

Grauwasser Recycling System, 500 l/d



Greywater Recycling System, 500 l/d

GW1 1.1-500, indoor

Technisches Datenblatt / technical data

Kapazität		capacity
Gesamtvolumen Stufe 1	500 l	total volume stage 1
Gesamtvolumen Stufe 2	500 l	total volume stage 2
Gesamtvolumen Stufe 3	500 l	total volume stage 3
Tagesfiltrationsleistung	500 l/d	daily filtration capacity
DEA Klarwasserdruckpumpe GAP X120		submersible pump GAP X120
max. Förderstrom Betriebswasser	5,4 m ³ /h	max flowrate service water
max. Betriebsdruck Betriebswasser	3,6 bar	max. operating pressure service water
Motorleistung	900 W	performance

Anschlüsse		connections
Trinkwasser-Nachspeisung	optional	potable water back-up
Betriebswasser	optional	service water
Zulauf in die Anlage	DN 100	input to unit
Überlauf in Kanalisation	DN 100	overflow to sewage

Aufstellraum muss ausreichend belüftet und mit Bodenablauf versehen sein.

Working room needs to be airventilated, floor drain necessary.

Steuerung		control unit
Zeitintervalle für Belebung, Filtration vorprogrammiert*		time interval for aeration, filtration pre-programmed*
Abmessungen (B x H x T)	400 x 500 x 200 mm	measurements (W x H x D)

* Anpassung bedarfsseitig möglich

* possible adjustment according demand

Trinkwasser-Nachspeisung		mains water back-up
Magnetablaufventil (optional, größer möglich)	DN 13	solenoid valve (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	160 kg	weight empty
max. Gesamtgewicht im Betrieb	1.660 kg	unit working (max. weight)
Tank Sedimentation	Ø 640, H 1.650 mm	sedimentation tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 500 l	volume
Zulauf Grauwasser	1.525 mm	greywater inflow
Zulauf Belebung	1.460 mm	inflow into aeration
Überlauf Grauwasser	1.525 mm	greywater overflow
Tank Filtration	Ø 640, H 1.650 mm	filtration tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 500 l	volume
Tank Servicewasser	Ø 640, H 1.650 mm	service water tank
Farbe	lichtgrau / light grey	colour
Volumen	1x 500 l	volume
Trinkwasser-Nachspeisung	1.500 mm	mains water back-up
Entleerung	100 mm	discharge

Trinkwasser-Nachspeisung	inklusive / inclusive	mains water back-up
Betriebswasseranschluss	inklusive / inclusive	service water connection

www.greenlife.de

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GreenLife

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GWI 1.1-500, indoor

The **GreenLife greywater-recycling-system GWI 1.1-500** has a daily greywater filtration capacity of up to 500 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 tank** incl.:
greywater inflow and overflow, aeration, discharge valve
- 2 filtration tank** incl.:
greywater inflow, membrane filter and filtrate box, filtrate pump, negative buoyancy, cable and hose bushings,
- 3 service water tank** incl.:
filtrate access, connection drinking water feed unit (optional), connection twin pump station (optional)
- 4 control unit** incl.:
stainless steel bracket, aeration pump, control module, cable and connecting plug (completely programmed and pre-assembled),

