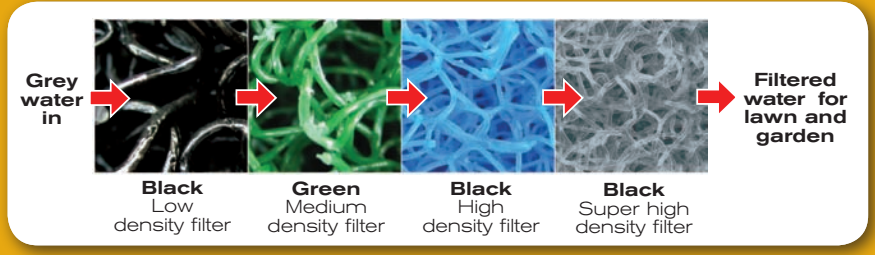
Step 2. When the valve is closed, greywater from the house is diverted to the inlet of the filter.

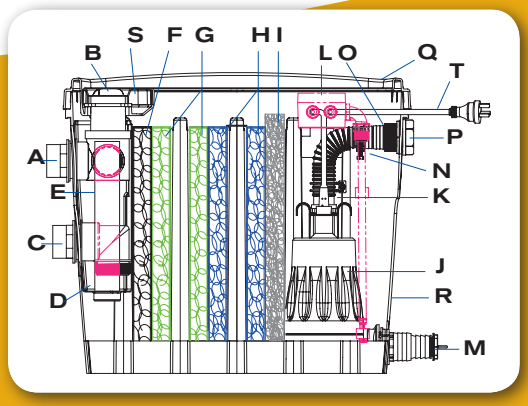
Step 3. The greywater flows through the 1st filter web that retains major and medium particles such as hair, lint, paper detergent clogs and other impurities (The filter web: Matala Black - Low density, Matala Green - Medium density).

Step 4. The greywater flows through the 2nd filter web that retains medium and small particles (The filter web: Matala Green - Medium density, Matala Blue - High density)

Step 5. The greywater flows through the 3rd filter web that retains small and minor particles (The filter web: Matala Blue - High density, Matala Gray - Super high density)

Step 6. Filtered greywater is pumped to the irrigation.





A. Inlet (2")
B. Diverting valve
C. Outlet to sewer (2")
D. Basket
E. Overflow stand pipe
F. Matala FSM190 Black
G. Matala FSM290 Green
H. Matala FSM365 Blue
I. Matala FSM460 Grey
J. Water pump
K. Pump outlet
L. Electronic pump controller
M. Drain/Cleanout point with 1" plug
N. Kink-free hose and hose clamp
O. Outlet Connector
P. Outlet
Q. Tank Cover
R. Tank
S. Inlet cover
T. Electrical pump lead

Technology proven in more than 40 countries

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Features & benefits

- 30 litres (6.8 gallons) of Matala filter media provides 10m² (108ft²) of specific surface area and 90% void space
- Cross-Flow depth filtration: each filter web has a 3-dimensional structure, able to trap a high volume of impurities without plugging
- Multi-chamber plug flow concept: If the first filter web gets clogged the filtration is done by the 2nd and 3rd filter web. If the 2nd web gets clogged, the filtration is done by the 3rd filter web
- Solid removal: up to 75% for pump operated unit, 90% for gravity unit
- Submersible pump with integrated Electronic Pump Controller (EPC)
- The pump is protected from dry run, clogging and damage with built in overflow safety
- Easy to clean
- System can be installed above ground, half-submerged in ground, or underground
- Water mark approved.

How much water can we reuse?

Use	Residential Water Usage (Single Household)	Reuse
	Litres/person/day	
Showers	90	☑
Washing Machine	22	☑
Toilet	38	☒
Washbasins/Kitchen	30	☒
Total	180	

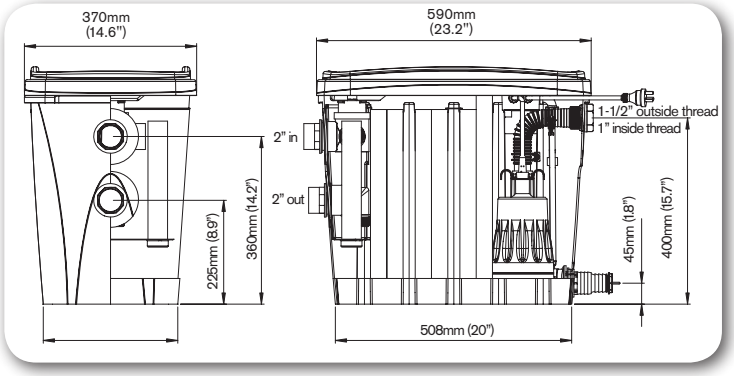
Shower waste 90 litres
Washing machine 22 litres

Potential water reuse 112 litres/person/day
40,880 litres/person/year

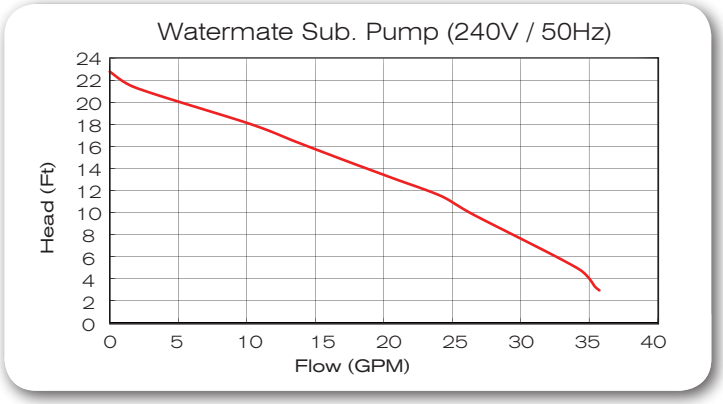
Proportion of in-house usage available for re-use

Data source: On-Site NewZ Table A-4

WaterMate dimensions



WaterMate pump performance curve

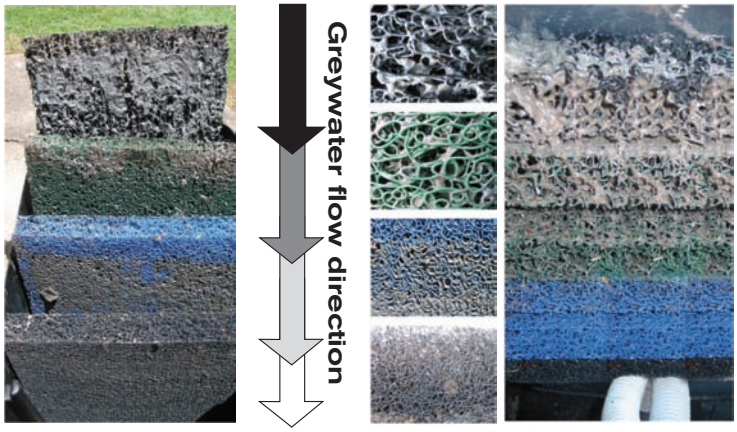


WaterMate pump specifications

Output			Rated		Maximum		Dimension	Weight
HP	W	mm	Head (m)	Flow (l/m)	Head (m)	Flow (l/m)	LxWxH (mm)	Kg
1/4	200	25-32	5	53	7	136	155x155x240	4.2

Unit tested in a caravan park, Australia

Matala greywater diverter checked after filtering 40,000L (10,567 gallons) incoming greywater: public shower rooms and laundry.



The pictures prove the high filtration efficiency achieved with progressive density Matala filter sheets. The filter can take up a huge volume of hair, lint, sand, soap, residues etc.