Aqua2use

"The Answer for Greywater Reuse"

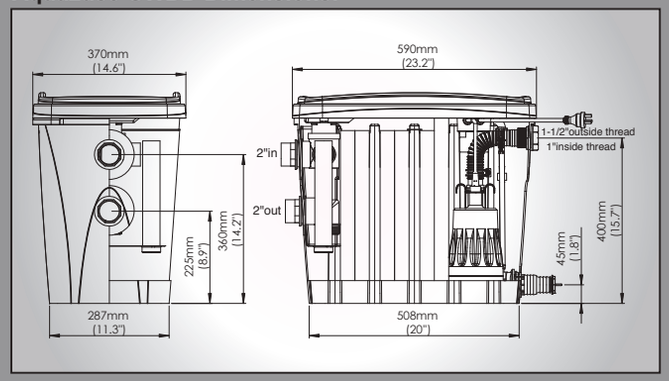
A Potential Water Reuse of 40,000 gallons annually for an average family of four

Matala®
"Make water alive"

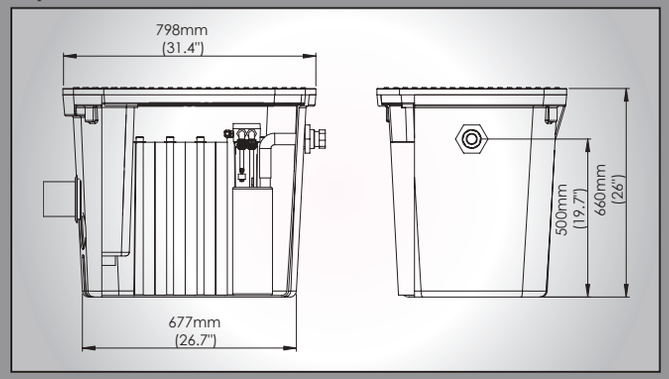
Sustainable Living

Aqua2use Greywater Diversion Devise

Aqua2use GWDD Dimensions:



Aqua2use GWDD UG Dimensions:

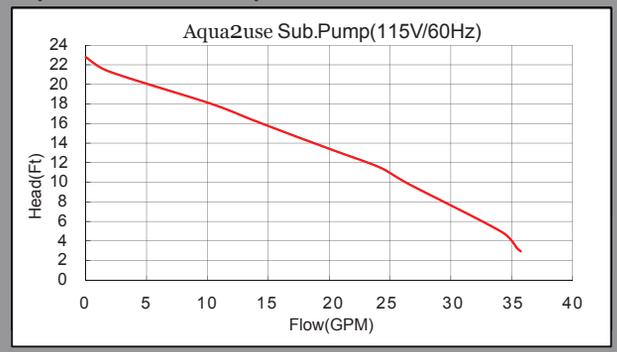


*Designed to increase capacity and to fulfill the regulations for underground installation.
*The above specifications are subject to change without prior notice.

Use	Residential Water Usage (Single Household)	
	Gal./house/day	Gal./person/day
Showers	46.4	11.6
Clothes Washers	60	15
Baths	4.8	1.2
Sub-total Graywater	111.2	27.8
Toilets	74	18.5
Dishwashers	4	1
Other Domestic Uses	6.4	1.6
Leaks	38	9.5
Faucets	43.6	10.9
Total in-house	277.2	69.3

Data source : American Water Works Association Research Foundation
"Residential End Uses of Water", 1999

Aqua2use GWDD Pump Performance Curve



Aqua2use GWDD Pump Specifications

Output			Rated		Maximum		Dimension	Weight
HP	W	inch	Head (Ft)	Flow (GPM)	Head (Ft)	Flow (GPM)	LxWxH (in)	Pound
1/4	200	1-1/4"	16	14	23	36	6.1x6.1x9.45	9.26

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Innovated & Manufactured by

Matala®
"Make water alive"

MATALA WATER TECHNOLOGY CO., LTD.
http://www.matala.com.tw

DISTRIBUTED BY

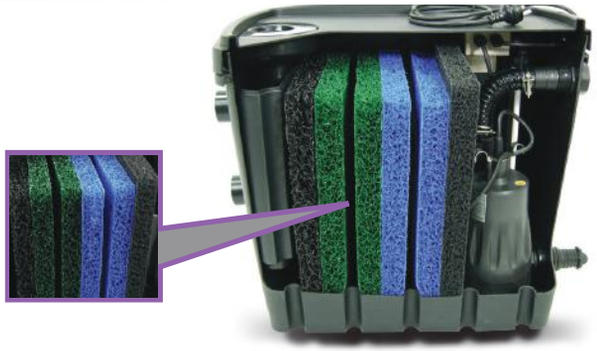
ATS5200.460-GWDD
CN: WMK 30004

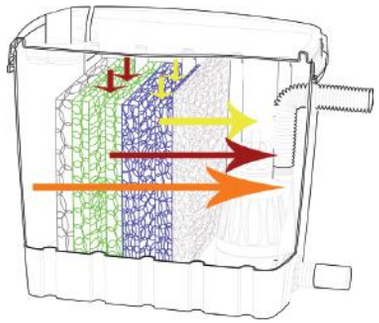
PATENTED

Matala® 3D Progressive Filtration :
Technology Proved in more than 40 countries

Matala Progressive Filtration Technology applied in Greywater Diverter :

Cross-Flow depth filtration + Multichamber plug flow concept

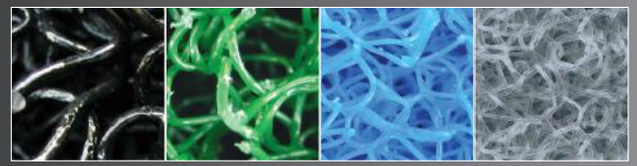




How it works:

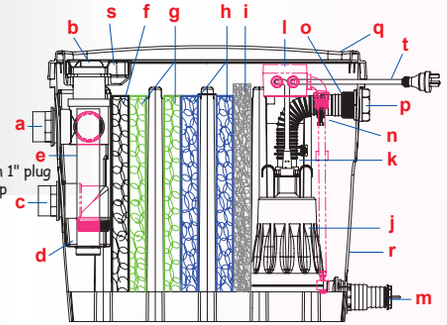
- **Step 1 :** When the Matala GWD valve is open, grey-water flows direct to the mains sewage
- **Step 2 :** When the Matala GWD valve is closed, grey-water from the house is diverted to the inlet of the filter.
- **Step 3 :** The greywater flows through the 1st filter web that retains major + medium 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 + 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 + minor particles (The filter web: Matala Blue-high density, Matala Grey- Super high density)
- **Step 6 :** Filtered greywater is pumped to the irrigation

Greywater IN



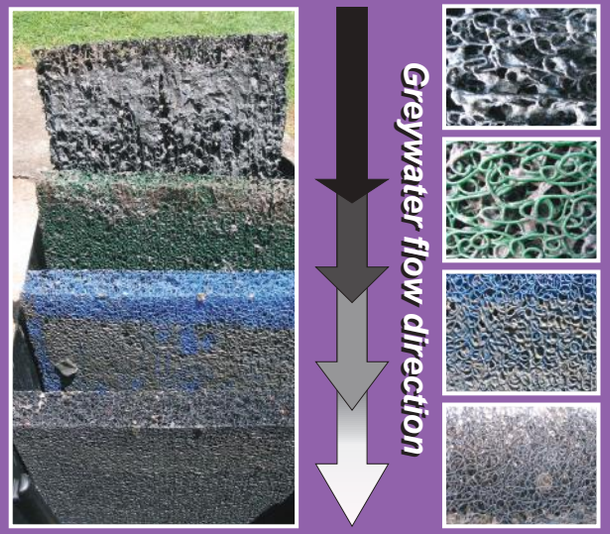
Filtered water for Lawn & garden

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/clean out point with 1" plug
n. kinkfree hose + hose clamp
o. outlet connector
p. outlet
q. tank cover
r. tank
s. inlet cover
t. electrical pump lead



Unit tested in a Caravan park, Australia:
Matala greywater diverter checked after filtering 40,000L 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 residus etc….



Features & Benefits:

- ***State of the Art Progressive Filtration.***
- ***Includes high volume of Matala filter media (Aqua2use GWDD : 30 liters/6.8 gallons. GWDD UG : 60 liters/13.6 gallons)***
- ***Cross-Flow depth filtration: each filter web has a 3-dimensional structure, able to trap a high volume of impurities without plugging.***
- ***Multichamber plug flow concept: If the first filter web gets clogged the filtration is done by the 2nd and 3rd filter web. If the second web gets clogged, the filtration is done by the 3rd filter web.***
- ***Solid removal: up to 75% for pump opearted unit, 90% for gravity unit.***
- ***Submersible pump with integrated Electronic Pump Controller(EPC).***
- ***The pump is protected from dry run, clogging and damage.***
- ***Built in overflow safety.***
- ***Easy to clean***
- ***System can be installed above ground, half-submerged in ground, or underground.***
- ***Water mark approved.***