

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 35.2 – 35.000 |
| item number | G0007029 |
| production guideline | DIN EN 16941-2, DIN EN 1717 |
| capacity | |
| filtration capacity | 35,000 l/day |
| volume sedimentation | 8,000 l |
| volume aeration | 24,000 l |
| volume filtration | 12,000 l |
| volume filtrate shaft | 700 l |
| volume service water | 12,000 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 | 5,600 W |
| rated current | |
| fuse / overload protection | on site |
| weight, dimensions, color | |
| empty weight | 4,770 kg |
| max. total weight in operation | 61,470 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 |