

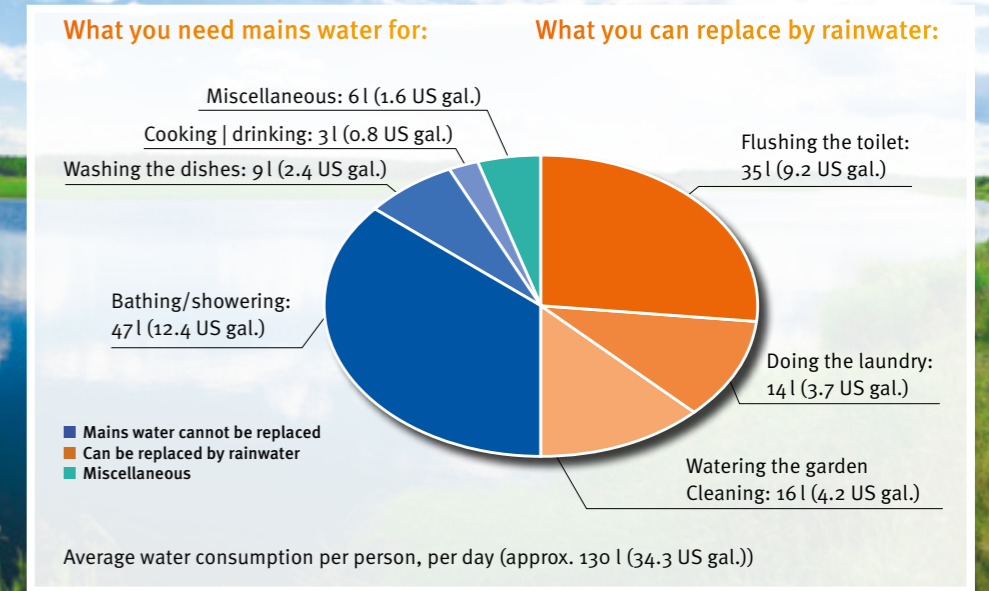
SAVE RAINWATER — SAVE MONEY!

Rainwater harvesting has never been more simple



Sustainability through and through!

A one-off investment – save up to 50% in mains water costs!



Save mains water – Use rainwater

Not all household applications require water of drinking quality. With little effort, groundwater resources can be preserved and energy consumption for drinking water treatment can be reduced. GARANTIA rainwater harvesting systems enable these savings and can be used to aid flood prevention and maintain the natural water cycle. Savings of up to 50% can be made!

100% recyclable

Preventing waste as a matter of course: All GARANTIA products are completely recyclable and many are manufactured using a high proportion of recycled raw materials. This also improves the environmental performance of the GARANTIA product range. Products with this symbol have been produced using 100% recycled materials.



Green production

State-of-the-art production systems ensure that the manufacture of GARANTIA environmentally-friendly products consumes a significantly lower amount of energy than conventional processes. The waste heat generated during production is used to heat our production and logistics buildings via a modern heat recovery process. This gives GARANTIA products an optimal carbon footprint.

Rainwater harvesting is as easy as child's play

GARANTIA products include everything you need for professional rainwater harvesting. They are thought out right down to the smallest detail and are ideal for do-it-yourself installation.

- Garantia rainwater harvesting systems only have one tank covering. The filter technology is integrated in the tank.
- The telescopic dome shaft can be telescoped and tilted in a continuously variable manner. It can be optimally adapted to the surface of the terrain.

Please bear in mind

You do not have to notify or seek approval from any official bodies that you are using a rainwater harvesting system to irrigate your garden. But you must notify your water supplier and the health authorities if you have a system which is also used for building services (washing machine and flushing toilets).

Make some serious savings

Up to 50% of your daily water needs can be replaced by rainwater. Using a rainwater harvesting system therefore allows your household to make some serious savings.

Durable products

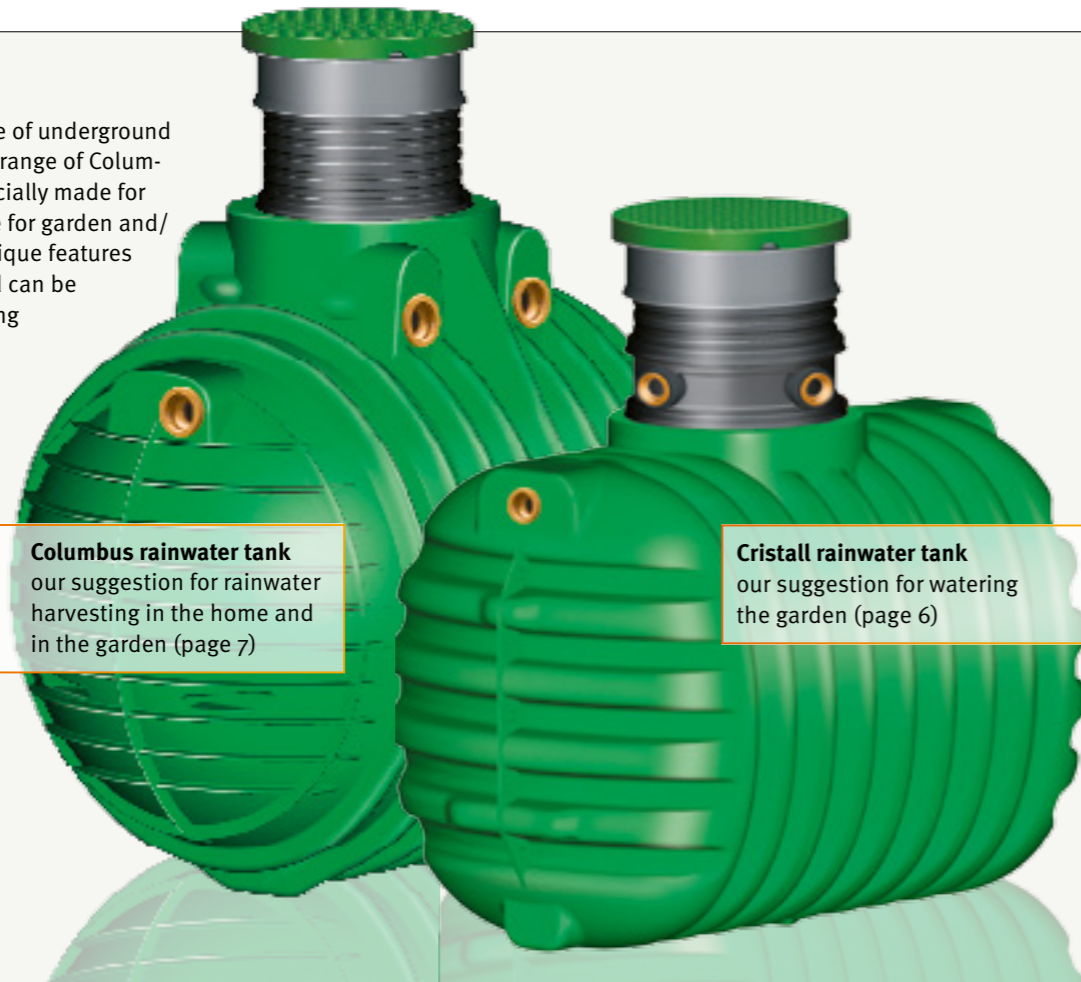
We attach great importance to durable product design, right from the product development stage. This ensures that fewer resources are used and the environmental impact is minimised.

For GARANTIA products, we offer a manufacturer's warranty of up to 15 years.



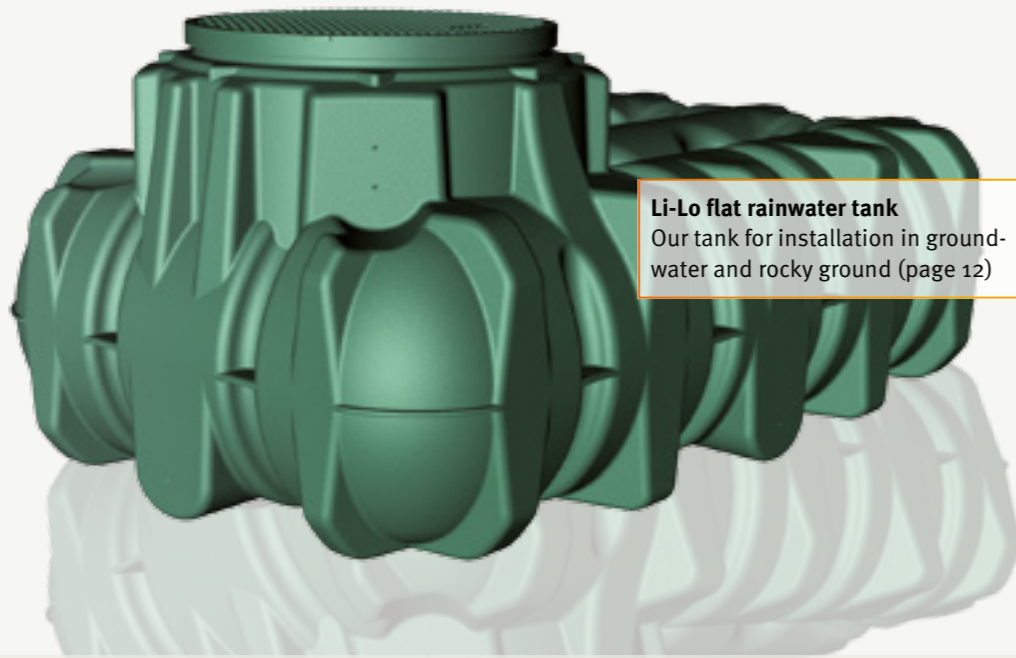
Rainwater tanks

Garantia offers a wide range of underground tanks for different use. Our range of Columbus and Cristall tank is specially made for rainwater harvesting usage for garden and/or house. Our Lilo offers unique features like shallow excavation and can be used for rainwater harvesting as well.



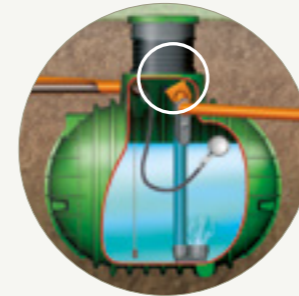
Columbus rainwater tank
our suggestion for rainwater harvesting in the home and in the garden (page 7)

Cristall rainwater tank
our suggestion for watering the garden (page 6)



Li-Lo flat rainwater tank
Our tank for installation in ground-water and rocky ground (page 12)

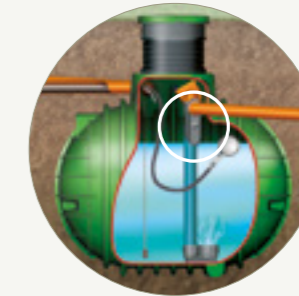
Outstanding water quality thanks to 4-stage cleaning process



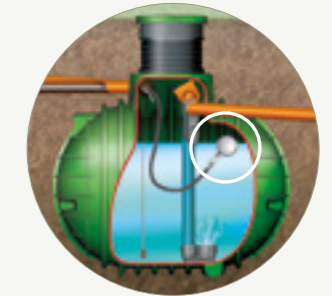
Cleaning stage 1
Filter system
The integrated filter technology reliably removes dirt particles from the incoming water. GARANTIA offers a range of filter systems to suit your application.



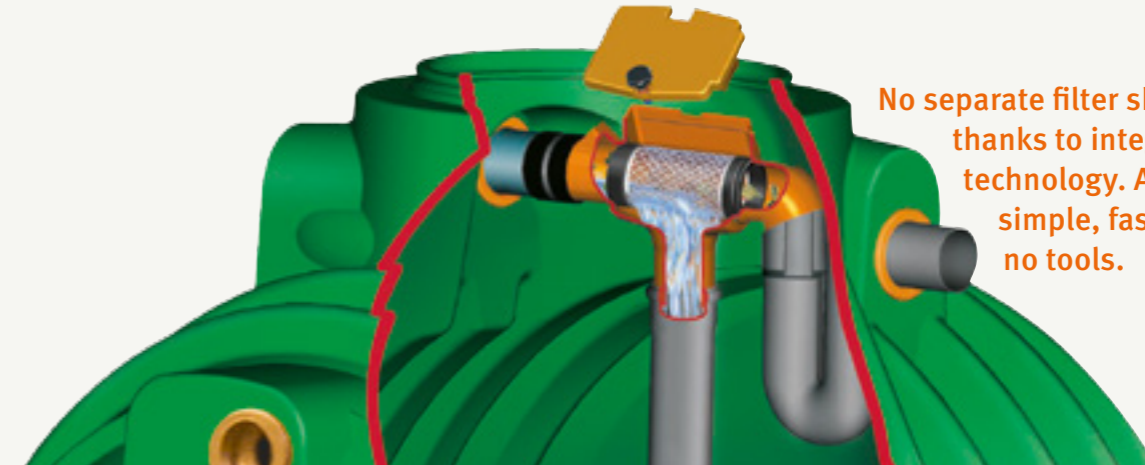
Cleaning stage 2
Steady inflow
The finest dirt particles settle at the bottom of the tank as sediment. The filtered water is introduced through an inlet pot in the tank base. This permanently prevents the sediment being stirred up.



Cleaning stage 3
Overflow siphon
Dirt particles that are lighter than water (e.g. pollen) settle on the surface of the water, forming a layer of floating particles, which regularly flow out through the overflow siphon. The siphon also acts as an odour trap to drain the system.



Cleaning stage 4
Floating extraction setup
The rainwater harvesting system uses the floating extraction setup to draw the rainwater approx. 10 cm (4") below the surface of the water, which is where the best water quality is found.



No separate filter shaft necessary thanks to integrated filter technology. Assembly is simple, fast and requires no tools.

Find the right tank size quickly and easily:



Tip
The online product advisor at www.garantia.eu provides an interactive calculation of the rainwater tank size and savings.

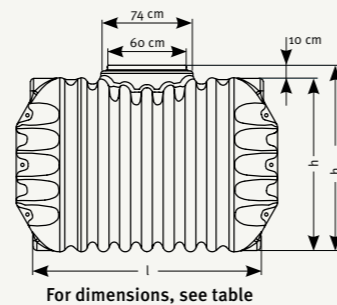


GARANTIA® Cristall underground tank

1,600 and 2,650 l (422 and 700 US gal.)



- Recommended for watering the garden
- Easy to transport thanks to low weight of just 65 kg (143 lbs) (size 1,600 l (422 US gal.))
- Only one tank covering in the garden thanks to integrated filter technology
- Pre-fitted lip seals for fast and safe assembly
- Groundwater stable up to 50 cm (19.7") above the tank base

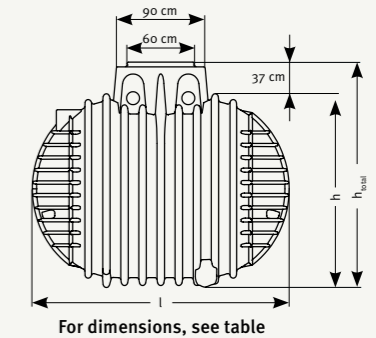


GARANTIA® Columbus underground tank

3,700 to 9,000 l (977 to 2,377 US gal.)

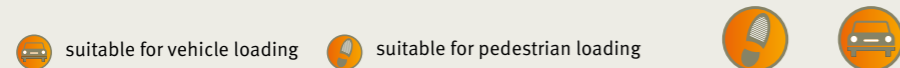


- Recommended for rainwater harvesting in the home and in the garden
- Only one tank covering in the garden thanks to integrated filter technology
- Pre-fitted lip seals for fast and safe assembly
- Groundwater stable up to 80 cm (31.5") above the tank base



Cristall underground tank

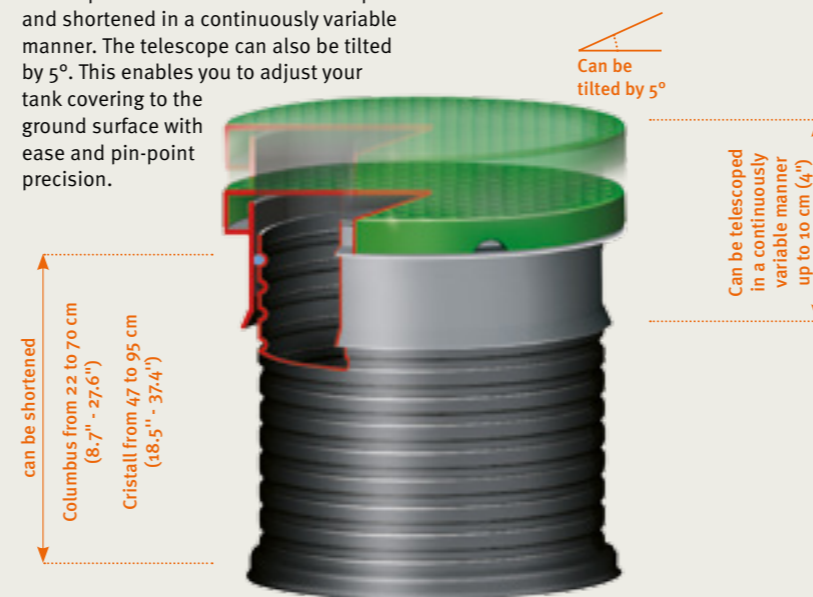
Underground tank with a tank dome Ø of 60 cm (23.6") and 1 DN 100 (4") lip seal, including Cristall telescopic dome shaft which can be telescoped/shortened between 47 cm (18.5") and 95 cm (37.4"), Ø of 60 cm (23.6") with 3 DN 100 (4") lip seals and child-proof PE cover with double walls, grass-green in colour



Volume	Length l	Width	Height h	Height h _{total}	Weight	Order no.	Order no.
1,600 l (422 US gal.)	210 cm (6'10")	105 cm (41.3")	112 cm (44.1")	122 cm (48")	65 kg (143.3 lbs)	200030	200040
2,650 l (700 US gal.)	210 cm (6'10")	130 cm (51.2")	140 cm (55.1")	150 cm (4'11")	100 kg (220.5 lbs)	200031	200041

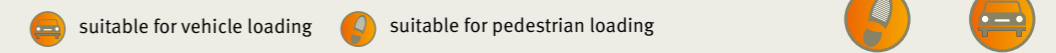
The perfect tank covering

The standard Cristall or Columbus telescopic dome shaft can be telescoped and shortened in a continuously variable manner. The telescope can also be tilted by 5°. This enables you to adjust your tank covering to the ground surface with ease and pin-point precision.



Columbus underground tank

Underground tank with a tank dome Ø of 60 cm (23.6") and 2 openings with DN 100 (4") seals, including Columbus telescopic dome shaft which can be telescoped/shortened between 22 cm (8.7") and 70 cm (27.6"), Ø of 60 cm (23.6") and child-proof PE cover with double walls, grass-green in colour



Volume	Length l	Width	Height h	Height h _{total}	Weight	Order no.	Order no.
3,700 l (977 US gal.)	244 cm (8')	165 cm (5' 4.9")	158 cm (5' 2")	195 cm (6' 4")	140 kg (308.6 lbs)	200032	200043
4,500 l (1,188 US gal.)	244 cm (8')	184 cm (6' 4")	177 cm (5' 9")	214 cm (7')	190 kg (418.9 lbs)	200033	200044
6,500 l (1,717 US gal.)	268 cm (8' 9.5")	202 cm (6' 7")	192 cm (6' 3")	229 cm (7' 5")	260 kg (573.2 lbs)	200034	200045
9,000 Set* (2,376 US gal.)*	see 4,500 l tank					200035	200046

*Kit consists of 2 Columbus 4,500 l underground tanks



Car module

Class B125/DIN EN 124 (in combination with Cristall or Columbus telescopic dome shaft), consisting of cast cover with a Ø of 69 cm (27.2") and cast frame with a Ø of 78 cm (30.7")



Car module

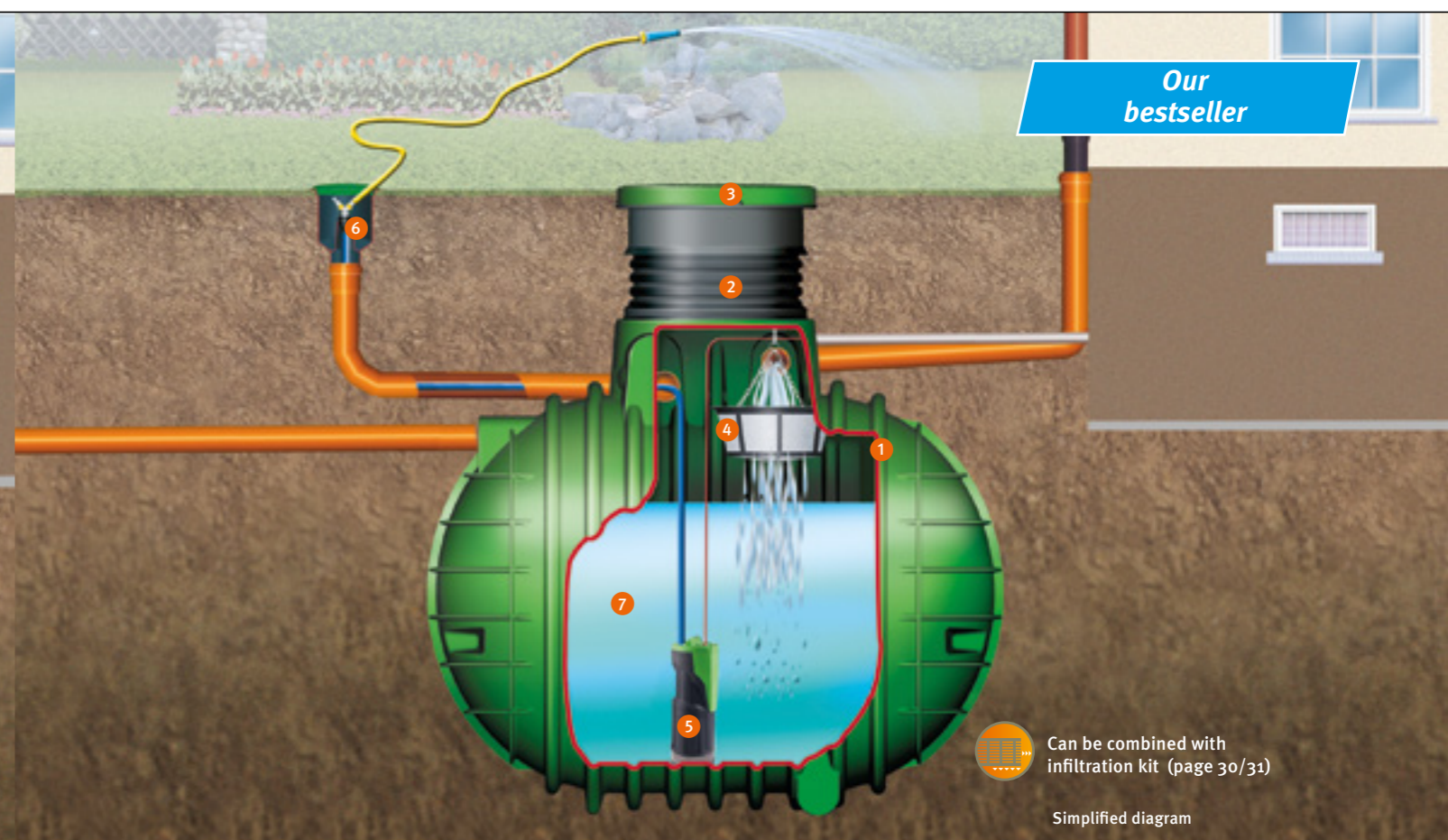
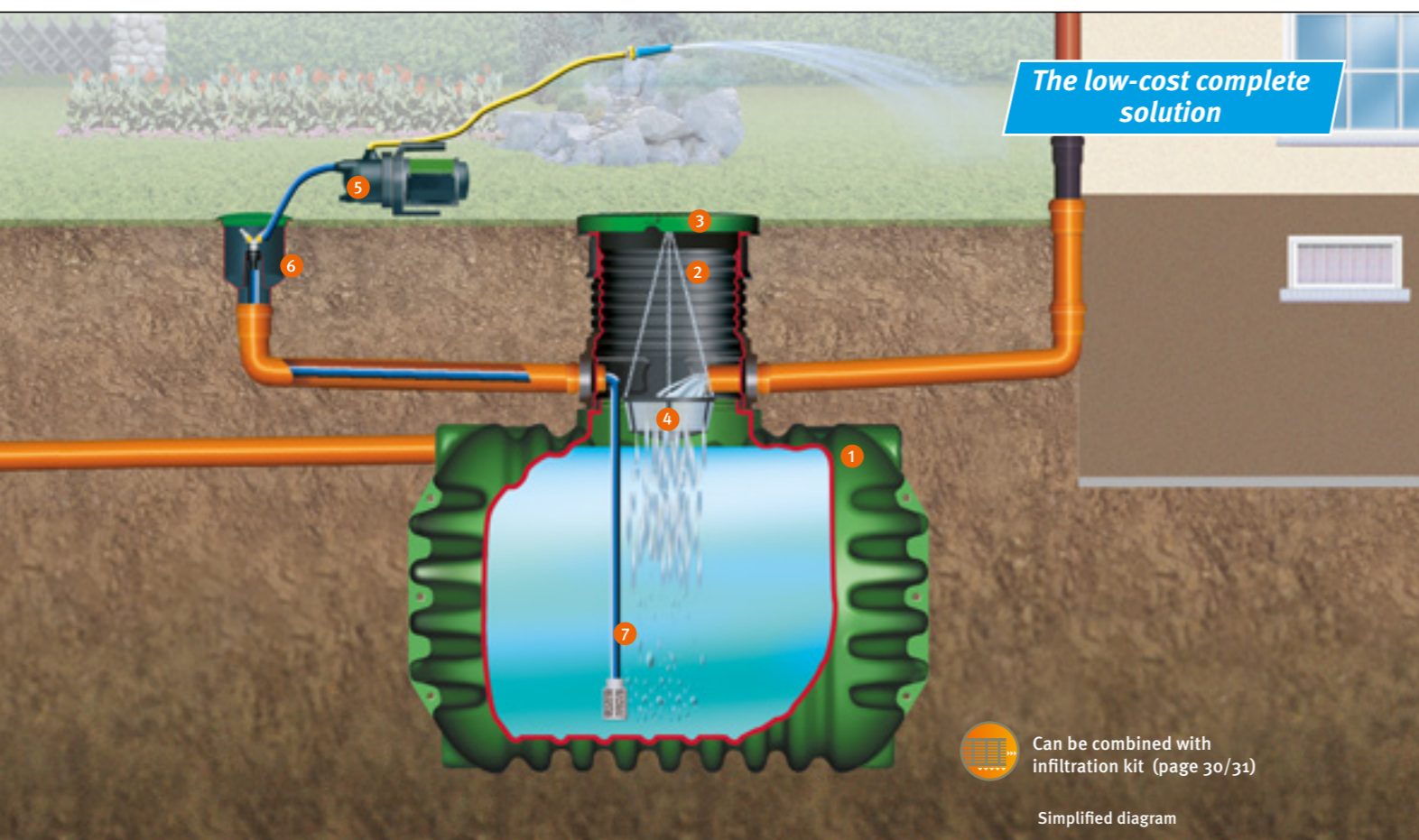
Class B125/DIN EN 124 (in combination with Cristall or Columbus telescopic dome shaft), consisting of cast cover with a Ø of 69 cm (27.2") and cast frame with a Ø of 78 cm (30.7")

Garden-Jet complete package

With tank covering for pedestrian loading

Garden-Comfort complete package

With tank covering for pedestrian loading



Benefits

- The low-cost starter solution for rain-water harvesting in the garden
- With the mobile Garden-Jet pump
- Water can be extracted with ease

Scope of supply

- 1 Cristall or Columbus underground tank (page 6/7)
- 2 Cristall or Columbus telescopic dome shaft
- 3 Child-proof PE cover with double walls
- 4 Filter basket for hanging in the tank (page 17)
- 5 Self-priming Garden-Jet pump (page 18)
- 6 External water hose connection box incl. 2-way valve for standard hose coupling (page 23)
- 7 Suction kit with 10 m (32.8') suction hose and non-return valve

Benefits

- Water from tap like electricity from the socket
- The submersible suction pump with integrated pump control allows for maximum ease of use (pump switches on and off automatically)

Scope of supply

- 1 Cristall or Columbus underground tank (page 6/7)
- 2 Cristall or Columbus telescopic dome shaft
- 3 Child-proof PE cover with double walls
- 4 Filter basket for hanging in the tank (page 17)
- 5 Combi-Tauch 1000 submersible pump (page 18)
- 6 External water hose connection box incl. 2-way valve for standard hose coupling (page 23)
- 7 10 m (32.8') pressure hose 1"



Cristall complete package
Garden-Jet 1,600 l (422 US gal.)



Cristall complete package
Garden-Jet 2,650 l (700 US gal.)

Columbus complete package
Garden-Jet 3,700 l (977 US gal.)

Columbus complete package
Garden-Jet 4,500 l (1,188 US gal.)

Columbus complete package
Garden-Jet 6,500 l (1,717 US gal.)

Columbus complete package*
Garden-Jet 9,000 l (2,377 US gal.)



Cristall complete package
Garden-Comfort 1,600 l (422 US gal.)



Cristall complete package
Garden-Comfort 2,650 l (700 US gal.)

Columbus complete package
Garden-Jet 3,700 l (977 US gal.)

Columbus complete package
Garden-Comfort 4,500 l (1,188 US gal.)

Columbus complete package
Garden-Comfort 6,500 l (1,717 US gal.)

Columbus complete package*
Garden-Comfort 9,000 l (2,377 US gal.)



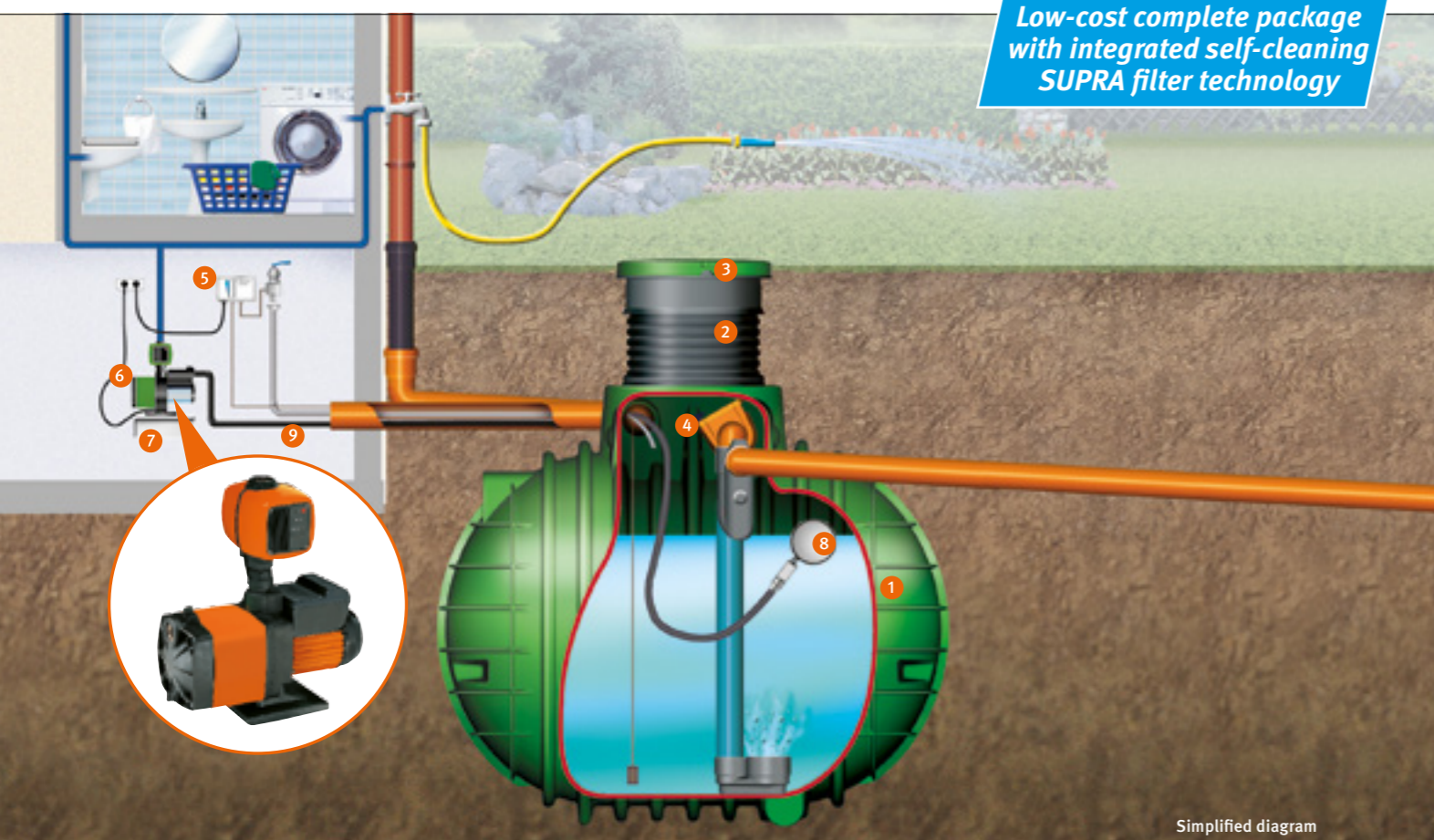
*Kit consists of 2 Columbus 4,500 l underground tanks

*Kit consists of 2 Columbus 4,500 l underground tanks

Home-Classic complete package

With tank covering for pedestrian loading

Low-cost complete package with integrated self-cleaning SUPRA filter technology



Simplified diagram

Benefits

- The low-cost starter solution for rainwater harvesting in the home (washing machine and toilet) and in the garden
- High-quality pump technology

Scope of supply

- 1 Columbus underground tank (page 7)
- 2 Columbus telescopic dome shaft
- 3 Child-proof PE cover with double walls
- 4 Filter package with SUPRA filter (page 17)
- 5 Mains water intake with digital level indicator
- 6 Domestic waterworks with dry running protection, max. 4.8 bar, max. 4800 l (1268 US gal.) /h
- 7 Pump wall console
- 8 Floating extraction setup (page 23) Removes the water just below the surface of the water at the point where it is cleanest
- 9 10 m (32.8') suction hose 1"



Columbus complete package Home-Classic 3,700 l (977 US gal.)

Columbus complete package Home-Classic 4,500 l (1,188 US gal.)

Columbus complete package Home-Classic 6,500 l (1,717 US gal.)

Columbus complete package* Home-Classic 9,000 l (2,377 US gal.)

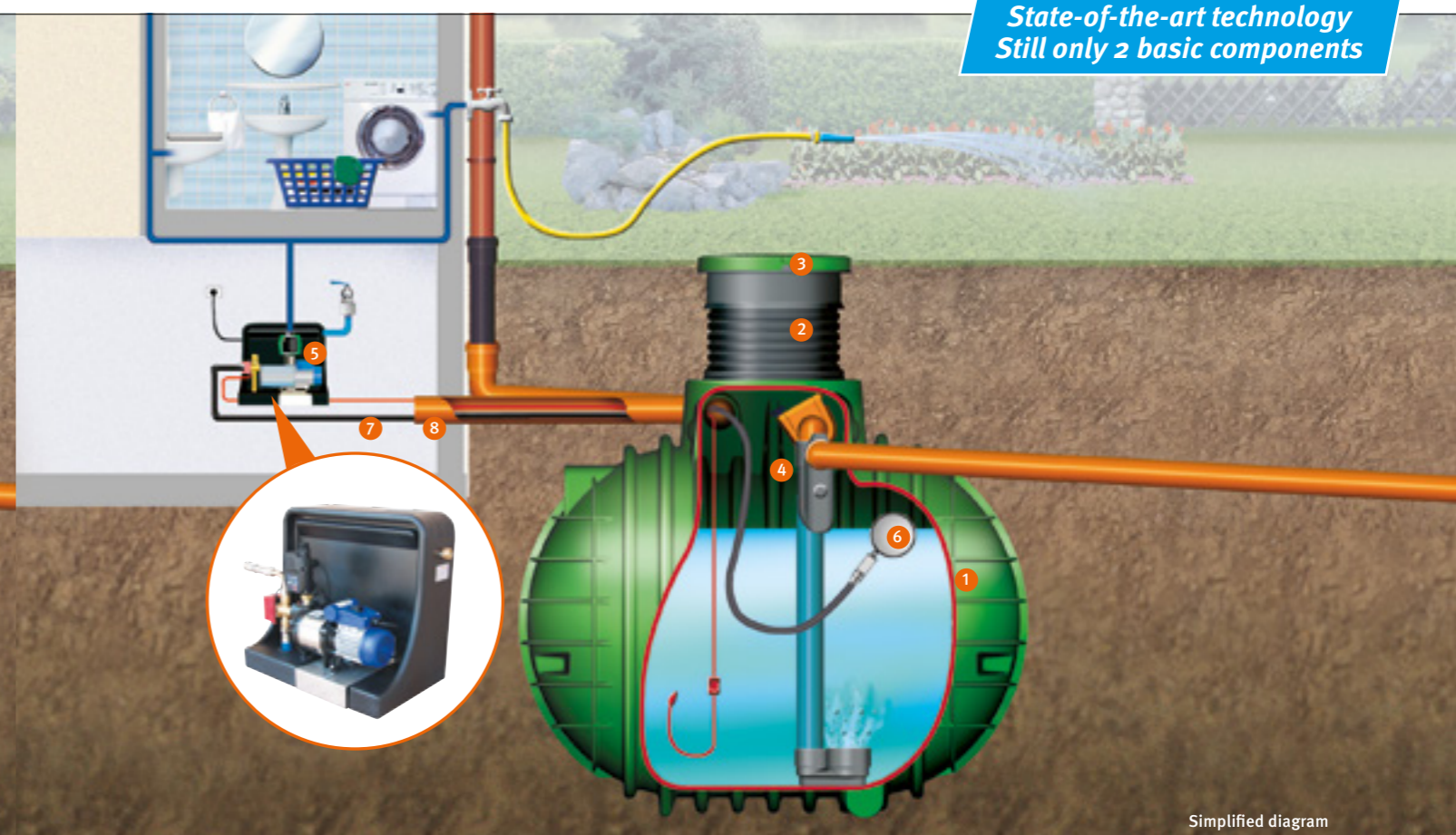


*Kit consists of 2 Columbus 4,500 l underground tanks

Home-Premium complete package

With tank covering for pedestrian loading

State-of-the-art technology Still only 2 basic components



Simplified diagram

Benefits

- The Premium complete package includes the latest rainwater harvesting technology
- You still only have to install 2 basic components – ideal for do-it-yourself installation!

Scope of supply

- 1 Columbus underground tank (page 7)
- 2 Columbus telescopic dome shaft
- 3 Child-proof PE cover with double walls
- 4 Filter package with SUPRA filter (page 17)
- 5 water intake module to automatically control your rainwater harvesting system (page 18)
- 6 Floating extraction setup (page 23) Removes the water just below the surface of the water at the point where it is cleanest
- 7 10 m (32.8') suction hose 1"
- 8 Wall duct DN 100 (4") (page 23)



Columbus complete package Home-Premium 3,700 l (977 US gal.)

Columbus complete package Home-Premium 4,500 l (1,188 US gal.)

Columbus complete package Home-Premium 6,500 l (1,717 US gal.)

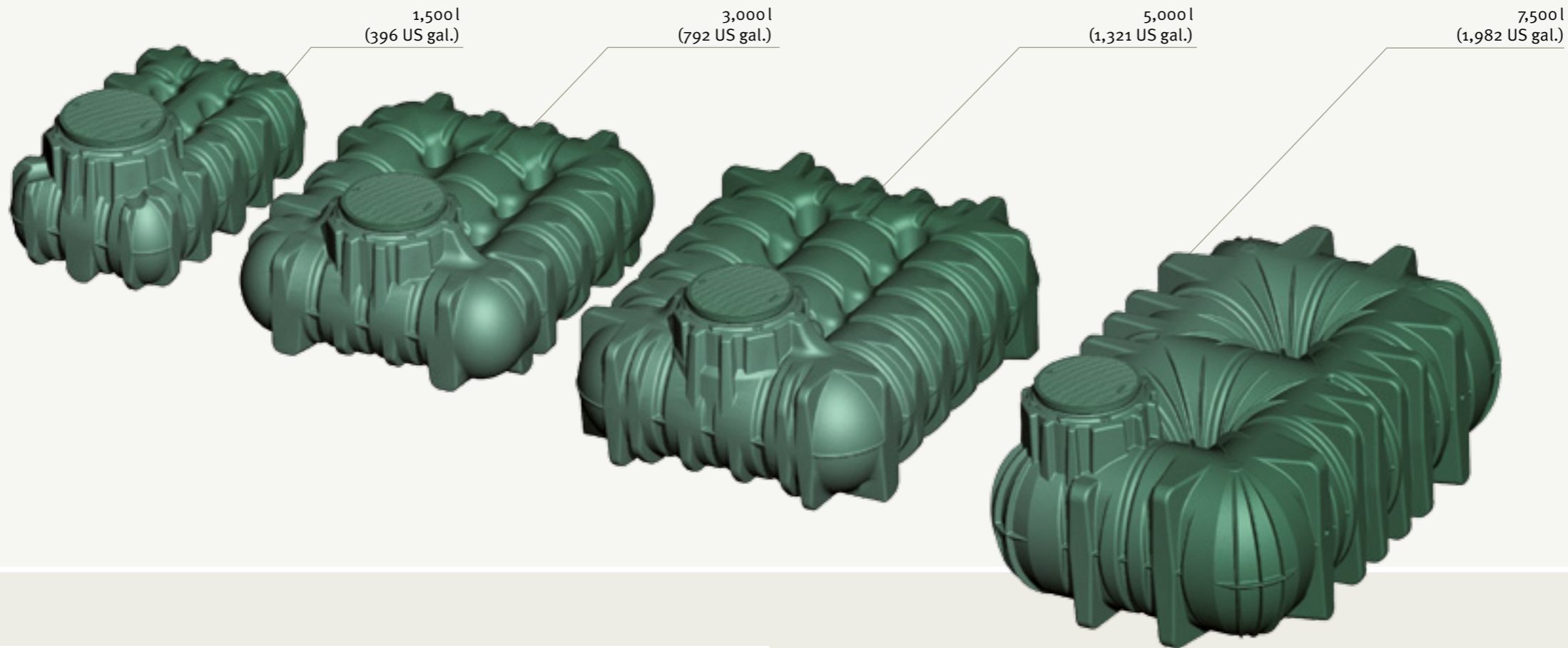
Columbus complete package* Home-Premium 9,000 l (2,377 US gal.)



*Kit consists of 2 Columbus 4,500 l underground tanks

GARANTIA® Li-Lo underground tank

1,500 to 7,500 l (396 to 1,982 US gal.)



- Easily transported thanks to its low weight
- Extremely little excavation required
- Quick and easy assembly
- Self-anchored
- Can be mounted in groundwater up to tank shoulder
- Suitable for vehicle loading (up to 3.5 t)
- Includes PE lid double-walled



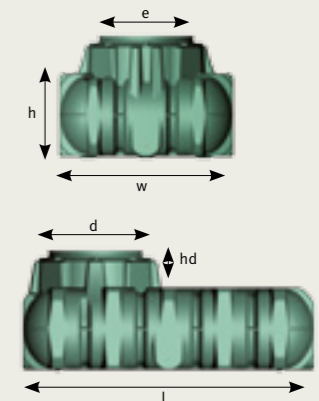
The perfect tank covering

The standard Cristall or Columbus telescopic dome shaft can be telescoped and shortened in a continuously variable manner. The telescope can also be tilted by 5°. This enables you to adjust your tank covering to the ground surface with ease and pin-point precision.
Order no. 202057



Car module

Class B125/DIN EN 124 (in combination with Cristall or Columbus telescopic dome shaft), consisting of cast cover with a Ø of 69 cm (27.2") and cast frame with a Ø of 78 cm (30.7")
Order no. 202059



Li-Lo underground tank

The Li-Lo flat tank with a tank dome Ø of 60 cm (23.6") and 4 x DN 100 (4") lip seal, including child-proof PE cover with double walls, grass-green in colour. A telescopic dome shaft which can be telescoped/shortened between 22 and 70 cm (8.7" – 27.6"), Ø of 60 cm (23.6") can be added.

suitable for pedestrian loading

Volume	Length l	Width w	Height of tank shoulder h	Height of dome collar hd	Ø inlet e	Ø tank dome d	Weight	Order no.
1,500 l (396 US gal.)	210 cm (6'10")	125 cm (49.2")	70 cm (27.6")	31.5 cm (12.4")	65 cm (25.6")	80 cm (31.5")	82 kg (180.8 lbs)	200050
3,000 l (792 US gal.)	245 cm (8' 1/2")	210 cm (6'10")	73.5 cm (28.9")	31.5 cm (12.4")	65 cm (25.6")	80 cm (31.5")	180 kg (396.8 lbs)	200051
5,000 l (1,321 US gal.)	289 cm (9'5")	230 cm (7'6")	95 cm (37.4")	31.5 cm (12.4")	65 cm (25.6")	80 cm (31.5")	250 kg (551.2 lbs)	200052
7,500 l (1,982 US gal.)	360 cm (11'9")	225 cm (7'4")	12.5 cm (4.9")	31.5 cm (12.4")	65 cm (25.6")	80 cm (31.5")	360 kg (793.7 lbs)	200053

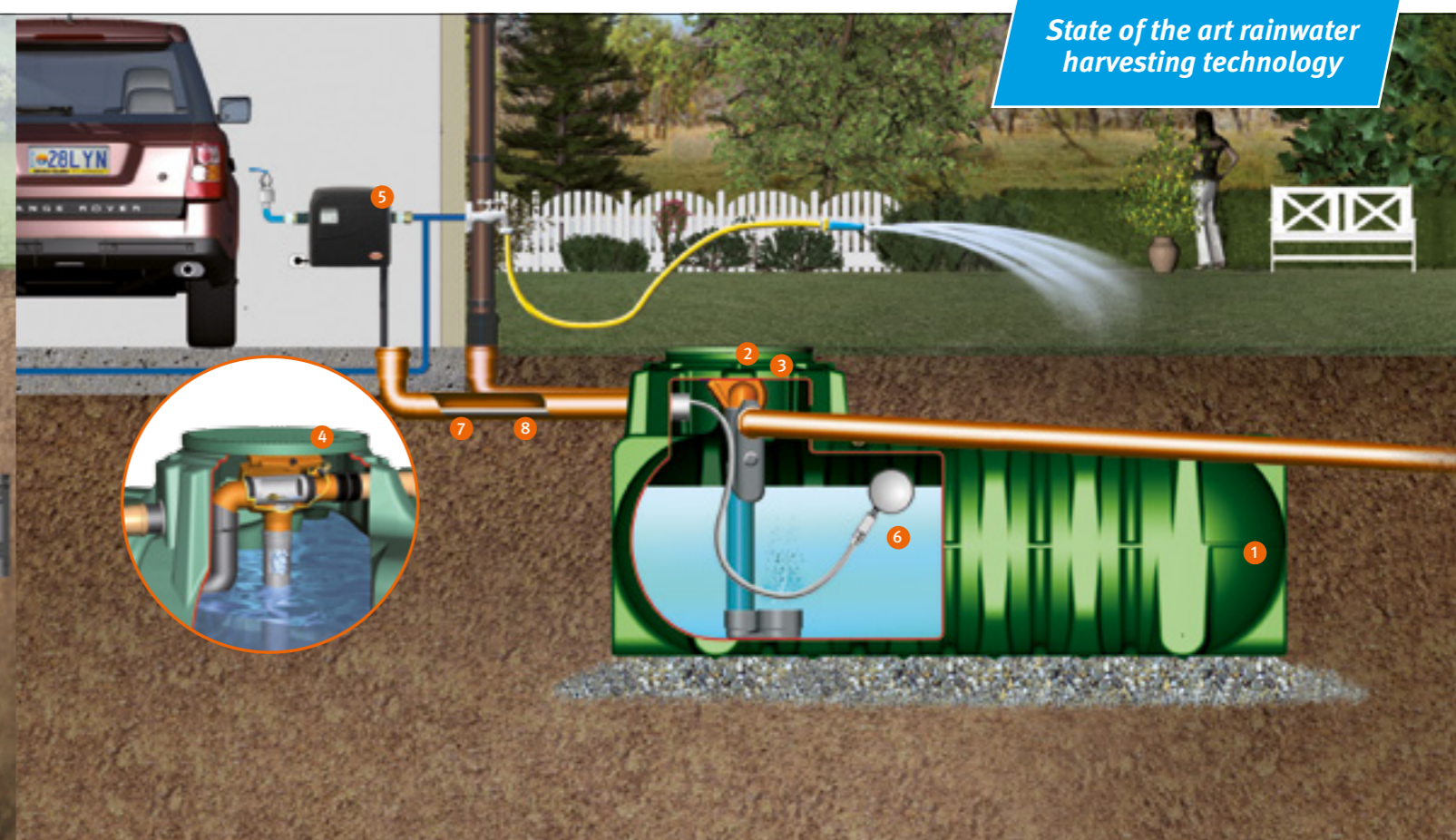
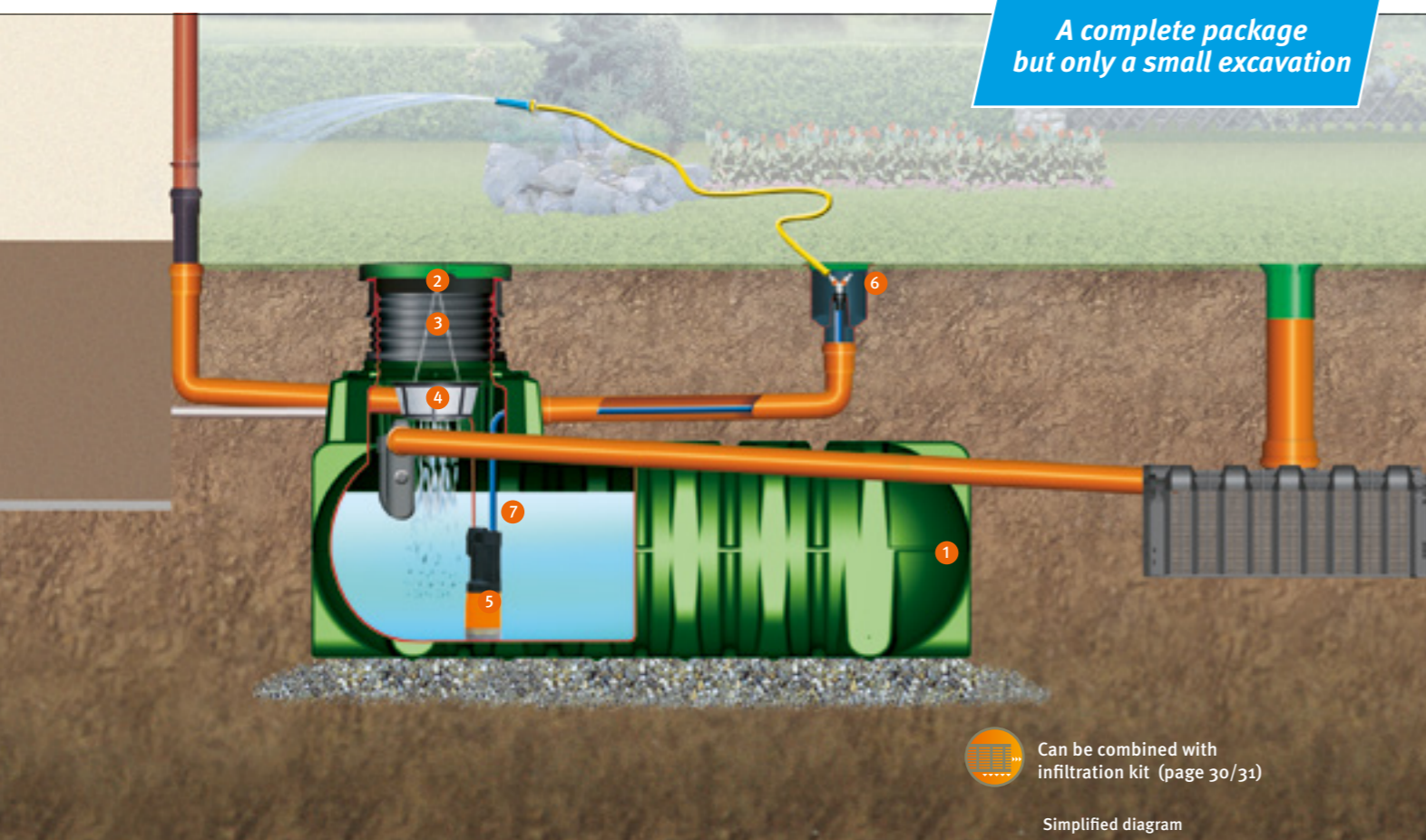


Garden-Comfort complete package

Comfortable and easy to install

Home-Premium complete package

With tank covering for pedestrian loading



Benefits

- Water from tap like electricity from the socket
- The submersible suction pump with integrated pump control allows for maximum ease of use (pump switches on and off automatically)
- Less digging

Scope of supply

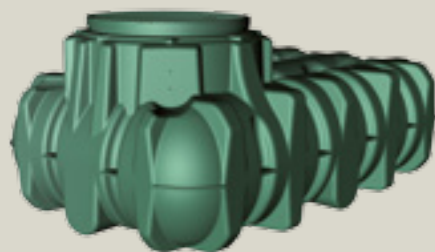
- 1 Li-Lo underground tank (page 12/13)
- 2 Child-proof PE cover with double walls
- 3 Li-Lo telescopic dome shaft
- 4 Filter strainer for hanging in the tank (page 17)
- 5 Combi-Tauch 1000 submersible pump (page 18)
- 6 External water hose connection box incl. 2-way valve for standard hose coupling (page 23)
- 7 10 m (32.8') suction hose 1"

Benefits

- The Premium complete package includes the latest rainwater harvesting technology
- You still only have to install 2 basic components – ideal for do-it-yourself installation!

Scope of supply

- 1 Li-Lo underground tank (page 12/13)
- 2 Child-proof PE cover with double walls
- 3 Li-Lo telescopic dome shaft (not shown in the graphic)
- 4 Filter package with SUPRA filter
- 5 EcoSmart module to automatically control your rainwater harvesting system (page 20)
- 6 Floating extraction setup (page 23) Removes the water just below the surface of the water at the point where it is cleanest
- 7 10 m (32.8') suction hose 1"
- 8 Wall duct DN 100 (4") (page 23)



Li-Lo complete package
Garden-Comfort 1,500 l (396 US gal.)

Li-Lo complete package
Garden-Comfort 3,000 l (792 US gal.)

Li-Lo complete package
Garden-Comfort 5,000 l (1,321 US gal.)

Li-Lo complete package
Garden-Comfort 7,500 l (1,982 US gal.)



Li-Lo complete package
Home-Premium 1,500 l (396 US gal.)

Li-Lo complete package
Home-Premium 3,000 l (792 US gal.)

Li-Lo complete package
Home-Premium 5,000 l (1,321 US gal.)

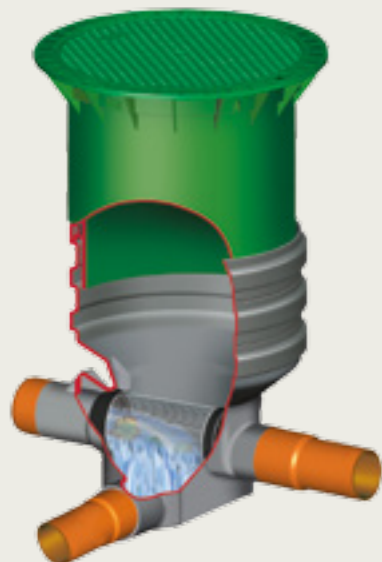
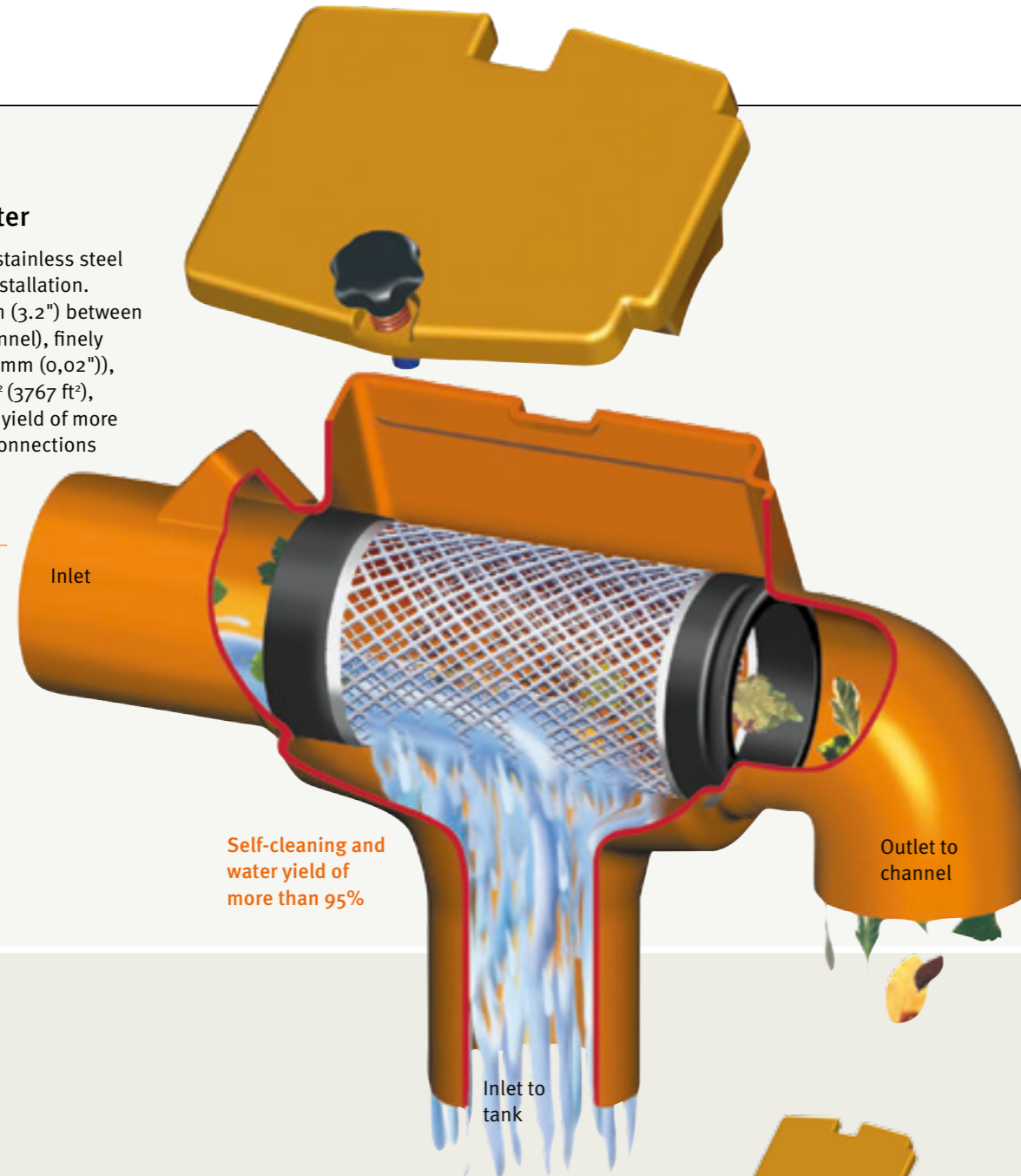
Li-Lo complete package
Home-Premium 7,500 l (1,982 US gal.)

SUPRA filter technology

SUPRA internal filter

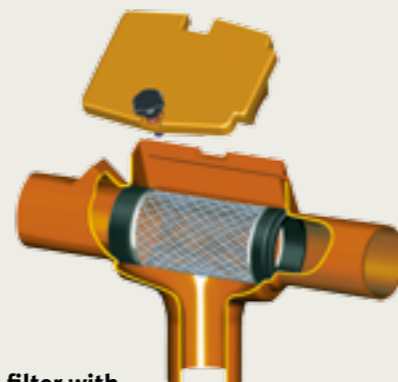
Self-cleaning filter with stainless steel filter insert for in-tank installation. Height offset of just 8 cm (3.2") between the inlet and outlet (channel), finely meshed filtration (Ø 0.5 mm (0,02")), roof surface max. 350 m² (3767 ft²), low-maintenance, water yield of more than 95%, DN 100 (4") connections

SUPRA filter with curved outlet
Order no. 202557



SUPRA external filter

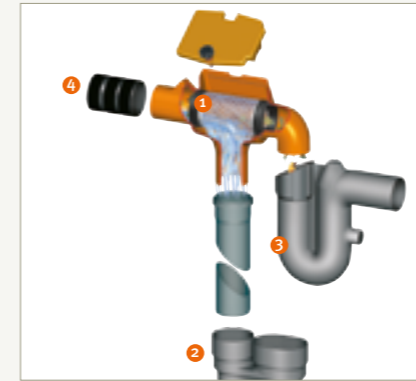
Self-cleaning filter with stainless steel filter insert for fitting in the ground in front of the tank. Height offset of just 1 cm (0.4") between the inlet and outlet (channel). Continuously variable installation depth of 48.5 cm (19") – 95.5 cm (37,6") thanks to telescopic dome shaft, finely meshed filtration (Ø 0.5 mm(0.2")), roof surface max 350 m², low-maintenance, suitable for pedestrian loading, grass-green in colour. Water yield of more than 95% DN 100 (4") connections
Order no. 202558



SUPRA filter with straight outlet

Ideal for retrofitting in existing systems – height offset of just 1 cm (0.4") between the inlet and outlet
Order no. 202559

Filter technology



Underground tank filter package consisting of:

- 1 Self-cleaning SUPRA filter with stainless steel filter insert, mesh width Ø 0.5 mm (0,2"); water yield of more than 95% and height offset of just 8 cm (3.2") (Cristall filter package 1 cm (0.4")), DN 100 (4") connections
- 2 Steady inflow pot
- 3 Overflow siphon with rodent guard
- 4 Patented quick-connection sleeve for pipe-to-pipe connection

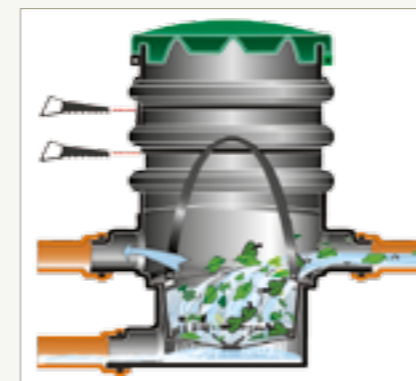
Filter package for Columbus and Li-Lo tank
Water yield of more than 95%
Order no. 202556

Filter package for Cristall and Li-Lo tank
Water yield of more than 95%
Order no. 202569



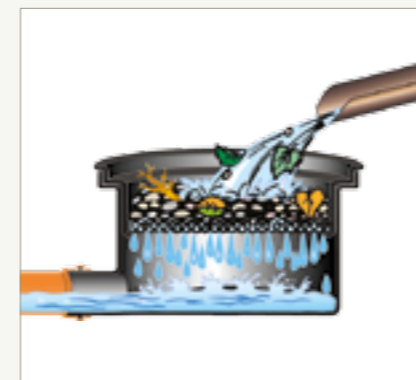
For hanging in tank dome. Finely meshed filtration (Ø 0.35 mm(0.1")), suited to rainwater harvesting in the home. Also ideal for retrofitting existing systems. Crossbar can be adjusted between 47 cm (18,5") and 69 cm (27,2"). Dimensions: Ø 41 cm (16.2"), height 17.5 cm (6.9") Regular maintenance required.

Filter basket
100% water yield
Order no. 202044



Thoroughly removes contaminants from rainwater. With large removable sieve basket incl. lifting fixture. Finely meshed filtration (Ø 0.35 mm (0.01")). Suited to use in the home or as a pre-filter for pond and infiltration systems. Roof surface max. 350 m² (3767 ft²), height 80 cm (31.5"), can be reduced to 55 cm (21,7") in stages of 12.5 cm (4,9"). Regular maintenance required.

Underground fine filter
100% water yield
DN 100 (4")/DN 150 (6") connections
Order no. 340002



For ground-level installation in front of the system. Suitable for watering the garden or as a pre-filter for an infiltration or pond system.
Connection: DN 100 (4")
Dimensions: Ø 50 cm (19.7"), height 34 cm (13.4")
Regular maintenance required.

Filter pot
100% water yield
DN 100 (4") connections
Order no. 340003

Drinking water intake module | Pumps

Fully pre-assembled system control unit for the automated control of your rain-water harvesting system. All consumers (e.g. toilet, washing machine) are supplied automatically.

When the tank is empty, the required amount of drinking water is removed via the integrated drinking water intake container and supplied directly to the point of consumption. Ideal for self-installation.



- 1 DN 70 emergency overflow (side)
- 2 3-way switching valve controlled by a float switch (with a 20 m (65'7") connection cable)
- 3 Integrated drinking water intake container; intake volume approx. 32 l (8.5 US gal.) with integrated float valve
- 4 Pump console
- 5 Efficient, especially quiet Centrifugal pump (only 57 dB(A) with automatic switch, delivery height: 35 m (114'9") = 3.5 bar. Delivery volume: 3,600 l (951 US gal.)/h Motor rating: 0.66 kW Suction length/height: 15 m/3 m (49'/9.8')
- 6 Connection to the drinking water network

Advantages

- High operational safety
- Quick assembly
- Attractive design

Drinking water intake module
Width 61.5 cm (24.2") | **Depth** 40 cm (15.7") | **Height** 60 cm (23.6")
 Order no. 202040



Pump packages



Garden-Jet pump package
 The low-cost complete solution

- Garden-Jet pump 700
- Suction kit with 7 m 1" suction hose
- External water connection box

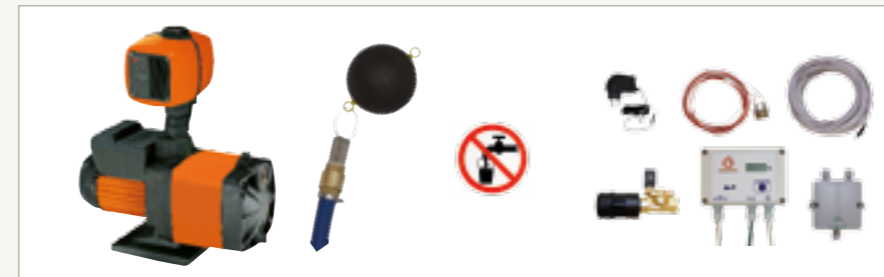
Order no. 202562



Garden-Comfort pump package
 Extremely easy to use thanks to automatic pump control

- Combi-Tauch 1000 submersible pump
- Floating extraction setup
- External water connection box
- 12.5 m 1" pressure hose

Order no. 202561



Home-Classic pump package
 The low-cost complete solution for mains water intake in the home

- Domestic waterworks 4/1000
- Floating extraction setup
- Pump wall console
- Labelling set
- 12.5 m 1" suction hose

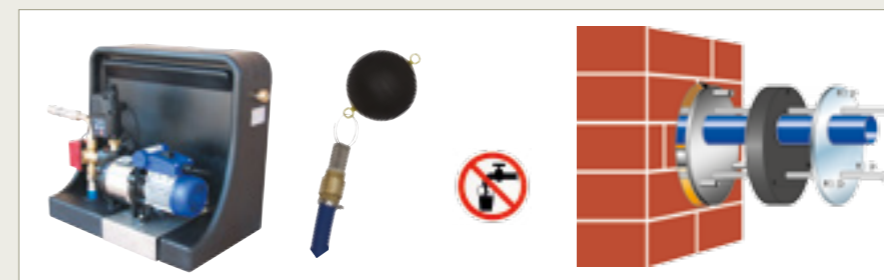
Order no. 202560



Combi-Tauch 1000 submersible pump
 With automatic start-stop mechanism, motor rating 0.9 kW, max. delivery height 36 m (118'), max. pressure 3.6 bar, max. delivery volume 5,600 l (1,480 US gal.)/h, 2-year warranty.
 Order no. 354036



Garden Jet pump
 Self-priming jet pump, motor rating 0.7 kW, max. delivery height 40 m (131'), max. pressure 4.0 bar, max. delivery volume 3,000 l (792 US gal.)/h, max. suction height 8 m (26'), max. suction length 15 m (49'), 2-year warranty.
 Order no. 202011



House-Premium pump package
 Mains water intake in the home

- Mains water intake module
- Floating extraction setup
- DN 100 (4") wall duct
- Labelling set
- 12.5 m 1" suction hose

Order no. 202574

EcoSmart

The central system control

EcoSmart is the smart system control of your rainwater harvesting system. The electronic control unit checks and regulates the entire operation. When the rainwater tank level is low or becomes empty, EcoSmart automatically

switches to mains water supply until the rainwater tank is replenished, when it automatically switches back to rainwater supply. This ensures that a minimum of mains water is used during longer dry periods.

- 1 High-quality, flexible braided steel connecting cables with quick connector
- 2 Energy-saving diaphragm pump
- 3 A pressure compensation tank ensures constant pipe pressure
- 4 Dry suction pump
- 5 Emergency overflow according to EN 1717 and DIN 1988
- 6 Three-way valve to switch between rainwater and mains water
- 7 Control unit includes LED display
- 8 Innovative designed EPP housing
- 9 24 volt multi power supply



✓ Additional second emergency overflow on rear

EcoSmart
Width 43 cm (16.9") | **Depth** 28 cm (11")
Height 39 cm (15.4")
 Order no. 350030

- Very compact housing – only 429 x 394 x 282 mm (w x h x d)
- No electrical parts in the tank
- Can switch to mains water at the push of a button
- Low mains water consumption by supplying only when required
- 24-volt technology, globally compatible (solar capable)
- No initial pump priming
- No floating switch
- Level measurement via evaluation of pump power consumption
- Automatic self calibration
- Tool free plug connections



85% less power consumption

With its diaphragm pump, EcoSmart creates considerable energy savings

Technical data

Properties	
Power rating	90 W
Operating pressure	2.8 bar (41 psi)
Delivery head	28 m (91' 10")
Max. delivery volume	17 l (4.5 US gal.) / min
Max. suction height	5 m (16' 5")
Max. suction length	12 m (39' 4")
Switching power supply input	90–240 V AC / 50–60Hz
Switching power supply output	24 V DC

Mains water	
Volume	3 l (0.8 US gal.)
Manual switchover to mains water possible	•
Permissible mains water supply pressure	4.5 bar (65 psi)
Overflow	according to DIN EN 1717 and DIN 1988
Emergency overflow connection	DN 40 (1.57")

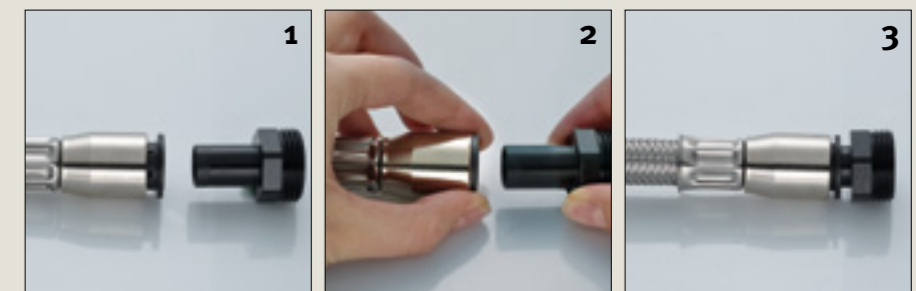
Connections	
Mains water connection	1/2" internal thread
Consumer pressure connection	1/2" internal thread
Rainwater suction connection	3/4" internal thread



Complies with the DIN 1988 and EN 1717 standards



No electrical parts and no switch in the tank



Mains-on-tap®

Mains water top up unit

How does Mains-on-tap® work?

1. Permanent monitoring of your rainwater tank level
2. Upon reaching a critical fill level, the rainwater tank is topped up with a small quantity of mains water.

- Excellent value for money
- Low mains water consumption
- Quick refill (up to 12 l (3 US gal.)/min)
- Extremely small housing – only 218 x 277 x 95 mm (w x h x d)
- Virtually silent operation
- Incorporates AB Air Gap
- Solar capable using 12-volt technology
- No calibration required
- Tool free plug connections

- 1 Compact EPP housing
- 2 Quick refill (up to 12 l (3 US gal.)/min.)
- 3 High-quality solenoid valve – durable and extremely quiet
- 4 High-quality connection with quick connector
- 5 Emergency overflow according to EN 1717 and DIN 1988
- 6 Outflow pipe to tank



Complies with the DIN 1988 and EN 1717 standards



Mains-on-tap®
Width 22 cm (8.7")
Depth 95 cm (37.4")
Height 28 cm (11")
 Order no. 350020

✓ Incorporates type AB Air Gap

Technical data

Properties	
Switching power supply input	100–240 V AC / 50–60Hz
Switching power supply output	12 V DC
Mains water supply	
Feed Volume	up to 12 l (3.2 US gal.)/min.
Permissible mains water supply pressure	4,5 bar (65 psi)
Overflow	according to DIN EN 1717 and DIN 1988
Emergency overflow connection	21.5 mm (0.8")
Connections	
Mains water connection	15 mm (0.6") quick connection
Feed pipe to tank	36 mm (1.4")
Overflow	21.5 mm (0.8")

Accessories



Mains water intake

Controls needs-based intake when the rainwater tank is empty; with integrated level indicator (as %).
 Scope of supply: same as level indicator plus DN 1988 solenoid valve.
 Order no. 202039



Floating extraction setup

Extracts the water just below the surface – at the point where it is cleanest. With float ball, fine filter, non-return valve Ø (1") and suction hose, 3 m (9' 10").
 Order no. 333014



Garden suction kit

Suction line with filter and non-return valve, 4 m (13') long. Only suited to use in the garden.
 Order no. 355012



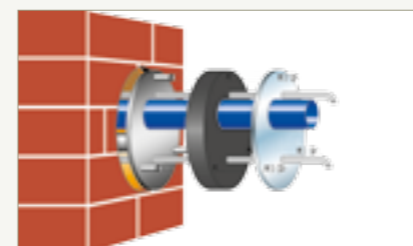
Overflow siphon DN 100 (4")

As tank overflow. With odour trap and chamfered edge – suction effect removes floating particles. Incl. stainless steel rodent guard.
 Order no. 331004



Labelling set

To label rainwater lines.
 Order no. 330122



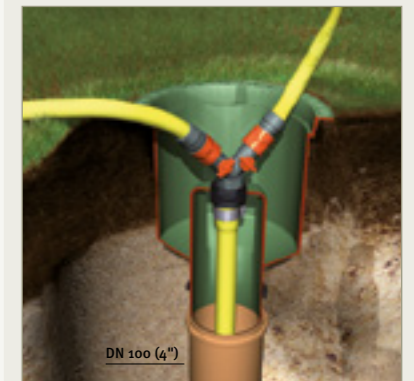
Wall duct

For safe feeding of supply lines through a wall. To feed through, 1 each of Ø 8 mm (0.3"), Ø 12 mm (0.5") and Ø 41 mm (1.6"). Wall duct Ø 100 mm (3.9").
 Order no. 331002

Level indicator

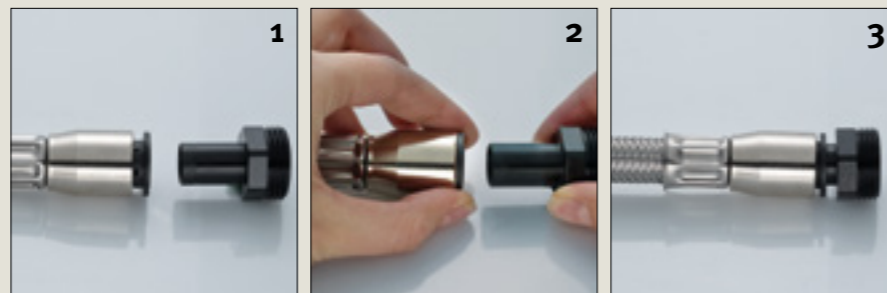
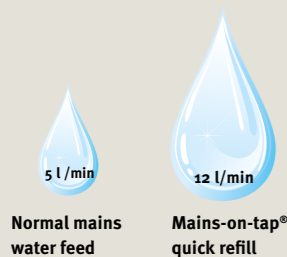
Shows the level in the tank; displayed as percentage. Scope of supply: indicator, 20 m (65' 7") cable to the tank, sensor system, mains connection. (Similar to picture)
 Order no. 202038

External water hose connection box



For the convenient extraction of rainwater in your garden. With an automatic switching pump, water is available on demand. Including 2-way valve for a commercially available hose coupling; Ø 280 mm (11"), height: 34 cm (13.4"); water intake: hose connection 25 mm (1").
 Order no. 202060

Tip
 Granit water extraction unit dark granite, Order no. 356025
 For details please see page 28



Herkules tank

Hammers down prices



Rainwater storage tank

The Herkules tank can be used as an above-ground, underground and cellar tank. The tank can be assembled in a matter of minutes by putting the two half shells together. The volume can be increased by listing tanks together.

European Patent 0870877
US Patent 5878907

Technical data

Volume 1,600 l (422 US gal.)
Ø 135 cm (53.2")
Height 160 cm (5'3")
Weight 60 kg (132.3 lbs)

Preformed connections

2 x DN 70 (2.8"), 2 x DN 100 (4") and
2 x DN 200 (8") suited to standard
high-temperature / wastewater pipes.

Herkules tank

1,600 l (422 US gal.)
Can be extended in any way.
Order no. 320001

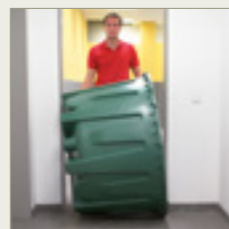


The Herkules tank offers you practical benefits

Easy to transport



Fit through any door
(80 cm (31.5"))



Stackable

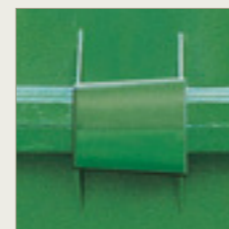


Can be extended in
any way

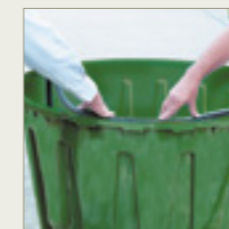


The Herkules tank is easy to assemble

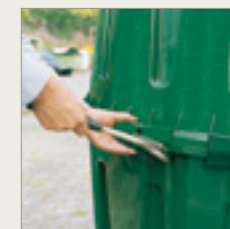
Patented quick
connection



Insert seal



Fit patented
connection



Permanently sealed



Herkules tank

Can be used in 3 ways!

Application example



Above-ground

You can easily install the Herkules tank in your garden.



Downpipe filter for outstanding water quality

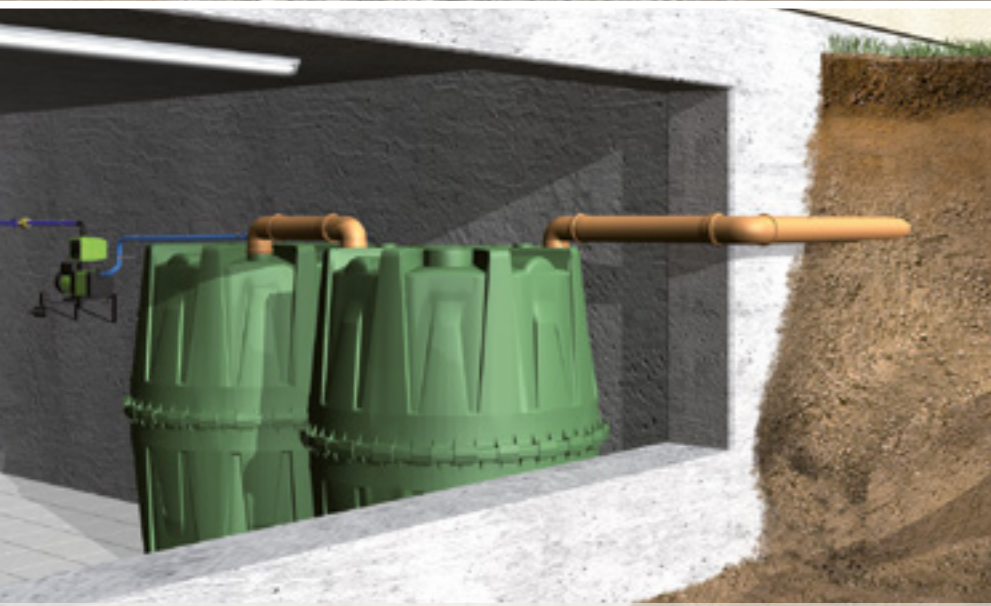


Underground

Using the accessories, the Herkules tank can also be installed underground. The tank can be installed in groundwater up to the top of the tank.



The convenient way of extracting rainwater in the garden



As a cellar tank

You can also install the Herkules tank in your cellar. The two half shells of the tank can fit through standard-sized doors of more than 80 cm (31.5").



For underground installation, you will require:

- ✓ Tank dome DN 200 (8")
- ✓ Support pipe
- ✓ Extension set if several tanks are used

Accessories Herkules-Tank	Order no.
Extension kit DN 70 (2.8") for Herkules-Tank (hole cutter extra)*	202029
Extension kit DN 100 (4") for Herkules-Tank (hole cutter extra)*	202028
Hole cutter DN 70 (2.8")	202002
Hole cutter DN 100 (4")	202003
Access riser pipe DN 200 (8") with telescopic hatch	322026
Support pipe for underground installation DN 150 (6")	322014
Intake float (hose extra) 1"	330054

*Extension set comprising 2 x special gaskets
Connection pipes: commercially available DN 70 (2.8") or DN 100 (4") sewage pipes, to be provided on site!



Brass tap

With tank screw, connection 3/4" size
Order no. 330044



Regendieb Pro

Self-cleaning, low maintenance downpipe filter in a slim version
grey Order no. 344202
brown Order no. 344203



Hose connection socket

The convenient way of extracting rainwater in the garden. You can extract water when you need it using a pump that switches on and off automatically. Including 2-way valve for standard hose coupling, Ø of 28 cm (11"), height 34 cm (13.4"), water supply: 1" hose connection
Order no. 202060

Water extraction and stone fountains

Practical and stylish



Granit water extraction unit
light granite, order no. 356026



Rondo water extraction unit
stone grey, order no. 356021

Water extraction

- Including chrome water tap 19 mm (3/4").
- Option of connecting from below using 19 mm (3/4") hose connection.
- Simple installation – holes already in base.
- Particularly UV-stable and weather-resistant

Granit water extraction unit

Height 100 cm (39.4")
Column 13 x 13 cm (5.1 x 5.1")
Base 25 x 25 cm (9.8 x 9.8")
Weight 5 kg (11 lbs)
dark granite order no. 356025
light granite order no. 356026

Rondo water extraction unit

Ø Column 12 cm (4.7")
Height basin 19 cm (7.5")
Height 90 cm (35.4")
Weight 3 kg (6.6 lbs)
stone grey order no. 356021

Wood water extraction unit

Height 100 cm (39.4")
Column 13 x 13 cm (5.1 x 5.1")
Base 25 x 25 cm (9.8 x 9.8")
Weight 5 kg (11 lbs)
darkwood order no. 356030
lightwood order no. 356031



Stone fountains

- Includes 19 mm (3/4") nostalgic tap for conveniently accessing water.
- Options for connecting from below using 19 mm (3/4") hose connection.
- Particularly UV-stable and weather-resistant
- Pre-assembled and ready for connection

Stone fountain Venezia

Height 90 cm (35.4") | **Width** 44 cm (17.3")
Depth 52 cm (20.5")
Height basin 15 cm (6")
Weight 8 kg (17.6 lbs)
light granite order no. 356100
redstone order no. 356102

Stone fountain Roma

Height 100 cm (39.4") | **Width** 54 cm (21.2")
Depth 54 cm (21.2")
Height basin 25 cm (9.8")
Weight 10 kg (22 lbs)
light granite order no. 356101
redstone order no. 356103



Wood water extraction unit
lightwood, order no. 356031



Stone fountain Roma
light granite, order no. 356101

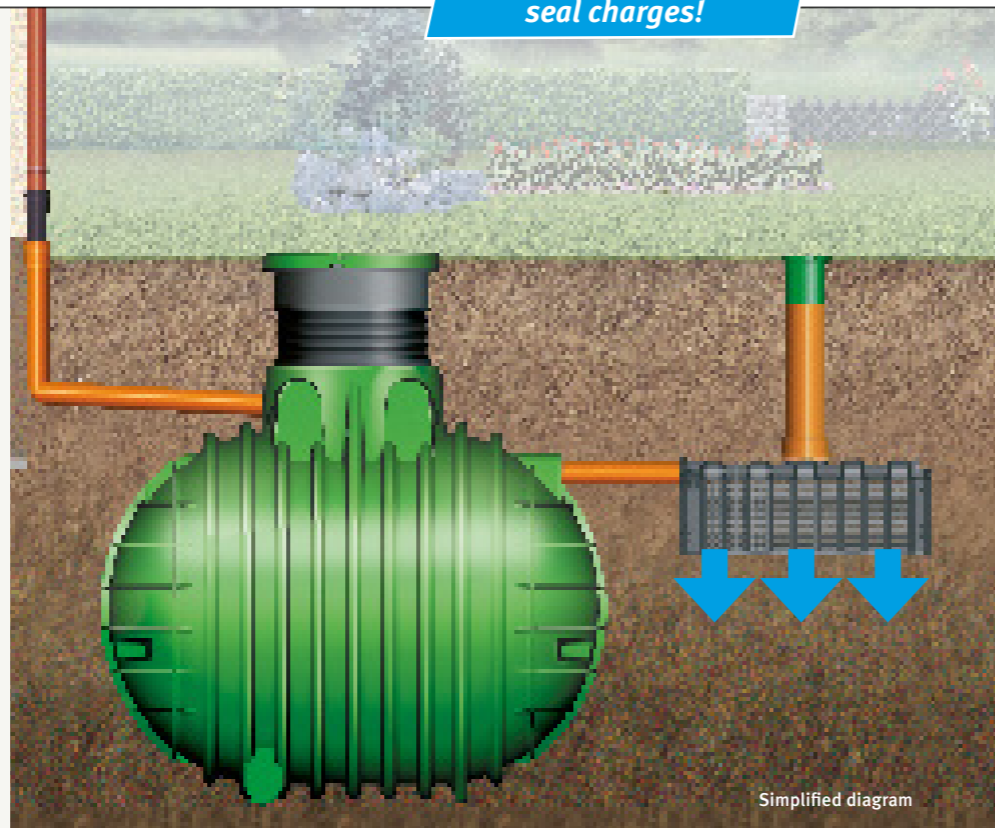
TIP
Ideal as an additional extraction point for rainwater harvesting systems

Infiltration and retention of rainwater

Now you can save on seal charges!

Frequent flooding

Rainwater infiltration is an increasingly important topic. Towns and communities are increasing water rates and are calling for local on-site infiltration for new builds. GARANTIA infiltration tunnels are the ideal solution for do-it-yourself installation, as they can be installed without heavy devices. The GARANTIA infiltration tunnel has a storage volume that is three times greater than a standard gravel infiltration ditch and therefore replaces approx. 800 kg (1763 lbs) of gravel or a 36 m (188') DN 100 (4") drainage pipe. The system, which consists of one or more tunnel modules and two end plates, can be sized as required. It is laid on one level.



Simplified diagram

Benefits

- High infiltration capacity thanks to 3-dimensional through flow
- Easily extendable. For detached houses, apartment buildings or businesses
- Ideal for do-it-yourself installation – weighs just 10 kg (22 lbs)

- DN 100 (4") and DN 200 (8") connections for inspection shaft



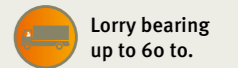
- Maximum infiltration capacity thanks to slats on the sides

- Entire base area open for high infiltration capacity

Technical data for infiltration tunnel

Volume: 300 l (79 US gal.)
Load capacity: Suitable for HGV loading (up to 60 t)
Installation window:
 min. earth covering 25 cm (9.8")
 max. earth covering 375 cm (1'2")
 max. installation depth 425 cm (1'4")

Material: Recycled PP
Dimensions (LxWxH): 116 x 80 x 51 cm (45.7" x 31.5" x 20.1")
Weight: approx. 10 kg (22 lbs)
Connections front side: DN 100, 150, 200 and 300 (4", 6", 8" and 12")
Connections top: DN 100 (4"), 200 (8")



Infiltration tunnel
 300 l (79.2 US gal.)
 Order no. 230010

End plate for infiltration tunnel
 Kit | Pair
 Order no. 231004

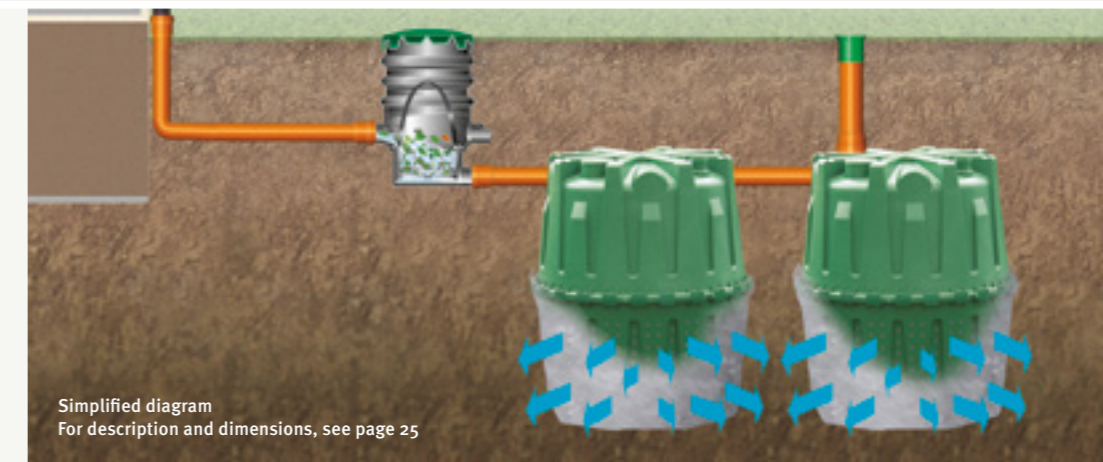
Sizing in accordance to national standards (DWA-A 138, CIRIA). Values for 150 l (40 US gal.) (ha/sec.)

Soil type Kt value	Connectable surface	Number of Infiltration tunnels	Connectable surface	Number of Infiltration tunnels
Gravel/10 ³	150 m ² (1615 ft ²)	4	300 m ² (3229 ft ²)	7
Medium sand/10 ⁴	150 m ² (1615 ft ²)	8	300 m ² (3229 ft ²)	15
Fine sand/10 ⁵	150 m ² (1615 ft ²)	14	300 m ² (3229 ft ²)	27
Silt/10 ⁶	150 m ² (1615 ft ²)	18	300 m ² (3229 ft ²)	35

Herkules infiltration tank
 1,600 l (422 US gal.)
 Geotextile (Accessories) required. Incl. support pipe
 Order no. 200201

Graf-Tex geotextile
 5.0 m x 4.0 m (20m²)
 Order no. 369015

Figure shows Herkules infiltration tank with external underground fine filter and tank dome



Simplified diagram
 For description and dimensions, see page 25

Infiltration tunnel set

Incl. 2 end plates, deaeration end and geotextile

Volume	Length	Width	Height	Weight	Order no.
300 l (79,2 US gal.)	122 cm (48")	80 cm (31.5")	51 cm (20")	10 kg (22 lbs)	230023
600 l (158,5 US gal.)	238 cm (7'9")	80 cm (31.5")	51 cm (20")	20 kg (44 lbs)	230020
900 l (237,8 US gal.)	354 cm (11'7")	80 cm (31.5")	51 cm (20")	30 kg (66 lbs)	230024
1,200 l (317 US gal.)	470 cm (15'5")	80 cm (31.5")	51 cm (20")	40 kg (88 lbs)	230021
1,800 l (475,6 US gal.)	702 cm (23')	80 cm (31.5")	51 cm (20")	60 kg (132 lbs)	230022

Accessories

Geotextile
 for one infiltration tunnel
Width 2.5 cm (8'2")
Length 2.5 cm (8'2")
 Order no. 231006

Geotextile
 for infiltration tunnel
 Material sold by the metre, roll width 5 m (15.2')
 Order no. 231002

Deaeration end
DN 100 (4")
 so that the air can escape when the infiltration system is being filled
 Order no. 369017

Tank dome DN 200 (8")
 (with telescopic end 1 m (3.3') to be cut on demand)
 Order no. 322026

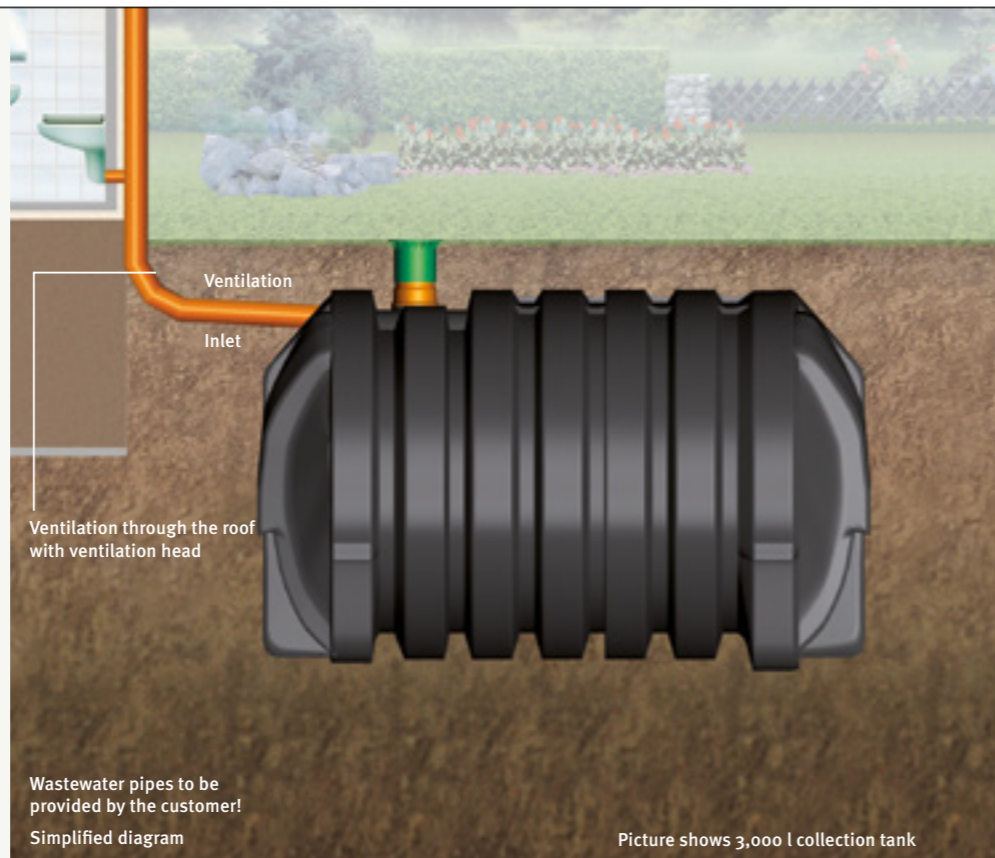
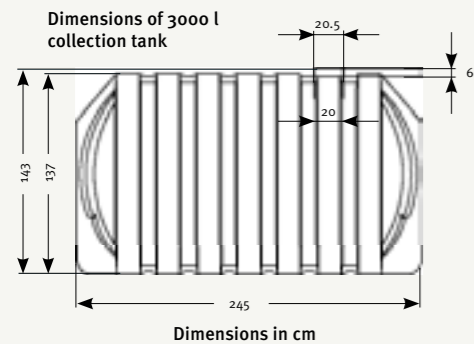
Underground fine filter
 100% water yield
 Connections DN 100 (4"), DN 150 (6")
 Order no. 340002

Sewage collection tanks

From 1,600 l (422 US gal.)

Monolithic collection tanks

- Produced in one piece without seams
- Stable version
- Easy to install thanks to low weight
- Easily extendable
- The tank can also be used as a rain-water collection tank once it has been cleaned

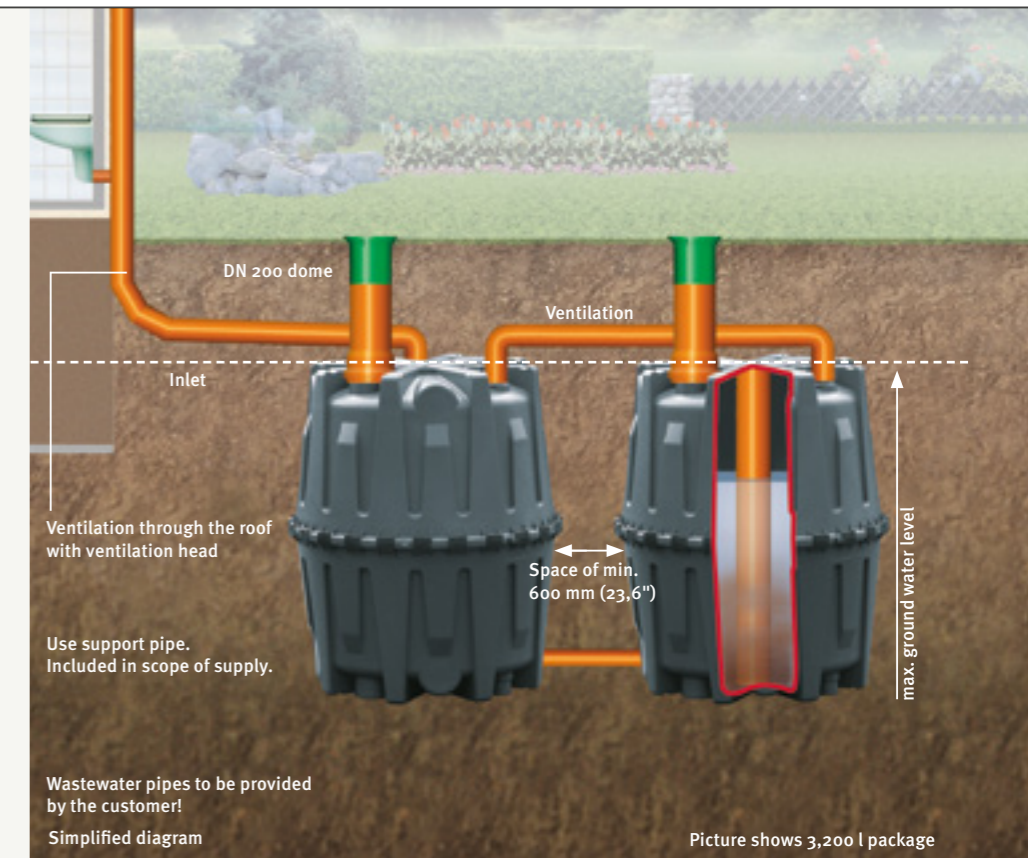
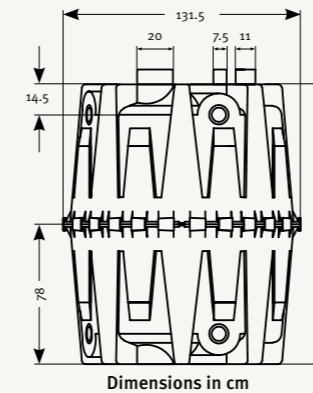


Herkules sewage collection tank

From 1,600 l (422 US gal.), groundwater-stable

The low-cost solution for small gardens

- Tank can be installed in groundwater up to the top of the tank
- Easy installation: each half shell weighs just 30 kg (66.1 lbs)
- Tank can be assembled quickly with profile seal thanks to quick connectors



Cristall collection tank*

1,600 l (422 US gal.)
incl. telescopic dome shaft and PE cover
Order no. 102030



Cristall collection tank*

2,650 l (700 US gal.)
incl. telescopic dome shaft and PE cover
Order no. 102031



3,000 l collection tank

incl. DN 200 (8") tank dome with telescopic connection. DIBt approval Z-40.24-215
Order no. 102016



Columbus collection tank*

3,700 l (977 US gal.)
incl. telescopic dome shaft and PE cover
Order no. 102032



Columbus collection tank*

4,500 l (1,188 US gal.)
incl. telescopic dome shaft and PE cover
Order no. 102033

Columbus collection tank*

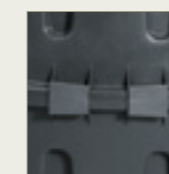
6,500 l (1,717 US gal.)
incl. telescopic dome shaft and PE cover
Order no. 102034

Make use of these benefits!



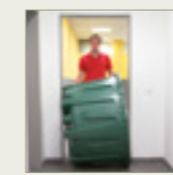
Easy to transport

The tank is easy to transport and install by hand, as each half of the tank weighs approx. 30 kg (66.1 lbs).



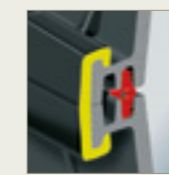
Easy and quick to assemble

The tank halves can be put together in a matter of minutes using 24 quick connectors and no screws.



Can fit through any door

The two halves of the tank can fit through standard-sized doors (80 cm (31.5"))



Permanently sealed

The Herkules tank remains permanently sealed thanks to its solid profile seal (red section) and the quick connectors (yellow section).

Herkules sewage collection tank 1,600 l (422 US gal.), green

incl. support pipe
Order no. 100001

Herkules sewage collection tank 1,600 l (422 US gal.), black

Incl. support pipe, DIBt-approved Z-40.24-217
Order no. 100010



Accessories



Overflow monitor

emits a visual and acoustic signal to indicate that the max. level will soon be reached. Sensor part sits in the tank, battery-operated, 6V, AA battery, (not in scope of supply); 20 m cable
Order no. 351017

Accessories



Deaeration end

so that the air can escape when the collection tank is being filled
Order no. 369017



Tank dome DN 200 (8")
(with telescopic end 1 m (3.3') to be cut on demand)
Order no. 322026

apple

COLOR YOUR HOME



You'll find above-ground rainwater tanks in our GARANTIA catalogue, "Harvest rainwater in style".



Downpipe Filters



Rocky wall tank



Antique amphora



Barrica rain water barrel



2in1 water tank



Multi-purpose round container TONI



Eco-King



Rapid Composter



Bio-waste bucket



Multi-purpose container



You'll find compost bins in our GARANTIA catalogue "The Garden Range".



Composting Save real money

Thermo-Star

- Thermo walls and ventilation slots provide ideal climate for accelerated composting
- Modular system: Thermo-Star 400 l (106 US gal.) can be extended to 600 l (158 US gal.) or 1,000 l (264 US gal.)
- Installation: without tools, by means of practical hinge system
- Removal: possible on every side of the composter
- Filling: through lid integrated in the cover
- Long service life: UV- and weather-resistant
- Available in the sizes 400 l (106 US gal.), 600 l (158 US gal.) and 1,000 l (264 US gal.)
- 100% recycled polypropylene (postconsumer PP)

Volume	Length	Width	Height	green Order no.	green Order no. [lid]
400 l (106 US gal.)	80 cm (31.5")	80 cm (31.5")	102 cm (40.2")	600524	600522
600 l (158 US gal.)	110 cm (43.3")	110 cm (43.3")	102 cm (40.2")	600525	600523
1,000 l (264 US gal.)	130 cm (51.2")	130 cm (51.2")	102 cm (40.2")	600531	600530

GARANTIA® – quality products for your home and garden



GARANTIA catalogue, "Rainwater Harvesting underground tanks".



You'll find above-ground rainwater tanks in our GARANTIA catalogue, "Rainwater Harvesting in Style".



GARANTIA catalogue, "The garden range".

Warranty clause: The warranty mentioned in this brochure only refers to the tank in question and not to the accessories. Within the warranty period we grant free replacement of the material. Further benefits are excluded. Pre-condition for warranty benefits are proper handling, assembly and installation according to the mounting guidelines.

For all indications of measurements in this brochure we reserve a tolerance of +/- 3%. The useful volume of the tanks may be up to 10% lower than the tank capacity, depending on the connecting option.

Technical modifications and further development of the different products are subject to change. Errors excepted.

For all our offers and conclusions of contract, only our General Terms and Conditions of Business dated 01/10/2012 shall apply, which we will send to you on request.



www.garantia.eu
info@garantia.eu

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**Otto Graf GmbH
Kunststoffzeugnisse
Carl-Zeiss-Straße 2–6
DE-79331 Teningen**

Tel.: +49 7641 589-0
Fax: +49 7641 589-50

Recommended by: