

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	GW1 45.2 – 45.000
item number	G0007031
production guideline	DIN EN 16941-2, DIN EN 1717
Capacity	
filtration capacity	45,000 l/day
volume sedimentation	8,000 l
volume aeration	28,000 l
volume filtration	16,000 l
volume filtrate shaft	700 l
volume service water	16,000 l
connections	
mains water back-up (optional, larger possible)	DN25 / 1" solenoid drain valve
service water	1 1/4"
inlet greywater	DN160
overflow into the sewage system	DN160
electric main supply	
voltage	230 V / 50 Hz
rated power	7,200 W
rated current	
fuse / overload protection	on site
weight, dimensions, color	
empty weight	5,730 kg
max. total weight in operation	74,430 kg
color of the tanks	light grey
sedimentation tank	l = 2430 mm, b = 1000 mm, h = 1975 mm
aeration tank	l = 2430 mm, b = 1000 mm, h = 1975 mm
filtration tank	l = 2430 mm, b = 1000 mm, h = 1975 mm
filtrate shaft	Ø = 550 mm, h = 1695 mm
service water tank	l = 2430 mm, b = 1000 mm, h = 1975 mm