



Non-electric wastewater treatment system easyRock



The compact non-electric
wastewater treatment system



easyRock



for the system tank and the filter medium



GRAFRock

Mineral filter medium

Inspired by nature

The filter medium used in the GRAF systems comes from natural mineral materials that were formed by volcanic activity.

The compact small wastewater treatment system, without electricity

The **easyRock** was specially developed for properties with very low or irregular inflow. Thanks to the revolutionary **GRAFRock** filter medium, the water is purified in a biological and natural way.

- ✓ No power required – operates without electricity
- ✓ Silent – no noise emissions
- ✓ Ultra-flat installation, minimal installation depth
- ✓ Adaptable to on-site installation conditions, flexible arrangement of the tanks
- ✓ Groundwater-stable up to the bottom edge of the inlet pipe



Compact and ready to install

- ▶ **Compact, flat filter**
Low excavation depth (1,42 m)
- ▶ **Pre-assembled and ready to install**
- ▶ **Compact**
Requires little space
- ▶ **Flexible installation**
As Pack or Line version – quick conversion to the Line version on site
- ▶ **Telescopic and adjustable covers**
- ▶ **Innovative anchoring system**
Ideal for areas with a high groundwater level and/or difficult terrain
- ▶ **Easy handling**
Low weight



Optimised build design



- ▶ **No energy consumption**
Operates without electricity
- ▶ **Low noise**
No noise disturbance
- ▶ **Recyclable materials**
Tank + filter medium
- ▶ **No visual impact**
Installed underground with no visible ventilation hood

Easy maintenance



- ▶ **No malfunctions**
No electrical components
- ▶ **Reliable**
Guaranteed operation even during long absences
- ▶ **No wear parts**
- ▶ **Efficient filter medium**
with a 10-year warranty
- ▶ **Low maintenance costs**



4 – 8 inhabitants



Outflow through gravity or pump station

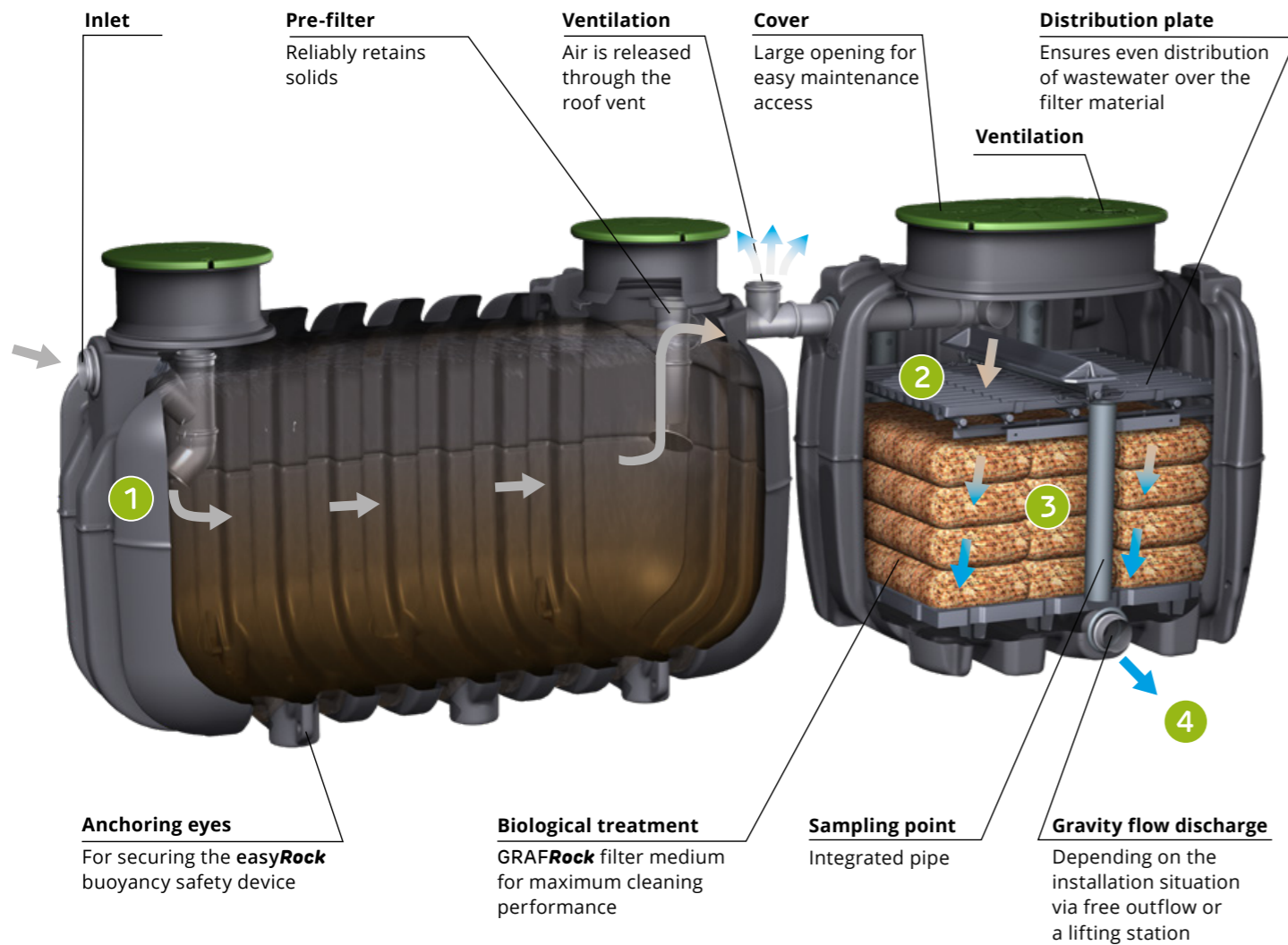


Primary or holiday residence



Pack or Line version

How does the easyRock work



1 Primary sedimentation

The wastewater flows into the first treatment chamber, where grease and other floating substances are separated at the surface, while the solids settle.

2 Biological treatment



The pre-treated water then flows into the distribution system, which spreads the water evenly across the **GRAFRock** filter medium. **GRAFRock** is a highly efficient mineral carrier material for the biological treatment of the water.

3 Continual ventilation



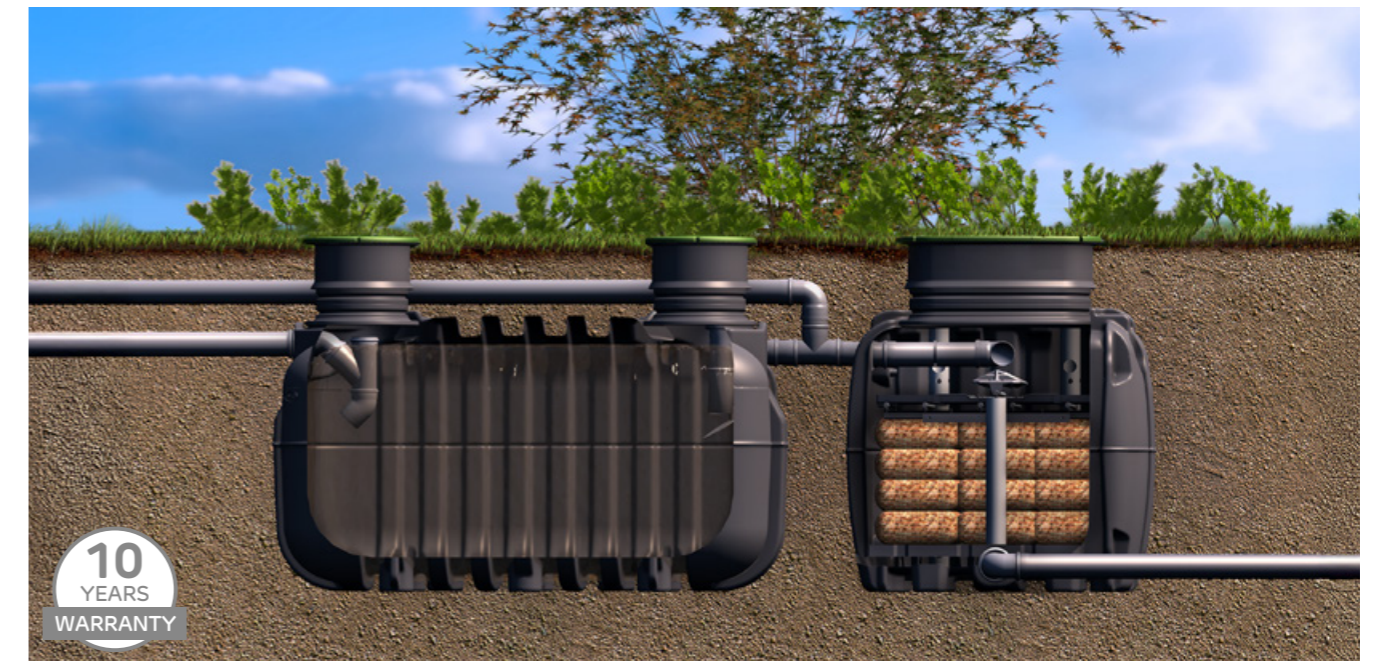
A sophisticated ventilation principle ensures optimal oxygen supply for biological treatment.

4 Discharge of the treated water

Depending on the terrain conditions, the treated wastewater leaves the system either by gravity outflow or via a lifting station.

Wastewater system easyRock

with free outlet



Inhabitants	Volume primary treatment [litres]	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Order-No.
4	1.800	2280	2275	1420 - 2120	280	169300
5	2.250	2280	2500	1420 - 2120	300	169301
6	2.700	2280	2725	1420 - 2120	330	169302
8	3.600	2280	3300	1420 - 2120	380	169303

Scope of delivery: Pre-assembled non-electric wastewater treatment system plant consisting of a primary treatment unit with integrated pre-filter and a treatment unit with distribution system and **GRAFRock** filter medium, including infinitely adjustable telescopic tank domes and covers (2 x Ø 400 mm for the primary treatment unit and Ø 600/800 mm for the treatment unit). For 4, 5, and 6 PE, delivery is provided as a pack version. For 8 PE, delivery is provided as a line version.

Accessories

Extension kit **easyRock**

3 extensions that can be cut to size (2 x Ø 400 mm + 1 x Ø 600/800 mm), usable height: 180 mm (maximum 3 extension sets possible)

Order no. 169271

Pipe ventilator DN110

Electric 220 V, optional, if ventilation cannot be implemented according to the installation instructions

Order no. 169138

Ventilation set **easyRock**

Including PP pipe DN110, Length: 450 mm, to increase the ventilation opening for regions with heavy snowfall

Order no. 169298

Lifting station including alarm

Electric 220V, with pre-assembled pump

Order no. 169273

Turbovent deaeration ventilator DN110 - 125

Wind-powered, for vent pipe

Order no. 169131

Extension kit **easyRock** for lifting station

1 extension that can be cut to size 1 x 300 mm, usable height: 180 mm (maximum 3 extension sets possible)

Order no. 169272

Buoyancy protection **easyRock 4 - 8 EW**

4 glass fibre reinforced plastic panels for buoyancy safety, mounting material. Required 2 x for Line version

Order no. 169297

Sampling point 400

Pedestrian loading with plastic cover, child-proof

Order no. 169263

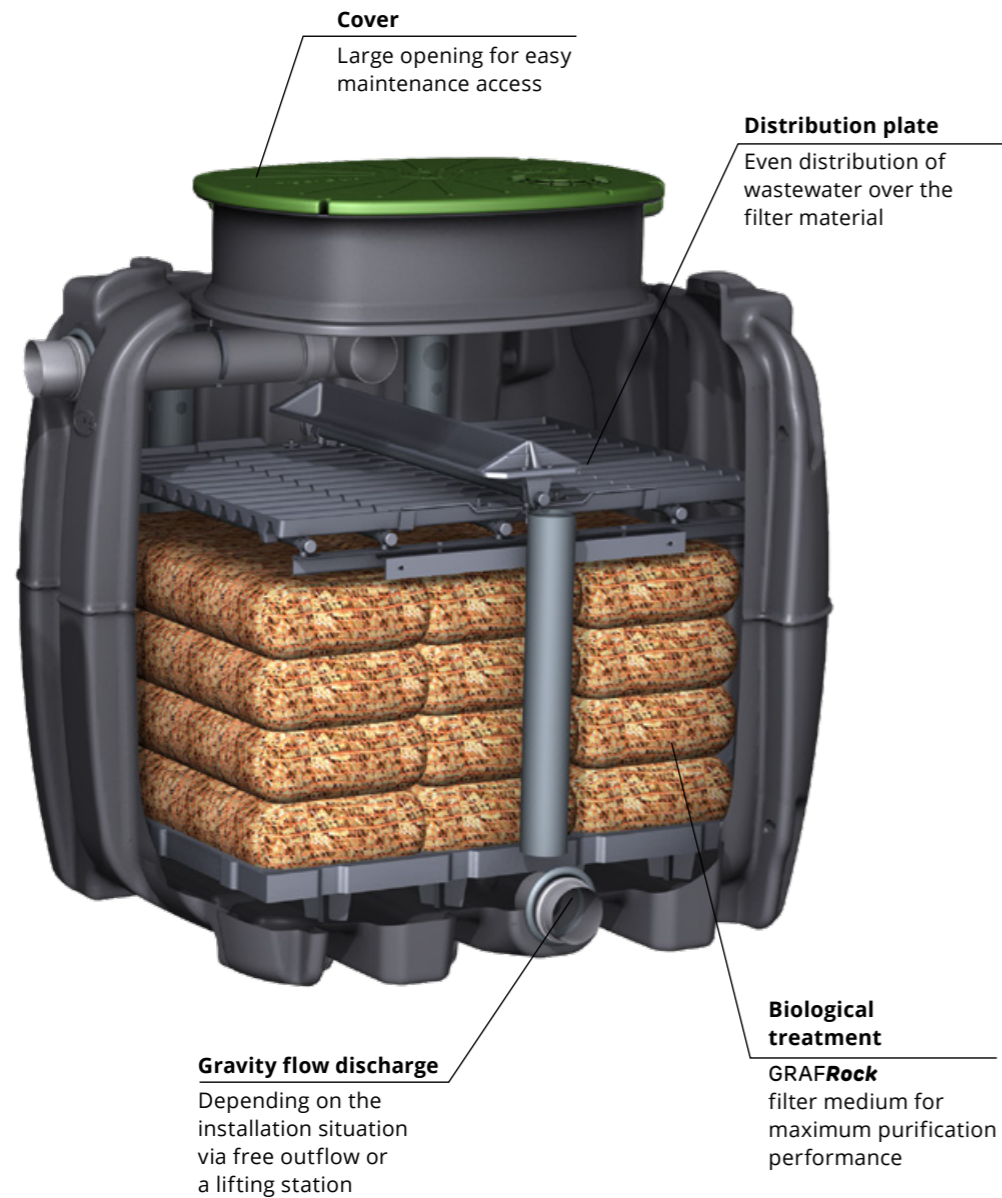
Extension 400, length 600 mm for sampling shaft

Including profile seal; for implementing larger installation depths, usable length: 500 mm, can be shortened to 250 mm

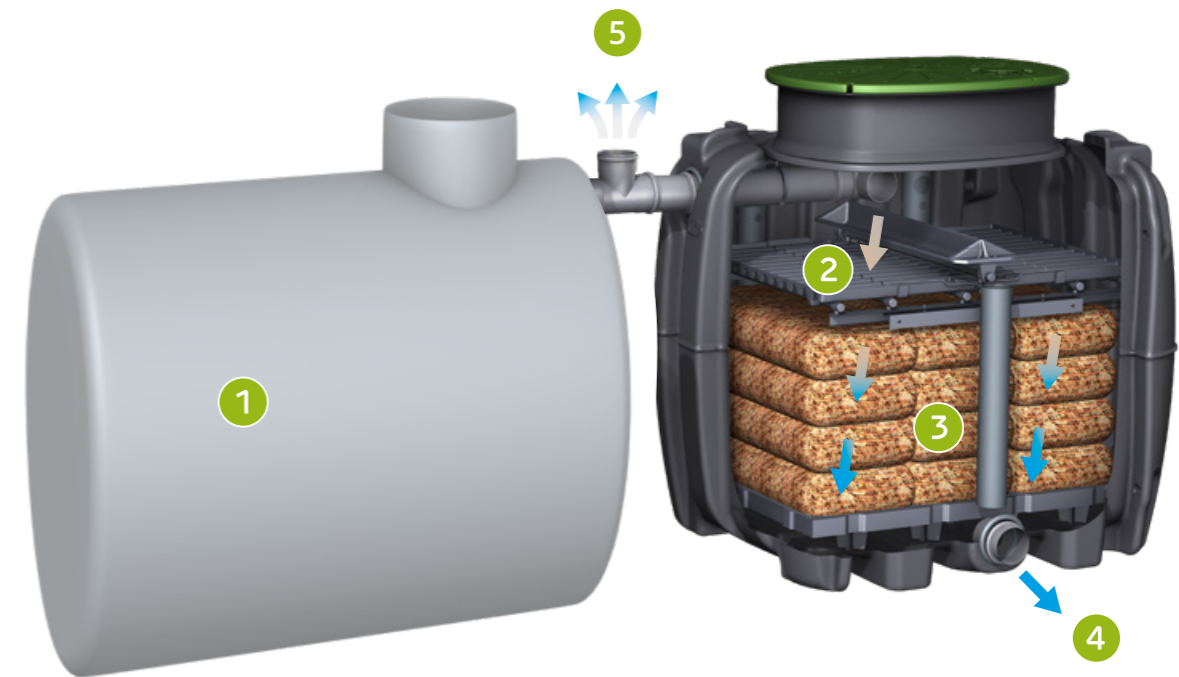
Order no. 330341

easyRock UNI

The easyRock UNI is a treatment tank that can be used with any primary treatment tank



Existing septic tanks on site can be integrated without difficulty. This allows existing systems to be upgraded with minimal effort and brought up to the latest technical standards.



- 1 Primary treatment**
Septic tank according to EN 12566-1
- 2 Treatment**
Even distribution of the wastewater
- 3 Biological treatment**
with GRAFRock filter medium

- 4 Outflow**
Depending on the installation situation by gravity or via a lifting station
- 5 Secondary ventilation**
Air outlet

easyRock UNI

The easyRock UNI can be used with the following GRAF tanks:

Order-No.	Inhabitants	Description	Primary treatment Carat	Primary treatment Septic
169304	4	Treatment unit certified in accordance with EN 12566-6	Carat 2.700	Septic 2.000
169305	5		Carat 2.700	Septic 2.500
169306	6		Carat 3.750	Septic 3.000
169307	8		Carat 4.800	Septic 4.000

Scope of delivery easyRock UNI: Treatment unit with distribution system and GRAFRock filter medium, including infinitely adjustable telescopic tank dome and cover (Ø 600/800 mm).

Further size options available upon request.

Treatment performance

	easyRock	easyRock UNI*	Effluent values
CSB	95%	87%	41 mg/l
BOD ₅	98%	94%	7 mg/l
SSS	99%	91%	5 mg/l
N-NH ₄	75%	74%	14 mg/l

*Treatment performance of the treatment unit (without primary treatment)

Accessories

Buoyancy protection easyRock UNI

4 glass-fiber reinforced plastic plates for buoyancy protection, incl. mounting material

Order no. 169825

Extension set easyRock UNI

1 adjustable extension (Ø 600/800 mm), usable height: 180 mm (maximum of 3 extension sets possible)

Order no. 169308





Image shows EcoPrimo (pre-filtration for stormwater systems)



Further details on infiltration, retention, and rainwater treatment can be found in our catalogue "Environmentally friendly solutions".

Please note:

Information on all products and systems in this brochure is subject to changes and errors.

Pictures and photographs are approximate only.

The applicable technical documentation for the products shall control, which we will be happy to send you on request.

All offers, deliveries and services are subject to our general terms and conditions, which we will also be happy to send you.



RAINWATER HARVESTING



STORMWATER MANAGEMENT



WASTEWATER TREATMENT SOLUTIONS



SEPARATORS



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