

Grauwasser Recycling System, 10.000 l/d

Greywater Recycling System, 10.000 l/d



GWI 10.2-10.000, indoor

Technisches Datenblatt / technical data

Kapazität		capacity
Gesamtvolumen Stufe 1	4.000 l	total volume stage 1
Gesamtvolumen Stufe 2	8.000 l	total volume stage 2
Gesamtvolumen Stufe 3	4.000 l	total volume stage 3
Gesamtvolumen Stufe 4	4.000 l	total volume stage 4
Tagesfiltrationsleistung	10.000 l	daily filtration capacity
DEA, empfohlen Doppelpumpenanlage	nicht im Lieferumfang / not included in delivery	twin pump station recommended

Anschlüsse		connections
Trinkwasser-Nachspeisung	optional	potable water back-up
Betriebswasser	optional	service water
Zulauf in die Anlage	DN 110 / 160	input to unit
Überlauf in Kanalisation	DN 110 / 160	overflow to sewage

Aufstellraum muss ausreichend belüftet und mit Bodenablauf versehen sein.

Working room needs to be air-ventilated, floor drain necessary.

Steuerung		control unit
Zeitintervalle für Belebung, Filtration vorprogrammiert*	inklusive Fernsteuerung / including remote control	time interval for aeration, filtration pre-programmed*
Abmessungen (B x H x T)	800 x 1.550 x 350 mm	measurements (W x H x D)
* Anpassung bedarfsseitig möglich		* possible adjustment according demand

Trinkwassernachspeisung		main water supply
Magnetablaufventil 1" (optional, größer möglich)		solenoid valve 1" (optional, bigger sizes available)

Netzanschluss		electric main supply
Spannung	230 V / 50 Hz	voltage
Absicherung	bauseitig / by customer	fuse

Gewicht, Maße, Farbe		weight, measurements, colour
Leergewicht, Anlage	1.915 kg	weight empty
max. Gesamtgewicht im Betrieb	21.915 kg	unit working (max. weight)
Tank Sedimentation	L 2.430, B/W 985, H 1.975 mm	sedimentation tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 4.000 l	volume
Zulauf Grauwasser	1.750 mm	greywater inflow
Überlauf Grauwasser	1.750 mm	greywater overflow
Tank Belebung Grauwasser	L 2.430, B/W 985, H 1.975 mm	aeration tank greywater
Farbe	lichtgrau / light grey	colour
Volumen	2x 4.000 l	volume
Tank Filtration	L 2.430, B/W 985, H 1.975 mm	filtration tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 4.000 l	volume
Tank Klarwasser	L 2.430, B/W 985, H 1.975 mm	clearwater tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 4.000 l	volume
Trinkwassernachspeisung	optional	drinking water feed
Betriebswasseranschluss	optional	service water connection

www.greenlife.de

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The **GreenLife greywater-recycling-system GWI 10.2-10.000** has a daily greywater filtration capacity of up to 10.000 liters.

The **greywater-recycling-systems of GreenLife** are configured for the treatment of greywater, i.e. low polluted waste water from personal hygiene (shower, bath tub, hand washbasin). The applied BioMembranefilter-technology assures the complete separation of the biomass from the cleaned greywater. The clearwater is free from solids and a complete blocking of bacteria and germs, with a blocking rate of 99,9999%, guaranteed. The total recycling process is composed of the biological treatment, the ultrafiltration (MBR-Membrane bio-reactor) and will be stored after it in the clearwater tank. The result is clear germ free service water (non-potable) available for reuse in WC's, cleaning purposes, garden irrigation and/or industrial applications!

results:

The quality of the service water (non-potable) fulfills the requirements of the European (EU) guidelines for bathing water 76/160/EEC and 2006/7/EC and DIN 19650, class 2.

consisting of:

- 1 sedimentation / separation tank** incl.:
greywater inflow, -outlet into aeration incl. dip pipe, overflow to the sewage, discharge valve
- 2 aeration tanks greywater** incl.:
inflow, aeration, air lifter into filtration tank, discharge, floating switch, pre-assembled
- 3 filtration tank** incl.:
greywater inflow, membrane filter and filtrate box, filtrate pump, negative buoyancy, cable and hose bushings,
- 4 service water tank** incl.:
filtrate access, connection drinking water feed unit (optional), connection twin pump station (optional)
- 5 control unit** incl.:
stainless steel bracket, aeration pump, Siemens-logic module, cable and connecting plug (completely programmed and pre-assembled),

