

Aqua2use GWDD Filtration Test results in caravan park, Qld, Australia

> Step 1 Collect

The Aqua2use GWDD diverts water from the laundry, bath and shower



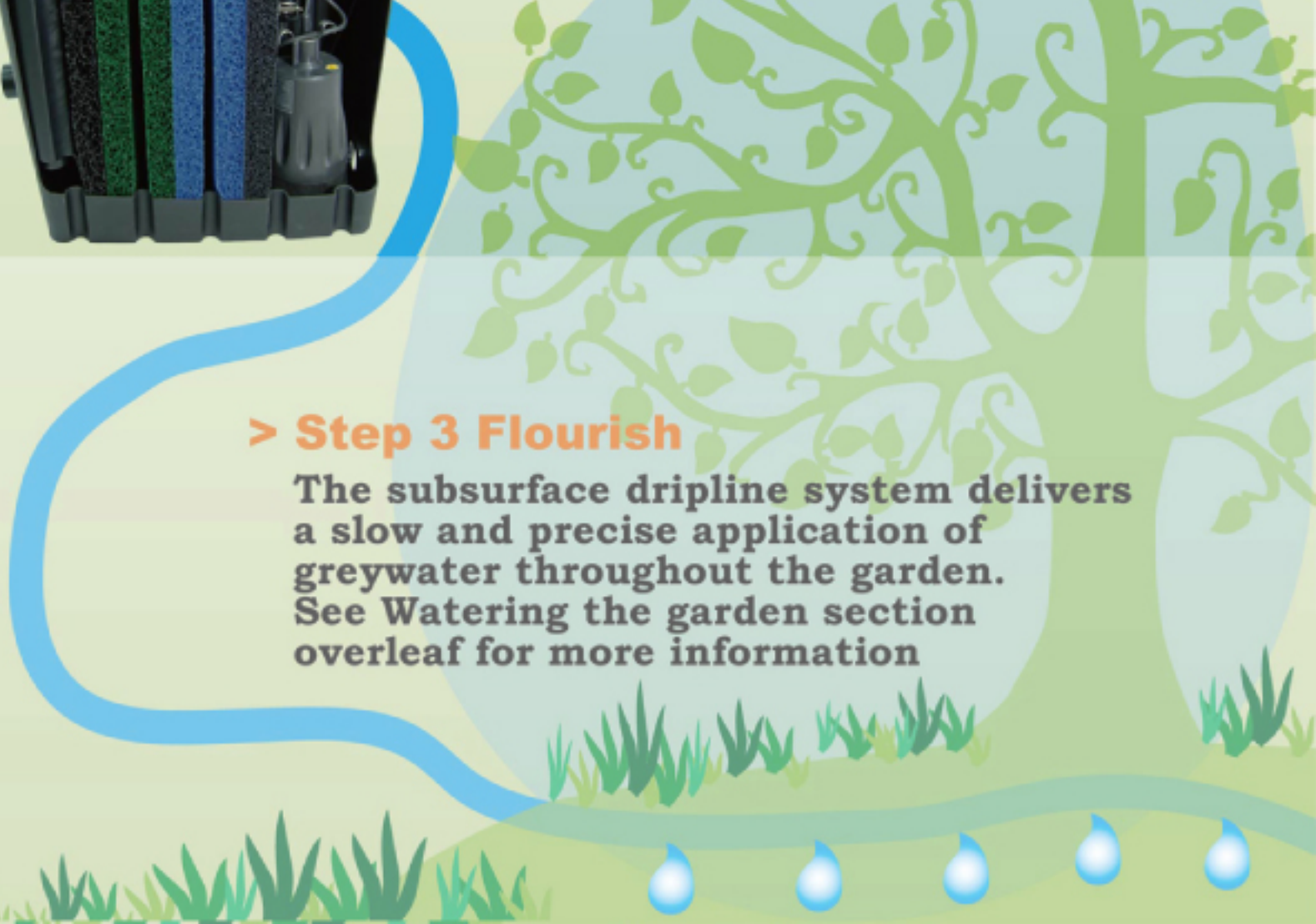
> Step 2 Filter

Aqua2use GWDD's state of art filter mats offer the best filtration available for grey water



> Step 3 Flourish

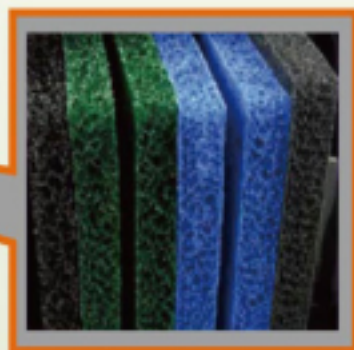
The subsurface dripline system delivers a slow and precise application of greywater throughout the garden. See Watering the garden section overleaf for more information



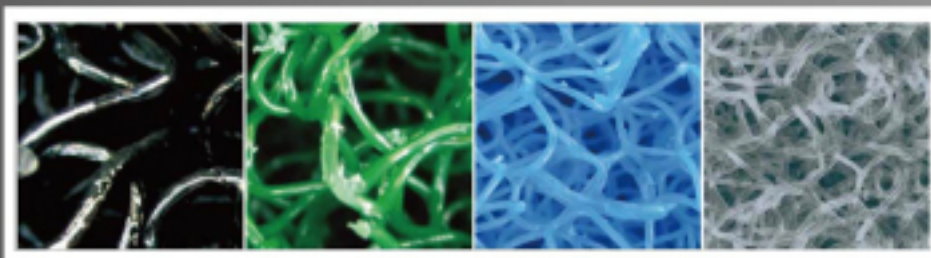
Matala 3D Progressive Filtration : Technology Proved in more than 40 countries



Solid removal : up to 75% for pump operated unit, 90% for gravity unit



Greywater
IN

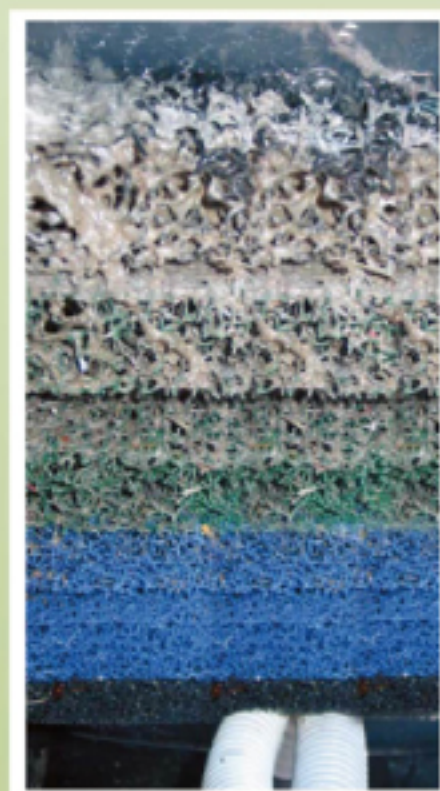
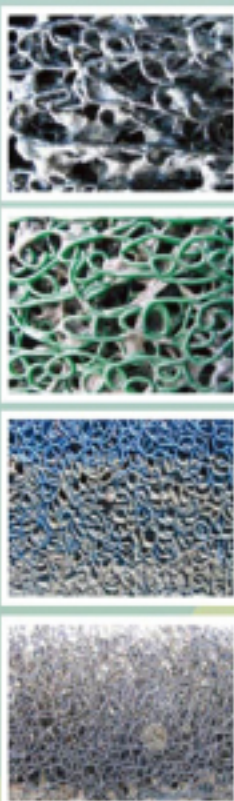
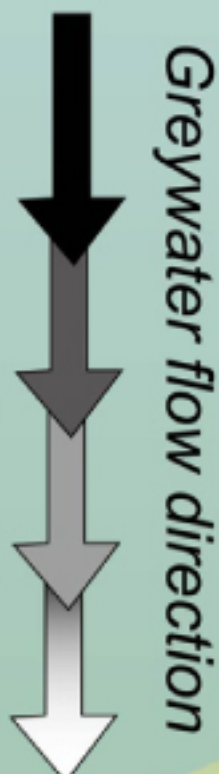


Filtered water
for Lawn &
garden

Unit tested in a Trailer Park, Australia:

Matala greywater diverter checked after filtering 40,000L (10,567gallons)
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 ect.....



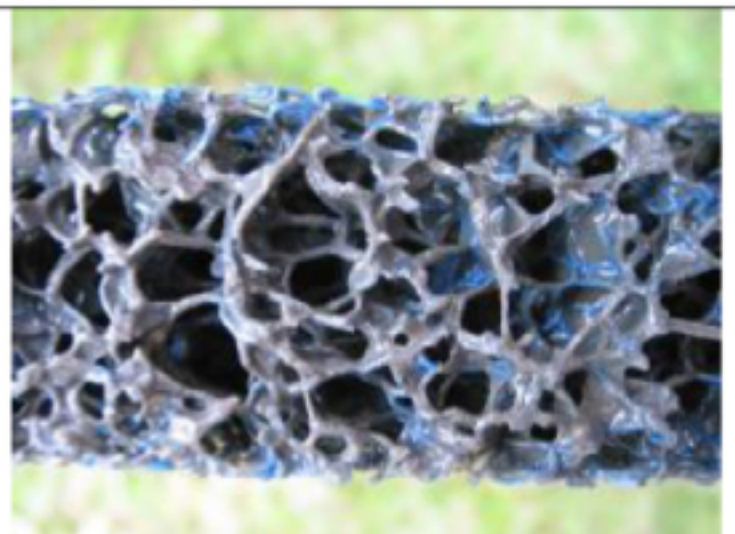
Close up pictures on the detail of Matala filter mats



Black Matala FSM190



Green Matala FSM290



Blue Matala FSM365

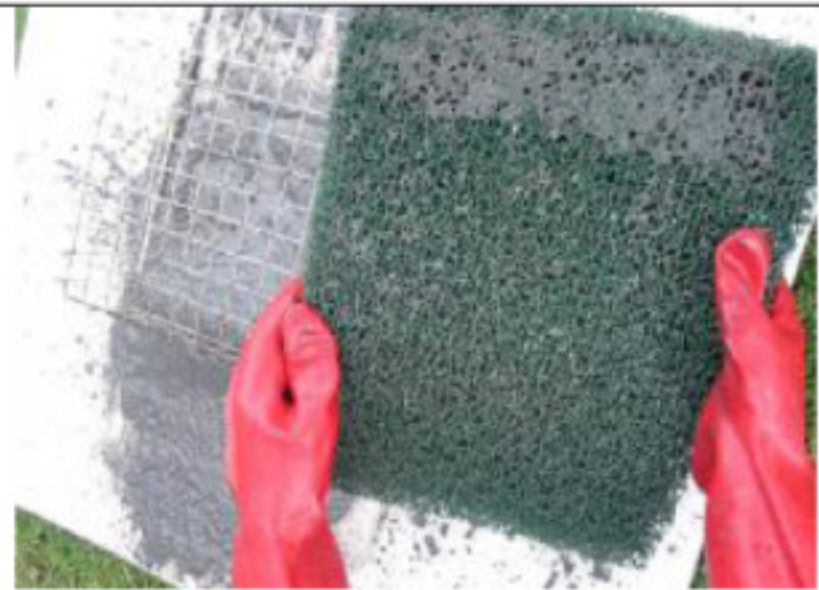
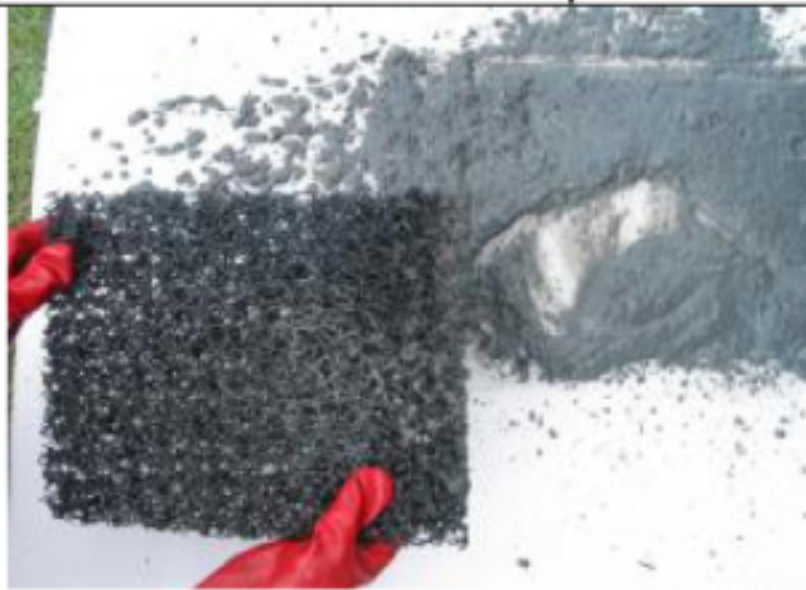


Grey Matala FSM460

above pictures show Matala filter sheets removed from system after 40,000litres of greywater flow through



Macro picture of Black Matala FSM190



90% of the sludge will immediately come out when tapping the wet mats

See the sludge chemical analysis in the next page

Aqua2use

"The Answer for Greywater Reuse"

Effluent Average Test Results :

CHEMICAL TEST REPORT

	Biosteps filter (prefilter)		Flow Rate : 300 l/hr SS removal rate : 90%			
Analyte	influent	Effluent	Units	Test Method	Error Assessment	Detection Limit
BOD	248	124	mg/L	TM02	± 8%	3
COD	771	269	mg/L			
SS	473	47	mg/L	TM12	± 5%	2

CHEMICAL TEST REPORT

	Matala effluent filter (prefilter)		Flow Rate : 1380 l/hr SS removal rate : 75%			
Analyte	Influent	Effluent	Units	Test Method	Error Assessment	Detection Limit
SS	680	171	mg/L	TM12	± 5%	2

Sludge Analysis : (9.6 kgs of wet sludge was collected from the filter pads after 40,000 lts had flown through the device)

CHEMICAL TEST REPORT (SLUDGE)

Analyte	Sludge	Units	Test Method	Error	Detection Limit
Ammonia N	26.7	mg/L	TM22F	± 4%	0.02
BOD	15060	mg/L	TM02	± 8%	3
Soluble BOD	1590	mg/L	TM02	± 8%	3
COD	26900	mg/L			
Soluble COD	1800	mg/L			
NOx	0.02	mg/L	TM23F	± 8%	0.02
Organic N	779.1	mg/L	TM25F	± 15%	0.5
VSS	45.2	%	TM12	± 5%	2
SS	38750	mg/L	TM12	± 5%	2
TKN	805.8	mg/L	TM25A	± 10%	0.5
Total N	805.8	mg/L	TM25F	± 15%	0.5
TKP	197.60	mg/L	TM16TKP	± 7%	2.00