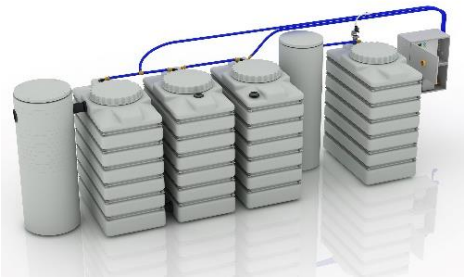
Datasheet

GreenLife

GreenLife's greywater recycling plants treat lightly contaminated wastewater from personal hygiene (shower, bathtub, hand basin). The entire recycling process consists of sedimentation of the suspended solids, biological treatment and ultrafiltration (MBR membrane bioreactor). The membrane filter technology used ensures complete separation of the biomass from the purified grey water. The clear water is free of solids, bacteria and germs with a guaranteed retention rate of 99.99%.

The result is clear, germ-free service water that is stored in the service water tank and can be used for toilets, washing machines, cleaning purposes, garden irrigation and/or industrial applications. The quality of the service water meets the requirements of the European Bathing Water Directives 76/160/EEC and 2006/7/EC as well as DIN 19650, Class 2.



technical data

typ	
designation	GWI 2.3 – 2.000
item number	G0002396
production guideline	DIN EN 16941-2, DIN EN 1717
capacity	
filtration capacity	2.000 l/day
volumen sedimentation	500 l
volumen aeration	2.000 l
volumen filtration	1.350 l
volumen service water	1.000 l
connections	
mains water back-up (optional, larger possible)	DN13 / 3/4" solenoid drain valve
service water	1 1/4“
inlet greywater	DN110
overflow into the sewage system	DN110
electric main supply	
voltage	230 V / 50 Hz
rated power	782 W
rated current	3,6 A
fuse / overload protection	on site
weight, dimensions, color	
empty weight	507 kg
max. total weight in operation	5.357 kg
color of the tanks	light grey
sedimentation tank	Ø = 650 mm, h = 1.670 mm
aeration tank	l = 1.240 mm, b = 720 mm, h = 1.550 mm
filtration tank	l = 1.240 mm, b = 720 mm, h = 1.550 mm
filtrate shaft	Ø = 550 mm, h = 1.695 mm
service water tank	l = 1.240 mm, b = 720 mm, h = 1.550 mm