



# Rainwater harvesting



## Tank systems



# What does 4rain offer?



## Find solutions

- ✓ Different product-solutions for rainwater-management.

## Make a choice

- ✓ Big choice of long-lasting underground tanks, all made for frostproof installation.

## Good to know

- ✓ All 4rain-tanks can also get used as cesspools or septic tanks.

	Product	page	Good litre price (€/l)	Low-cost installation	Ease of handling
Rainwater harvesting	<b>Flat</b> <i>The perfect DIY tank</i> 	6	★ ★ ☆	★ ★ ★	★ ★ ★
	<b>Modularis</b> <i>Lots of litres for little money</i> 	14	★ ★ ★	★ ★ ☆	★ ★ ★
	<b>Compact</b> <i>The low-cost garden solution</i> 	18	★ ★ ★	★ ★ ★	★ ★ ★
	<b>Mono</b> <i>The tank for special needs</i> 	20	★ ☆ ☆	★ ★ ☆	★ ☆ ☆
	<b>Herkules</b> <i>The real, flexible bargain</i> 	24	★ ★ ★	★ ★ ☆	★ ★ ☆
Retention	<b>Mono Retention &amp; Retention Plus</b> 	28	★ ☆ ☆	★ ★ ☆	★ ☆ ☆
Infiltration	<b>Infiltration tunnel</b> <i>The optimal addition to your rainwater tank</i> 	30	★ ★ ★	★ ★ ★	★ ★ ★

## Durable products from yearlong experience

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

# Invest once, and save up to 50% of mains water!



### Harvest rainwater – save drinking water

Not all household applications require drinking water quality. With little effort, groundwater resources can be preserved and energy consumption for

mains water treatment can be reduced. rain 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!

### Save money

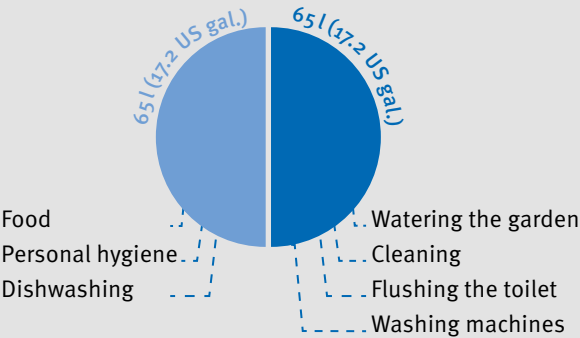
Rainwater can replace 50% of daily water needs. A rainwater harvesting system can therefore help a household to save money.

## Save up to 50% of mains water costs

Average daily water consumption per person in Germany (approx 130 l (34.3 US gal.))

Mains water required

Potential replacement with rainwater

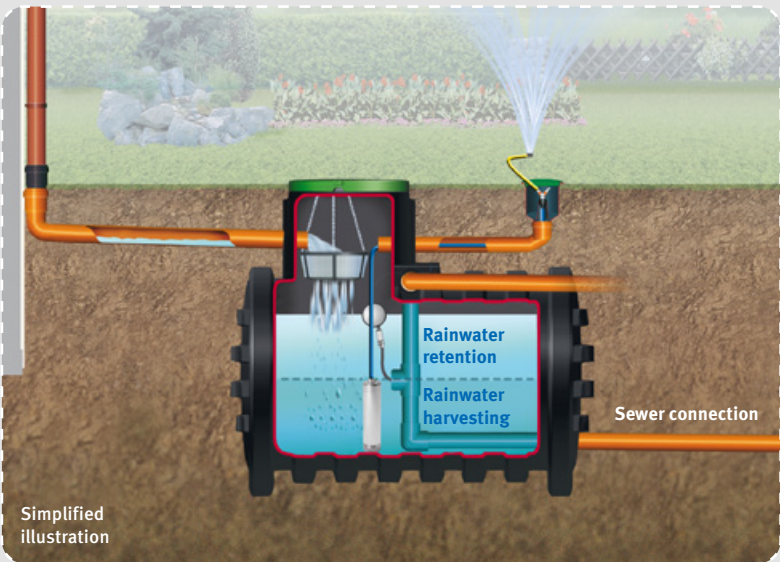


## How big should my tank be?

Garden size		Watering gardens		
		100 m² (1076 ft²)	200 m² (2453 ft²)	300 m² (3229 ft²)
Use in the home	0	approx 1,200 l (320 US gal.)	approx 2,300 l (610 US gal.)	approx 3,500 l (930 US gal.)
	2	approx 3,600 l (950 US gal.)	approx 4,800 l (1,270 US gal.)	approx 5,900 l (1,560 US gal.)
	4	approx 6,100 l (1,610 US gal.)	approx 7,200 l (1,900 US gal.)	approx 8,400 l (2,220 US gal.)
	6	approx 8,600 l (2,270 US gal.)	approx 9,700 l (2,560 US gal.)	approx 10,900 l (2,880 US gal.)



Retention & Retention Plus



	Retention	Retention Plus
Rainwater retention	✓	✓
Rainwater harvesting		✓

**4rain retention tanks**

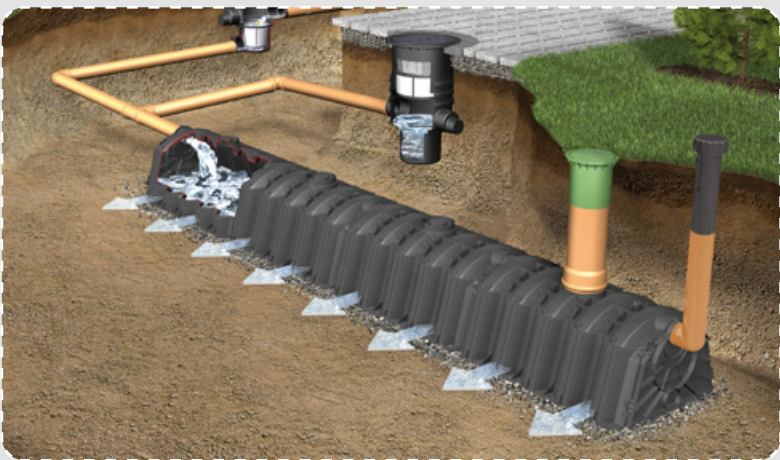
A retention tank collects rainwater and discharges it into the sewer system at a controlled rate. This reduces the burden on drains during periods of rainfall. A so-called infiltration choke drain controls the flow of water into the sewers at 0.05–2 l/s. The water level in the tank rises temporarily during heavy rainfall and falls at the set rate during, and after the rain stops. 4rain retention tanks are also equipped with an emergency overflow to prevent the tank from overflowing.

**4rain retention tanks Plus**

You want to install a retention tank, but don’t want to sacrifice the advantages of rainwater harvesting? The 4rain retention tank Plus is a combination of rainwater retention and rainwater harvesting. A larger tank is selected according to the requirements, allowing some of the rainwater to be used in addition to the required retention volume.

More on retention on page 28

Infiltration



**Infiltration of rainwater**

The infiltration of rainwater is gaining in importance.

4rain infiltration modules have a storage capacity three times greater than a conventional ditch. The savings in excavation work as well as the good value for money compared with a conventional gravel ditch help you to save money!

More on infiltration on page 30

# Fast delivery, simple installation

## Simply FLAT!

1

### Ease of handling

Compact size - our FLAT S fits through every door



2

### Preparing the trench

Flat design, less excavation work



5

### Assembling the tank dome

Tank dome turnable through 360° and shortenable



6

### Filling the trench

Little work means time





3

Transporting to the trench

Tank weight only 80 kg, easy handling



4

Placing in the pit

No heavy equipment needed, lower costs



7

Self installed and costs saved

e savings



# Flat tank system

## The perfect DIY tank

Shortening range:  
400 mm (15.7") to  
780 mm (30.7")



Flat design for mini-  
mised excavated earth  
and low-cost installation



Prefitted sealings  
ready for connection



Low weight of only 80 kg  
(176.3 lbs) for ease of  
handling into the pit



Incl. tank dome  
system for frostproof  
installations

## Additional quality characteristics



Dome shaft can be turned through  
360° for variable, simple installa-  
tion



Tank cover childproof and suitable  
for pedestrian loading



100% recyclable material



Dome shaft can get shortened for  
easy adaptations to the top edge of  
the ground



Plug-in system for any number of  
extensions



Monolithic, seamless tank, one  
piece



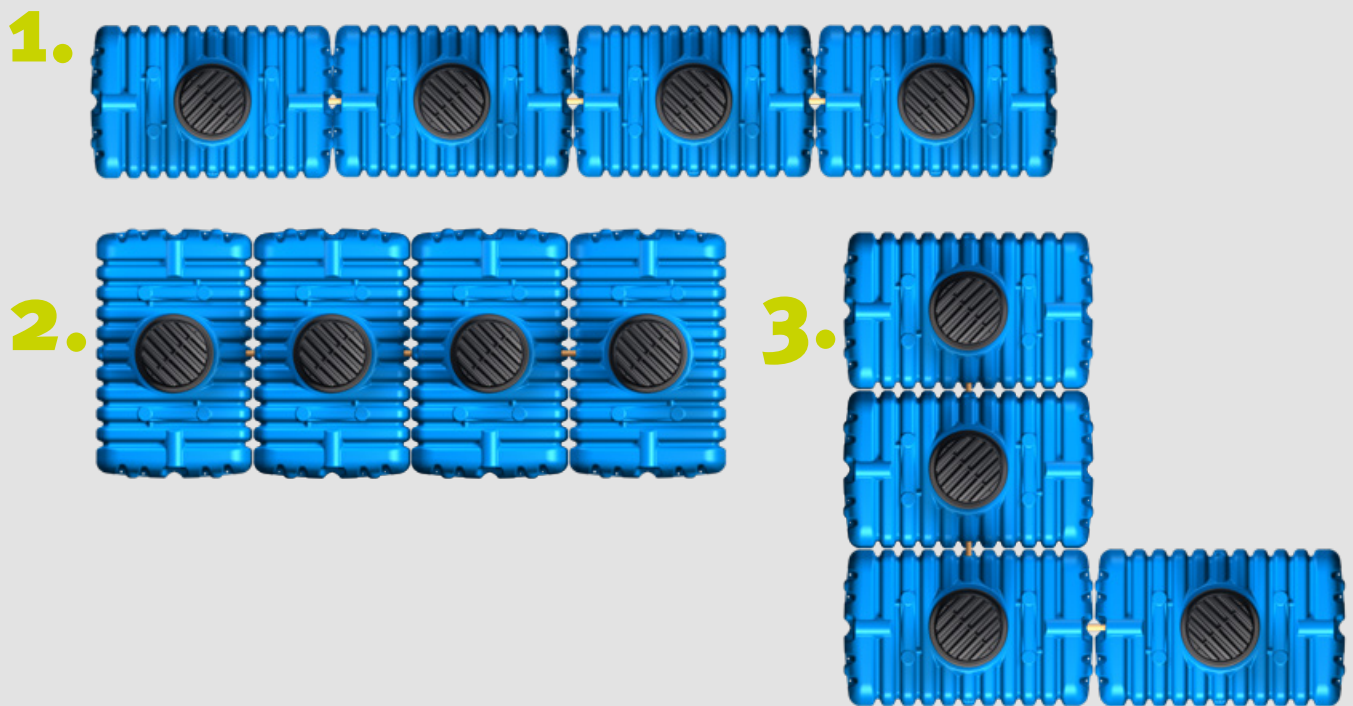
Tank system sealed against  
soakage



## Flexible installation

- ✓ Fits anywhere and everywhere – tank system for flexible installations
- ✓ Large storage capacities can be self-installed easily and at low cost
- ✓ Plug-in system tried and tested 100,000 times
- ✓ Connections for inlets, overflows, filters, and pump installations can be installed on every tank

## Installation variants



# Flat tank system

## Available tank sizes

**TAKE THIS PRECAUTION NOW**  
Next summer is going to be a dry one!



**FLAT S Flat tank**

Volume	Length	Width	Height	Order no.
1,500 l (397 US gal.)	2100 mm (6'10")	1320 mm (4'4")	750 mm (29.5")	295120

Volume	Tank set consisting of	Length	Width	Height	Order no.
3,000 l (set)* (793 US gal.)	2 x 1,500 l 2 x 397 US gal	2100 mm (6'10")	2640 mm (8'7")	750 mm (29.5")	295121
4,500 l (set)* (1,189 US gal.)	3 x 1,500 l 3 x 397 US gal	2100 mm (6'10")	3960 mm (12'11")	750 mm (29.5")	295122
6,000 l (set)* (1,585 US gal.)	4 x 1,500 l 4 x 397 US gal	2100 mm (6'10")	5280 mm (17'3")	750 mm (29.5")	295123



**FLAT M Flat tank**

Volume	Length	Width	Height	Order no.
3,000 l (793 US gal.)	2450 mm (8')	1600 mm (5'3")	1070 mm (3'6")	295115

Volume	Tank set consisting of	Length	Width	Height	Order no.
6,000 l (set)* (1,585 US gal.)	2 x 3,000 l 2 x 793 US gal	2450 mm (8')	3200 mm (10'6")	1070 mm (3'6")	295116
9,000 l (set)* (2,377 US gal.)	3 x 3,000 l 3 x 793 US gal	2450 mm (8')	4800 mm (15'9")	1070 mm (3'6")	295117
12,000 l (set)* (3,170 US gal.)	4 x 3,000 l 4 x 793 US gal	2450 mm (8')	6400 mm (20'12")	1070 mm (3'6")	295118



**FLAT L Flat tank**

Volume	Length	Width	Height	Order no.
5,000 l (1,320 US gal.)	2450 mm (8')	2100 mm (6'10")	1340 mm (4'4")	295126

Volume	Tank set consisting of	Length	Width	Height	Order no.
10,000 l (set)* (2,641 US gal.)	2 x 5,000 l 2 x 1,320 US gal.	2450 mm (8')	4200 mm (13'9")	1340 mm (4'4")	295127
15,000 l (set)* (3,962 US gal.)	3 x 5,000 l 3 x 1,320 US gal.	2450 mm (8')	6300 mm (20'8")	1340 mm (4'4")	295128
20,000 l (set)* (5,283 US gal.)	4 x 5,000 l 4 x 1,320 US gal.	2450 mm (8')	8400 mm (27'6")	1340 mm (4'4")	295129

\* incl. connecting set(s)



## How the tank is delivered!

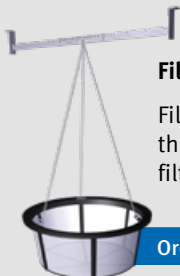


### Scope of supply

- Flat tank system with one connecting hole and integrated DN 100 (4") sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover
- Connecting set incl. drill (from 3,000 l (793 US gal.))



## Recommended accessories



### Filter package 1

Filter basket for hanging in the tank dome. Fine-mesh filtration, incl. crossbar.

Order no. 202044

## Practical unloading aid

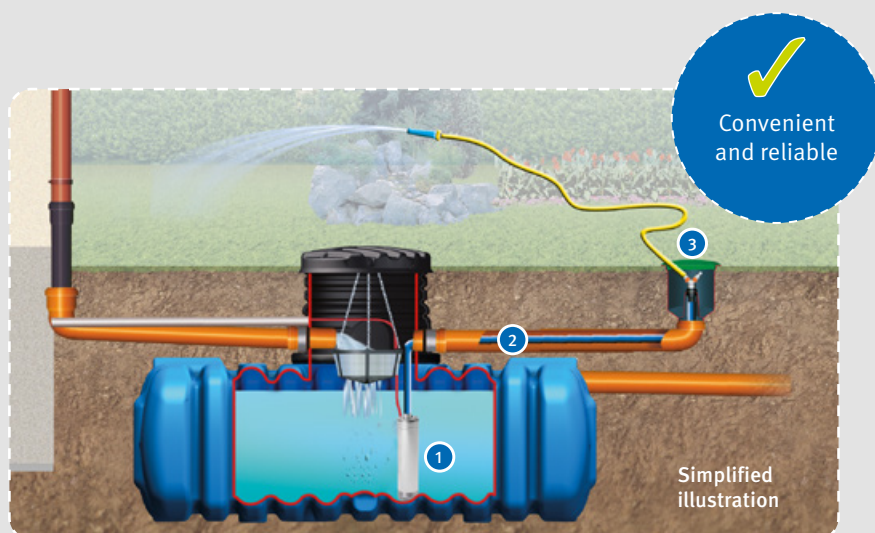
### FLAT L flat tank 5,000 l

Tank can be moved easily with digger or crane thanks to integrated crane eyes.



# Complete Flat packages

## Garden-Comfort



- ✓ Draw water like electricity from a power socket
- ✓ The submersible pump with integrated control offers you the greatest ease of operation (pump switches on and off automatically)
- ✓ Convenient water extraction via water socket (compatible with standard hose coupling)

### Scope of supply

- FLAT tank system with one connecting hole and integrated DN 100 (4") sealing
- Shaft extension with two connecting holes and integrated sealings per tank
- Childproof tank cover per tank
- Filter package 1 (page 11)
- Garden-Comfort pump package (page 27)
  - ① Submersible pressure pump
  - ② 10 m pressure hose 25 mm (1") in diameter
  - ③ Water socket



with combinable infiltration set (page 31)

### FLAT S Complete Flat packages Garden-Comfort

Volume	Tank set consisting of	Order no.
1,500 l (397 US gal.)	–	295130
3,000 l (793 US gal.)*	2 x 1,500 l (2 x 397 US gal.)	295131
4,500 l (1,189 US gal.)*	3 x 1,500 l (2 x 397 US gal.)	295132
6,000 l (1,585 US gal.)*	4 x 1,500 l (2 x 397 US gal.)	295133



### FLAT M Complete Flat packages Garden-Comfort

Volume	Tank set consisting of	Order no.
3,000 l (793 US gal.)	–	295136
6,000 l (1,585 US gal.)*	2 x 3,000 l (2 x 793 US gal.)	295137
9,000 l (2,378 US gal.)*	3 x 3,000 l (3 x 793 US gal.)	295138
12,000 l (3,170 US gal.)*	4 x 3,000 l (4 x 793 US gal.)	295139



### FLAT L Complete Flat packages Garden-Comfort

Volume	Tank set consisting of	Order no.Nr.
5,000 l (1,320 US gal.)	–	295153
10,000 l* (2,641 US gal.)*	2 x 5,000 l (2 x 1,320 US gal.)	295154
15,000 l* (3,962 US gal.)*	3 x 5,000 l (3 x 1,320 US gal.)	295155
20,000 l* (5,283 US gal.)*	4 x 5,000 l (4 x 1,320 US gal.)	295156

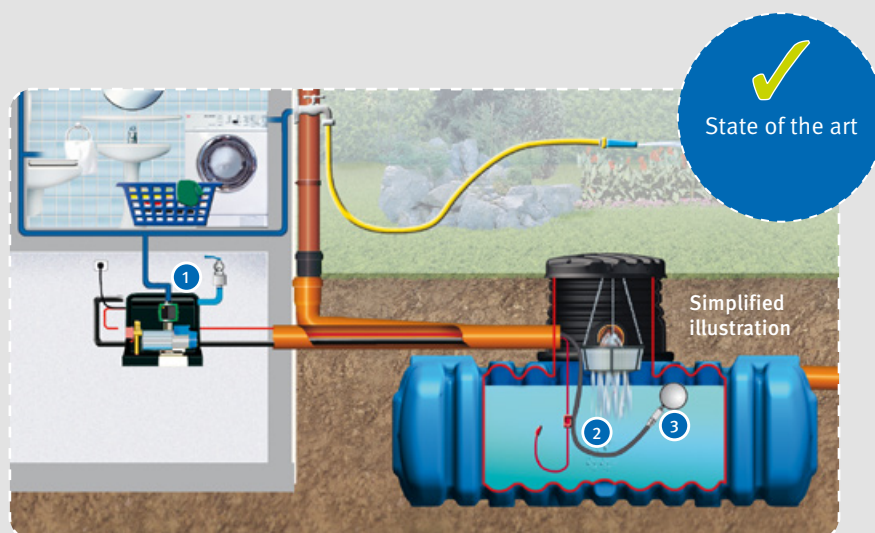


\* incl. connecting set(s)



# Complete Flat packages

## Home-Premium



- ✓ Only two basic components need to be installed – ideal for self installations
- ✓ An empty tank activates an internal process that transfers the required quantity of drinking water to the service water mains
- ✓ High quality drinking water intake module with quiet-running brand centrifugal pump

### Scope of supply

- Flat tank system with one connecting hole and integrated sealing
- Shaft extension with two connecting holes and integrated sealings per tank
- Childproof tank cover per tank
- Filter package 1 (page 11)
- Home-Premium pump package (page 27)
  - ① Drinking water intake module
  - ② Suction hose
  - ③ Floating suction fitting
    - Wall duct DN 100\* (4")
    - Labelling set



with combinable infiltration set  
page 31)

### FLAT S Complete Flat packages Home-Premium

Volume	Tank set consisting of	Order no.
3,000 l (793 US gal.)*	2 x 1,500 l (2 x 397 US gal.)	295140
4,500 l (1,189 US gal.)*	3 x 1,500 l (2 x 397 US gal.)	295141
6,000 l (1,585 US gal.)*	4 x 1,500 l (2 x 397 US gal.)	295142



### FLAT M Complete Flat packages Home-Premium

Volume	Tank set consisting of	Order no.
3,000 l (793 US gal.)	–	295145
6,000 l (1,585 US gal.)*	2 x 3,000 l (2 x 793 US gal.)	295146
9,000 l (2,378 US gal.)*	3 x 3,000 l (3 x 793 US gal.)	295147
12,000 l (3,170 US gal.)*	4 x 3,000 l (4 x 793 US gal.)	295148



### FLAT L Complete Flat packages Home-Premium

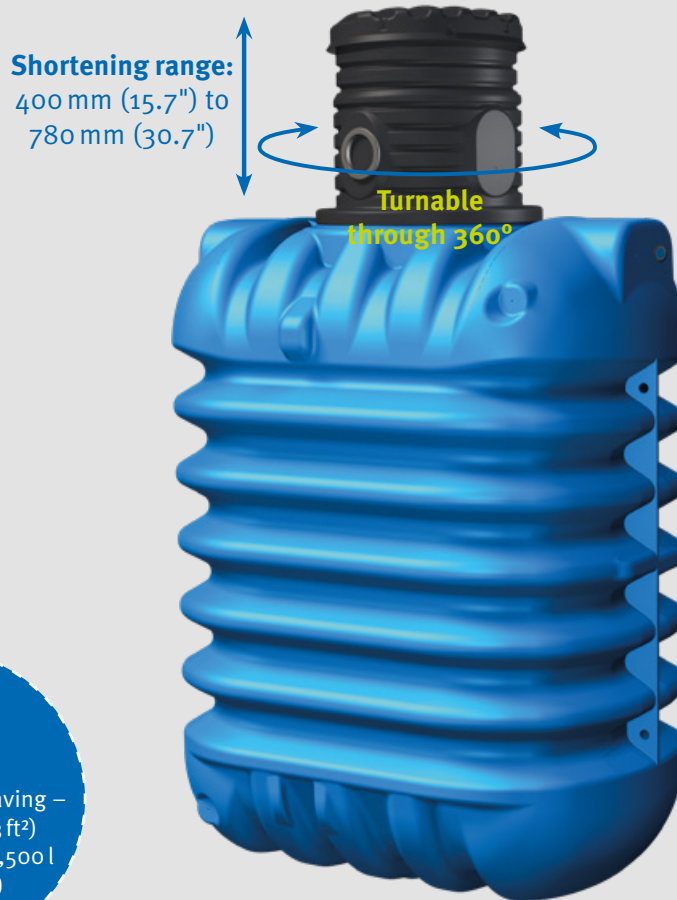
Volume	Tank set consisting of	Order no.
5,000 l (1,320 US gal.)	–	295149
10,000 l* (2,641 US gal.)*	2 x 5,000 l (2 x 1,320 US gal.)	295150
15,000 l* (3,962 US gal.)*	3 x 5,000 l (3 x 1,320 US gal.)	295151
20,000 l* (5,283 US gal.)*	4 x 5,000 l (4 x 1,320 US gal.)	295152



\* incl. connecting set(s)

# Modularis tank system

Lots of litres for little money



Extremely space saving – only 1.8 m<sup>2</sup> (19.3 ft<sup>2</sup>) of base area for 2,500 l (660 US gal.)



Prefitted sealings ready for connection



Low weight of only 87 kg (191.8 lbs) for ease of handling into the pit



Incl. tank dome system for frostproof installations

## Additional quality characteristics



Dome shaft can be turned through 360° for variable, simple installation



Tank cover childproof and suitable for pedestrian loading



Multiple layers of material applied with COEX 3 technology for maximum stability, including hygiene layer for optimal water quality



Dome shaft can get shortened for easy adaptations to the top edge of the ground



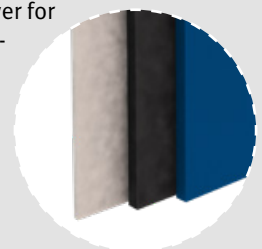
Plug-in system for any number of extensions



Tank system sealed against soakage



100% recyclable material



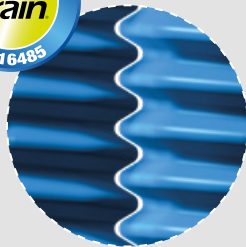


## How the tank is connected!

- ✓ Provided tank connecting set makes easy work of installing each tank module – tried and tested 100,000 times



- ✓ Patented ribbing on the tanks for optimal stability and safety



✓  
Particularly small  
base area



- ✓ Tank dome can be used as a means of access or, when necessary, for inspection purposes only

# Modularis tank system

## How the tank is delivered!

**TAKE THIS PRECAUTION NOW**  
Next summer is going to be a dry one!



Order no. 295022

**2,500 l**

### Scope of supply

- Modularis tank system with one connecting hole and integrated DN 100 (4") sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover
- Connecting set incl. drill (from 5,000 l (1,320 US gal.))



### Filter package 1

Filter basket for hanging in the tank dome. Fine-mesh filtration, incl. crossbar.

Order no. 202044

Volume	Length	Width	Height	Order no.
2,500 l (660 US gal.)	1190 mm (3'11")	1470 mm (4'10")	2010 mm (6'7")	295022

Volume	Tank set consisting of	Length	Width	Height	Order no.
5,000 l (1,320 US gal.)*	2 x 2,500 l (2 x 660 US gal.)	2300 mm (7'7")	1470 mm (4'10")	2010 mm (6'7")	295023
7,500 l (1,981 US gal.)*	3 x 2,500 l (3 x 660 US gal.)	3460 mm (11'4")	1470 mm (4'10")	2010 mm (6'7")	295024
10,000 l (2,641 US gal.)*	4 x 2,500 l (4 x 660 US gal.)	4610 mm (15'1")	1470 mm (4'10")	2010 mm (6'7")	295025
12,500 l (3,320 US gal.)*	5 x 2,500 l (5 x 660 US gal.)	5760 mm (18'11")	1470 mm (4'10")	2010 mm (6'7")	295026
15,000 l (3,962 US gal.)*	6 x 2,500 l (6 x 660 US gal.)	6910 mm (22'8")	1470 mm (4'10")	2010 mm (6'7")	295027

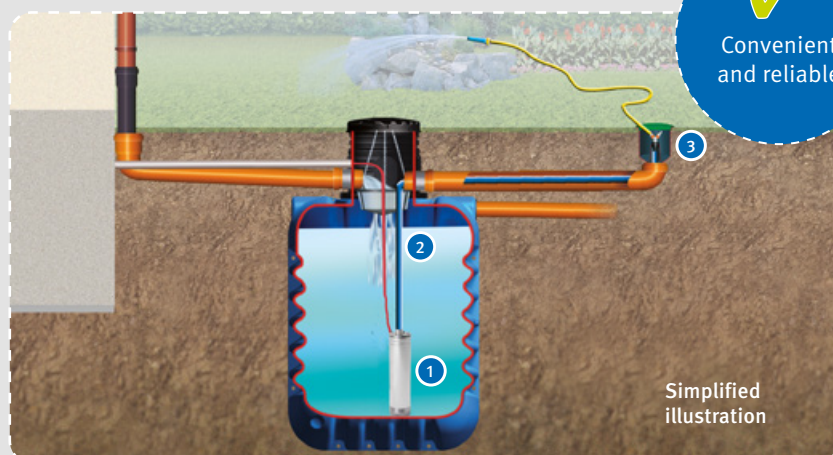
\* incl. connecting set(s)





# Complete Modularis packages **4rain**

## Garden-Comfort



### Scope of supply

- Modularis tank system with one connecting hole and integrated sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover
- Filter package 1 (page 16)
- Garden-Comfort pump package (page 27)
  - 1 Submersible pressure pump
  - 2 10 m pressure hose 25 mm (1") in diameter
  - 3 Water socket

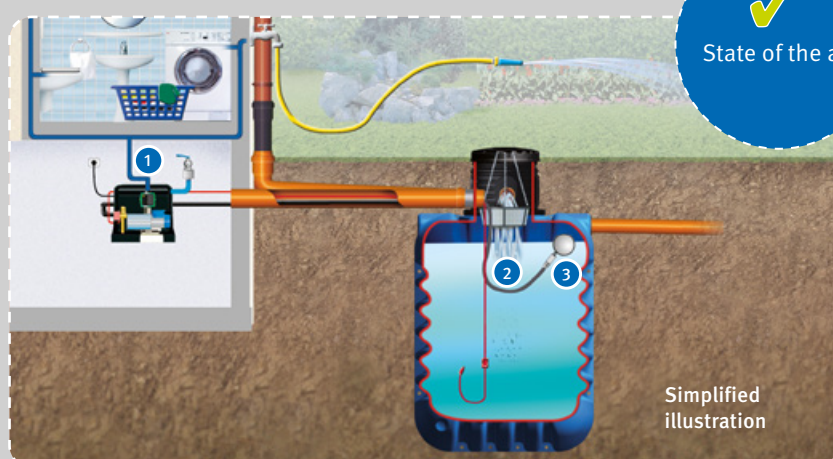
- ✓ Draw water like electricity from a power socket
- ✓ The submersible pump with integrated control offers you the greatest ease of operation (pump switches on and off automatically)
- ✓ Convenient water extraction via a water hose connection box

 with combinable infiltration set (page 31)

Volume	Tank set consisting of	Order no.
2,500 l (660 US gal)	–	295028
5,000 l (1,321 US gal)*	2 x 2,500 l	295029
7,500 l (1,981 US gal)*	3 x 2,500 l	295030
10,000 l (2,642 US gal)*	4 x 2,500 l	295031
12,500 l (3,302 US gal)*	5 x 2,500 l	295032
15,000 l (3,963 US gal)*	6 x 2,500 l	295033

\* incl. connecting set(s)

## Home-Premium



### Scope of supply

- Modularis tank system with one connecting hole and integrated sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover
- Filter package 1 (page 10)
- Home-Premium pump package (page 17)
  - 1 Drinking water intake module
  - 2 Suction hose
  - 3 Floating suction fitting
    - Wall duct DN 100\* (4")
    - Labelling set

- ✓ Only two basic components need to be installed – ideal for self installations
- ✓ An empty tank activates an internal process that transfers the required quantity of drinking water to the service water mains
- ✓ High quality drinking water intake module with quiet-running brand centrifugal pump

 with combinable infiltration set (page 31)

Volume	Tank set consisting of	Order no.
5,000 l (1,321 US gal)*	2 x 2,500 l	295034
7,500 l (1,981 US gal)*	3 x 2,500 l	295035
10,000 l (2,642 US gal)*	4 x 2,500 l	295036
12,500 l (3,302 US gal)*	5 x 2,500 l	295037
15,000 l (3,963 US gal)*	6 x 2,500 l	295038

\* incl. connecting set(s)

# Compact tank system

The low-cost garden solution



**TAKE THIS  
PRECAUTION NOW**  
Next summer is going to be a dry one!



Low weight of only 65 kg  
for ease of handling into  
the pit (1,600 l)



Compact tank design,  
simple and low cost  
installation



Incl tank dome system  
for frostproof installa-  
tions



Prefitted sealings  
ready for connection

## Additional quality characteristics



Dome shaft can be turned through  
360° for variable, simple installation



Tank system sealed against soakage



Plug-in system for any number of  
extensions



Dome shaft can get shortened for  
easy adaptations to the top edge of  
the ground



Tank cover childproof and suitable  
for pedestrian loading



100% recyclable material



## Available tank sizes

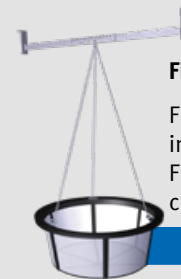


Volume	Length	Width	Height	Order no.
1,600 l (422 US gal)	2010 mm (6'7")	1050 mm (3'5")	1180 mm (3'10")	295300
2,650 l (700 US gal)	2010 mm (6'7")	1300 mm (4'3")	1460 mm (4'10")	295301

### Scope of supply

- Compact tank system with one connecting hole and integrated DN 100 (4") sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover

## Recommended accessories

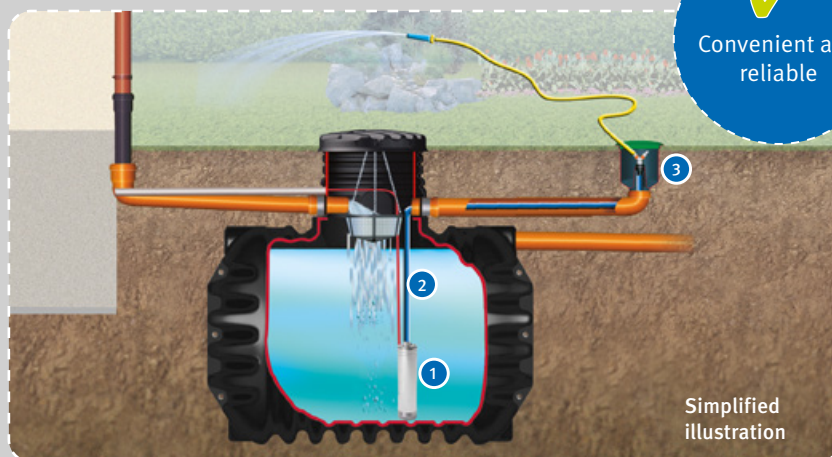


### Filter package 1

Filter basket for hanging in the tank dome. Fine-mesh filtration, incl. crossbar.

Order no. 202044

## Garden-Comfort



### Scope of supply

- Compact tank system with one connecting hole and integrated DN 100 sealing
- Shaft extension with two connecting holes and integrated sealings
- Childproof tank cover
- Filter package 1 (page 19)
- Garden-Comfort pump package (page 27)
  - ① Submersible pressure pump
  - ② 10 m pressure hose 25 mm (1") in diameter
  - ③ Water socket

- ✓ Draw water like electricity from a power socket
- ✓ The submersible pump with integrated control offers you the greatest ease of operation (pump switches on and off automatically)
- ✓ Convenient water extraction via water socket (compatible with standard hose coupling)

Volume	Order no.
1,600 l (422 US gal)	295310
2,650 l (686 US gal)	295311



with combinable infiltration set (page 31)

# Mono tank system

The tank for special needs



Monolithic design of  
3,000 l (793 US gal.) –  
6,800 l (1,796 US gal.)  
tank



Moulded tank dome  
with prefitted sealings  
ready for connection



Prepared for installation  
of self cleaning Supra  
filter technology



Tank system sealed  
against soakage

## Available tank sizes

3,000 l  
(793 US gal.)



4,000 l  
(1,057 US gal.)



5,000 l  
(1,320 US gal.)



6,800 l  
(1,796 US gal.)





# Supra filter technology

For the Mono tank system

## Dome shaft extension



The dome shaft extension (Ø 620 mm) can be telescoped/shortened continuously and is suitable for frostproof installation. Also, it can be inclined through 5°. Hence you can adjust your tank cover to your terrain, conveniently and to millimetre precision.

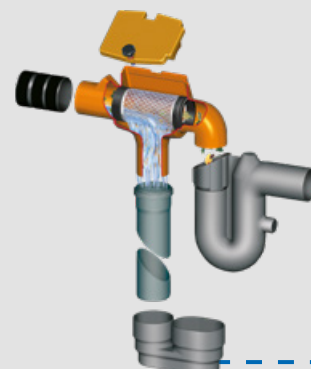
Further details can be found on page 22

Telescopic/shortenable  
220-770 mm

Tilts through 5°



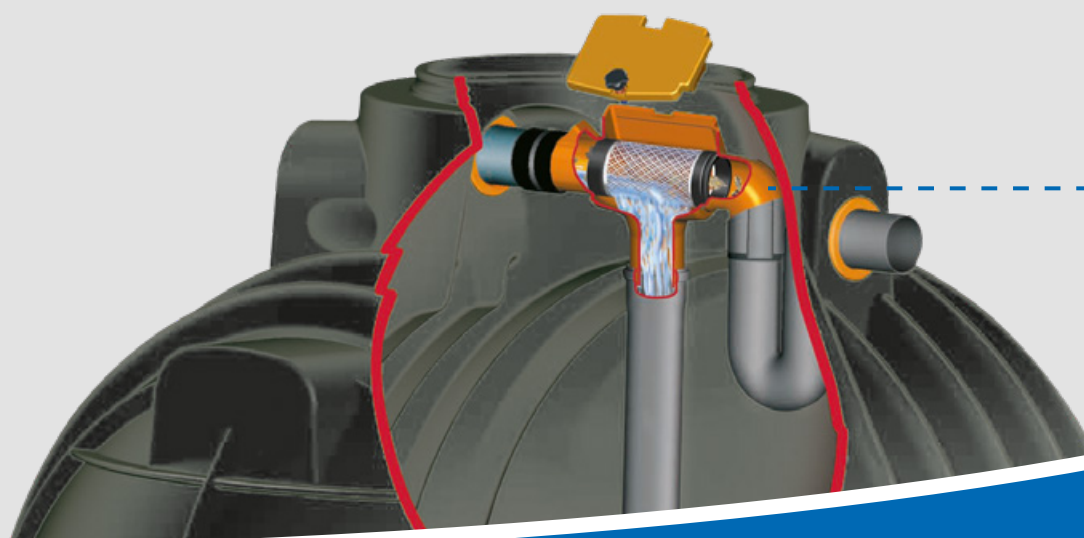
## Filter package 2



Self cleaning Supra filter with stainless steel filter insert. 95% water yield, including inlet pot, overflow siphon, and patented quick assembly sleeve.

Further details can be found on page 22

up to 100 mm  
Smooth tele-  
scopic adjust-  
ment



Simplified  
illustration

# Mono tank system

**TAKE THIS  
PRECAUTION NOW**  
Next summer is going to be a dry one!



Order no. 295005

**3,000 l**

## Scope of supply

- Mono tank system incl. moulded tank dome
- Four connecting holes incl. prefitted DN 100 (4") sealings
- Childproof tank cover

Volume	Length	Width	Tank shoulder height	Tank dome height	Tank dome outer Ø	Tank dome inner	Order no.
3,000 l (793 US gal.)	2350 mm (7'8")	1400 mm (4'7")	1440 mm (4'9")	460 mm (18.1")	820 mm (32.2")	600 mm (23.6")	295005
4,000 l (1,057 US gal.)	2420 mm (7'11")	1500 mm (4'11")	1520 mm (4'11")	530 mm (20.8")	820 mm (32.2")	600 mm (23.6")	295003
5,000 l (1,320 US gal.)	2450 mm (8')	1830 mm (6')	1830 mm (6')	340 mm (13.3")	820 mm (32.2")	600 mm (23.6")	295004
6,800 l (1,796 US gal.)	2450 mm (8')	2000 mm (6'6")	2080 mm (6'9")	320 mm (12.6")	820 mm (32.2")	600 mm (23.6")	295020

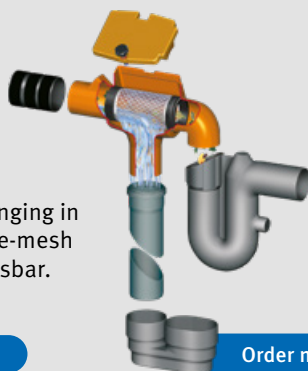
## Recommended accessories



### Filter package 1

Filter basket for hanging in the tank dome. Fine-mesh filtration, incl. crossbar.

Order no. 202044



### Filter package 2

Self cleaning Supra filter with stainless steel filter insert. 95 % water yield, incl. inlet pot, overflow siphon, and patented quick assembly sleeve.

Order no. 202556



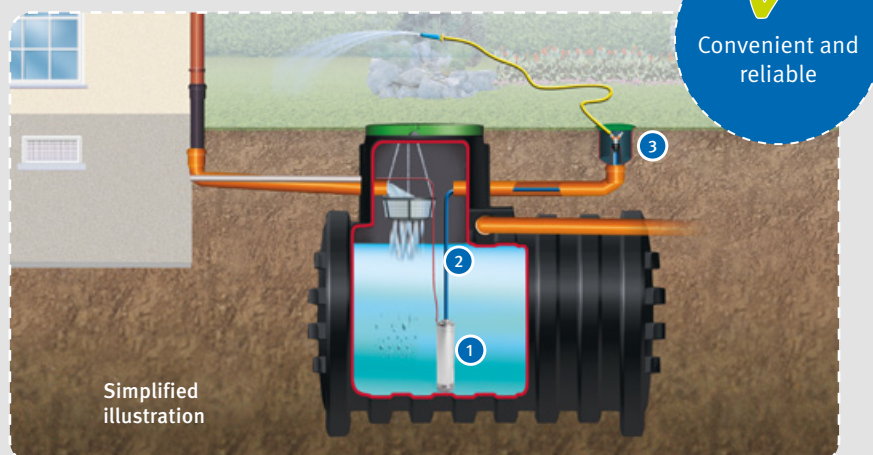
### Dome shaft extension

For frostproof installations; telescopic / shortening range 220 mm (8.6") – 700 mm (27.5"), Ø 620 mm (24.4")

Order no. 202057



## Garden-Comfort



- ✓ Draw water like electricity from a power socket
- ✓ The submersible pump with integrated control offers you the greatest ease of operation (pump switches on and off automatically)
- ✓ Convenient water extraction via a water hose connection box

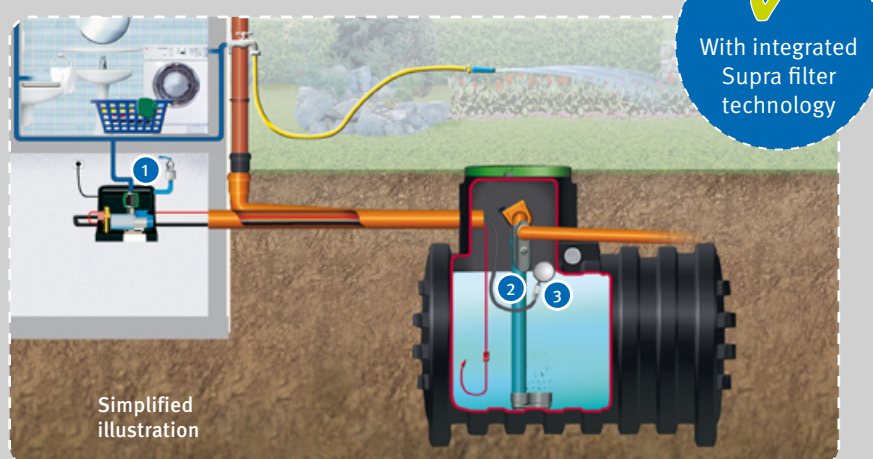
 with combinable infiltration set (page 31)

### Scope of supply

- Mono tank system incl moulded tank dome
- Childproof tank cover
- Filter package 1 (page 22)
- Garden-Comfort pump package (page 27)
  - ① Submersible pressure pump
  - ② 10 m pressure hose 25 mm (1") in diameter
  - ③ Water socket

Volume	Order no.
3,000 l (793 US gal.)	295050
4,000 l (1,057 US gal.)	295051
5,000 l (1,321 US gal.)	295052
6,800 l (1,796 US gal.)	295053

## Home-Premium



- ✓ Only two basic components need to be installed – ideal for self installations!
- ✓ An empty tank activates an internal process that transfers the required quantity of drinking water to the industrial water mains
- ✓ High quality drinking water intake module with quiet-running brand centrifugal pump

### Scope of supply

- Mono tank system incl moulded tank dome
- Childproof tank cover
- Filter package 2 (page 22)
- Home-Premium pump package (page 27)
  - ① Drinking water intake module
  - ② Suction hose
  - ③ Floating suction fitting
    - Wall duct DN 100\* (4")
    - Labelling set

Volume	Order no.
3,000 l (793 US gal.)	295055
4,000 l (1,057 US gal.)	295056
5,000 l (1,321 US gal.)	295057
6,800 l (1,796 US gal.)	295058

# Herkules tank system

The real, flexible bargain

**TAKE THIS  
PRECAUTION NOW**  
Next summer is going to be a dry one!



Order no. 320001

**1,600 l**

## Scope of supply

- Herkules tank(s) incl. moulded connection fittings:  
2 x DN 70 (3"), 2 x DN 100 (4"),  
2 x DN 200 (8") suitable for  
commercially available HT/KG pipes



Only 2 m<sup>2</sup> (21.5 ft<sup>2</sup>)  
of base area for  
1,600 l (422.6 US gal.)



Low weight for ease of  
handling into the pit



Threefold applications:  
above ground,  
underground, and  
cellar tank

Volume	Diameter	Height	Order no.
1,600 l (423 US gal.)	1350 mm	1600 mm	320001

Volume	Tank set consisting of	Order no.
3,200 l (set)*(845 US gal.)	2 x 1,600 l (2 x 423 US gal.)	211001
4,800 l (set)*(1,268 US gal.)	3 x 1,600 l (3 x 423 US gal.)	211002

\* incl. extension set(s)

## Recommended accessories

DN 150 (6") support pipe for underground assemblies

Order no. 322014

DN 70 (3") drill with pilot drill

Order no. 202002

DN 70 (3") extension set for Herkules tank (w/o drill)

Order no. 202029

DN 200 (8") tank dome with telescopic end 1 m (39.3") long, with shortening range

Order no. 322026

DN 100 (4") drill with pilot drill

Order no. 202003

DN 100 (4") extension set for Herkules tank (w/o drill)

Order no. 202028

## Threefold applications

### Underground



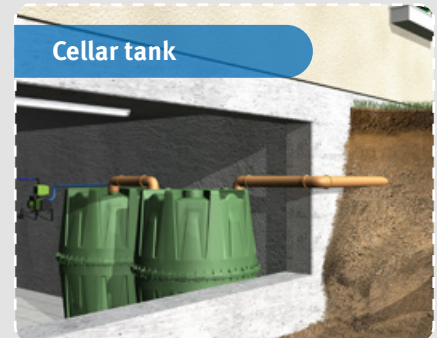
When fitted with accessories like support pipe and tank dome, the Herkules tank is also suitable for underground installations. Can be installed in groundwater and stratum water up to the top edge of the tank.

### Above ground



You can simply set up the Herkules tank in the garden.

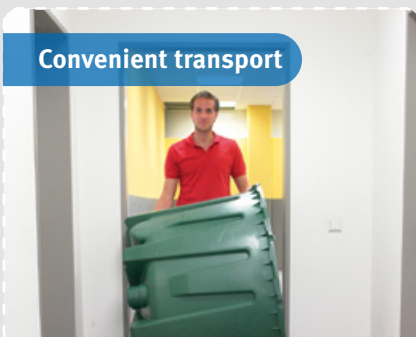
### Cellar tank



You can also set up the Herkules tank in the cellar. Its half shells can fit through any standard door over 800 mm (31.5") wide.

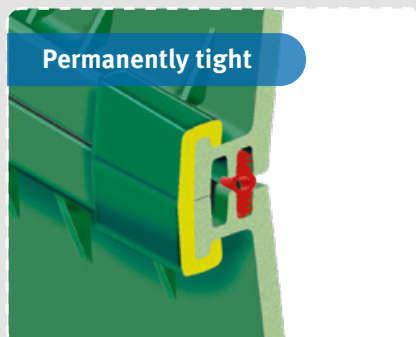
## Practical advantages for you from the Herkules tank:

### Convenient transport



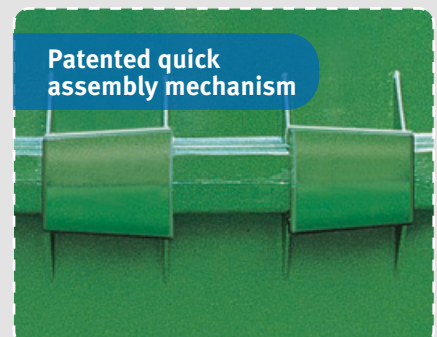
Each tank half weighs about 30 kg (66 lbs), making easy work of transporting and installing by hand. Its tank halves can fit through any standard 800 mm door.

### Permanently tight



Durable profile sealing (red section) for permanent seal integrity. Independent laboratory tests have confirmed that the seal's service life far exceeds fifty years.

### Patented quick assembly mechanism



Patented quick assembly mechanisms for installations in just minutes. Disassembly possible.



# Complete Herkules packages

## Herkules-Garden



✓  
Convenient  
and reliable

### Scope of supply

- ① Herkules tank(s)
- ② Pot filter
- ③ Extension set (2 or more tanks)
- ④ Submersible pressure pump NiRo 30
- ⑤ Support pipe(s) for below ground installation
- ⑥ DN 200 (8") dome(s)
- ⑦ External water hose connection box
- ⑧ 10 m (33') pressure hose 25 mm (1")

- ✓ Great ease of operation
- ✓ Draw water like electricity from a power socket. Pump switches on and off automatically
- ✓ Convenient water extraction via a water hose connection box (prepared for commercially available hose coupling)
- ✓ Pot filter reliably retains dirt

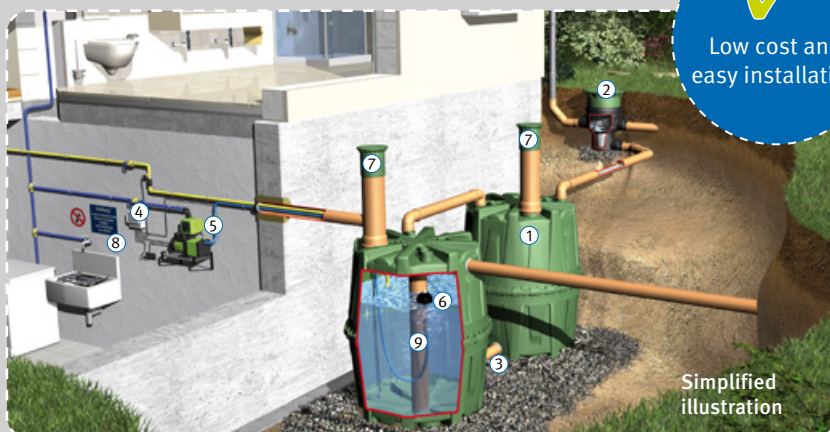


with combinable infiltration set (page 31)

Volume	Tank set consisting of	Order no.
1,600 l (423 US gal.)	–	321018
3,200 l (set)* (845 US gal.)	2 x 1,600 l (2 x 423 US gal.)	321015
4,800 l (set)* (1,268 US gal.)	3 x 1,600 l (3 x 423 US gal.)	321016

\* incl. extension set(s)

## Herkules-Home



✓  
Low cost and  
easy installation

### Scope of supply

- ① Herkules tanks
- ② Universal filter 3 external
- ③ Extension set(s)
- ④ Drinking water intake with fill level display
- ⑤ Automatic centrifugal domestic water mechanism 4 / 1000 with pump wall bracket
- ⑥ Suction fitting without suction hose
- ⑦ DN 200 (8") domes
- ⑧ Labelling set
- ⑨ Support pipe(s) for below ground installation

- ✓ Low cost complete solution
- ✓ High quality filter technology for optimal water quality
- ✓ Automatic drinking water intake in the tank



with combinable infiltration set (page 31)

Volume	Tank set consisting of	Order no.
3,200 l (set)* (845 US gal.)	2 x 1,600 l (2 x 423 US gal.)	321010
4,800 l (set)* (1,268 US gal.)	3 x 1,600 l (3 x 423 US gal.)	321011
6,400 l (set)* (1,691 US gal.)	4 x 1,600 l (4 x 423 US gal.)	321012

\* incl. extension set(s)

## Garden-Comfort pump package



1

### Submersible pressure pump NiRo 30

- Incl automatic start-stop mechanism
- With integrated pressure and flow monitor and dry running protection

Motor rating: 0.85 kW  
Max delivery height: 32 m  
Max pressure: 3.2 bar  
Max flow rate: 5,100 l/h  
Connection: 2.5 cm (1")



2

### Pressure hose

- Yellow with fabric lining
- Length: 10 m (33")  
Diameter: 25 mm (1")



3

### Water hose connection box

- For the convenient extraction of rainwater in your garden
- Incl. two-way valve for commercially available hose coupling

Diameter: 280 mm (11")  
Height: 340 mm (13.3")  
Connection: 25 mm (1")

Order no. 202561

## Home-Premium pump package



complies with the DIN 1988 and EN 1717 standards

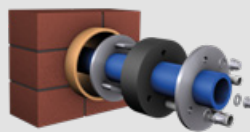
### 1 Drinking water intake module

- DN 70 (3") emergency overflow (side)
- 3-way switching valve controlled by a float switch (with a 20 m connection cable)
- Integrated mains water intake container; intake volume approx. 32 l with integrated float valve
- Pump console
- Efficient, especially quiet centrifugal pump (only 57 dB(A)) with automatic switch, delivery height: 35 m = 3,5 bar  
Max delivery volume: 3,600 l/h (951 US gal. / h)  
Motor rating: 0,66 kW  
Max suction length: 15 m (49.2')  
Max suction height: 3 m (9.85')
- Connection to the mains water network



### 2 Suction hose

- Grey with reinforcing ribs
- Length: 12.5 m (41')  
Diameter: 25 mm (1")



### 4 DN 100 wall duct

- For the reliable installation of supply lines through a wall
- Incl. options for 1x Ø 8 mm (0.31"), Ø 12 mm (0.47"), and Ø 41 mm (1.6")

Diameter: 100 mm (4")

Use wall duct only with unpressurised water.



### 3 Floating suction fitting

- Floating suction fitting with fine filter for the cleanest possible extraction of water just under the surface
- Incl. check valve, ball float with eyelet and ring

Diameter: 25 mm (1")



### 5 Labelling set

- For labelling pipes carrying rainwater

Order no. 202574

# Mono retention tank

For taking the load off the sewer system and retaining rainwater

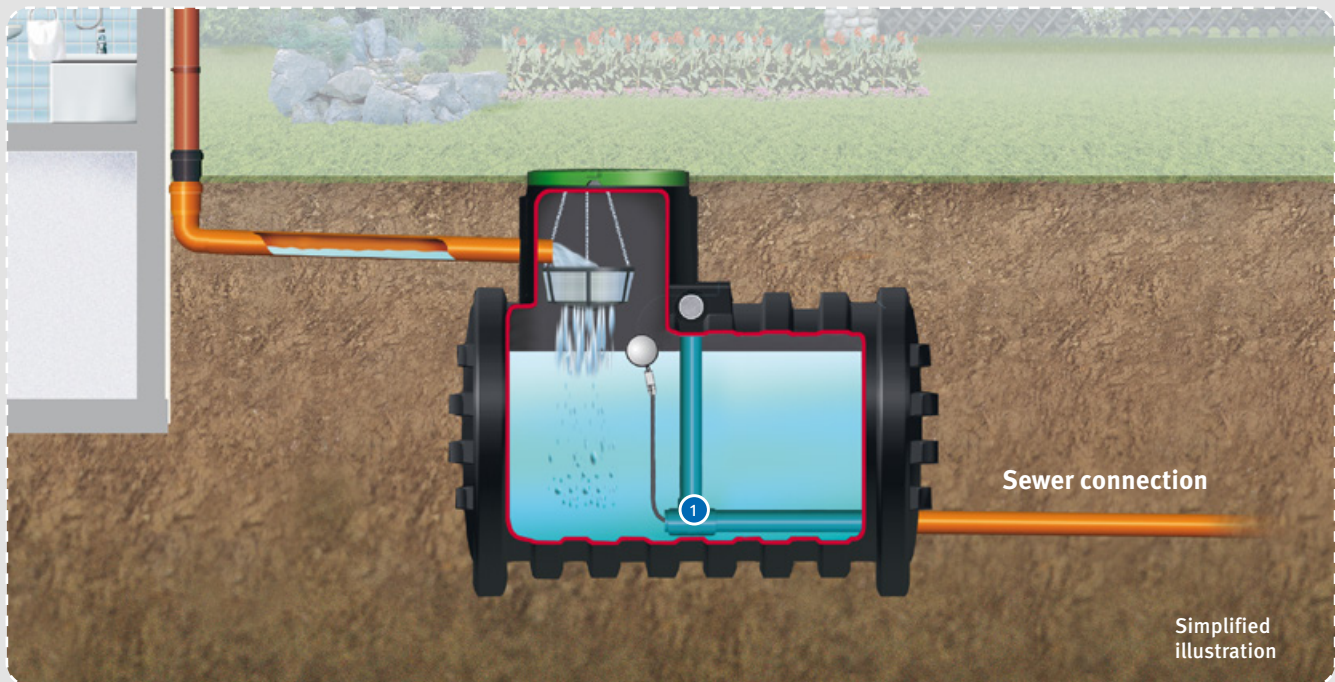


Figure shows integrated accessories

1 Floating choke drain

## Mono retention tank

For taking the load off the sewer system and retaining rainwater

Volume	Connection [DN]	Retention volume	Length	Width	Tank shoulder height	Tank dome height	Tank dome outer Ø	Tank dome inner Ø	Order no.
3,000 l (793 US gal.)	100	3,000 l (793 US gal.)	2350 mm (7'8")	1400 mm (4'7")	1440 mm (4'9")	460 mm (18.1")	820 mm (32.2")	600 mm (23.6")	295065
4,000 l (1,057 US gal.)	100	4,000 l (1,057 US gal.)	2420 mm (7'11")	1500 mm (4'11")	1520 mm (4'12")	530 mm (20.8")	820 mm (32.2")	600 mm (23.6")	295066
5,000 l (1,321 US gal.)	100	5,000 l (1,321 US gal.)	2450 mm (8')	1830 mm (6')	1830 mm (6')	340 mm (13.3")	820 mm (32.2")	600 mm (23.6")	295067
6,800 l (1,796 US gal.)	100	6,800 l (1,796 US gal.)	2450 mm (8')	2000 mm (6'6")	2080 mm (6'9")	320 mm (12.6")	820 mm (32.2")	600 mm (23.6")	295068

When ordering, please specify the discharge value you wish (0.05–2.0 l/s).



### Scope of delivery

#### Mono retention tank / retention tank plus

- Underground tank Mono incl moulded tank dome
- Four connecting holes incl prefitted DN 100 (4") sealings
- Childproof tank cover
- Integrated choke drain 0.05–2.0 l/s, DN 100 (4") connection prefitted in tank



# Mono retention tank Plus

For combined rainwater retention and rainwater harvesting

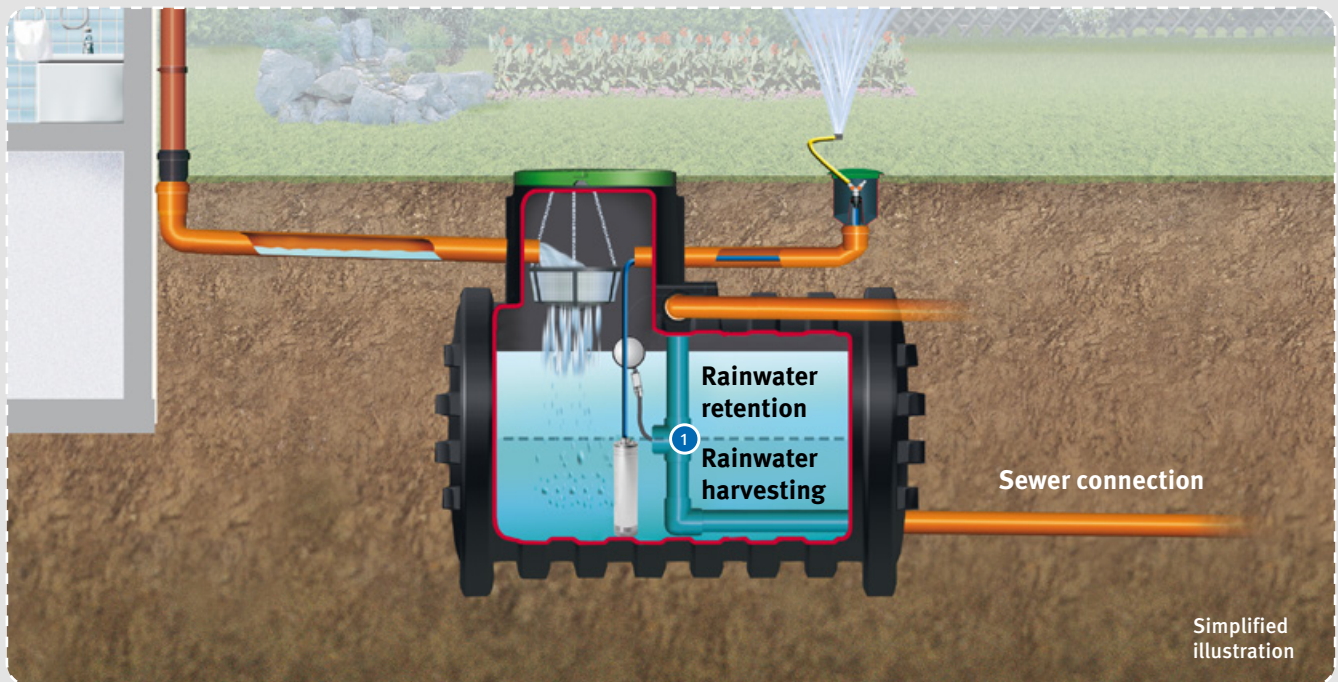


Figure shows integrated accessories

## Mono retention tank Plus

1 Floating choke drain

For combined rainwater retention and rainwater harvesting

Volume	Connection [DN]	Retention volume	Usable volume	Length	Width	Tank shoulder height	Tank dome height	Tank dome outer Ø	Tank dome inner Ø	Order no.
3,000 l (793 US gal.)	100	1,000 l (264 US gal.)	2,000 l (528 US gal.)	2350 mm (7'8")	1400 mm (4'7")	1440 mm (4'9")	460 mm (18.1")	820 mm (32.2")	600 mm (23.6")	295070
4,000 l (1,057 US gal.)	100	1,500 l (396 US gal.)	2,500 l (660 US gal.)	2420 mm (7'11")	1500 mm (4'11")	1520 mm (4'12")	530 mm (20.8")	820 mm (32.2")	600 mm (23.6")	295071
5,000 l (1,321 US gal.)	100	2,000 l (528 US gal.)	3,000 l (792 US gal.)	2450 mm (8')	1830 mm (6')	1830 mm (6')	340 mm (13.3")	820 mm (32.2")	600 mm (23.6")	295072
6,800 l (1,796 US gal.)	100	2,500 l (660 US gal.)	4,300 l (1,135 US gal.)	2450 mm (8')	2000 mm (6'6")	2080 mm (6'9")	320 mm (12.6")	820 mm (32.2")	600 mm (23.6")	295073

When ordering, please specify the discharge value you wish (0.05–2.0 l/s).

## Recommended accessories



### Filter package 1

Filter basket for hanging in the tank dome. Fine-mesh filtration, incl. crossbar.

Order no. 202044



### Dome shaft extension

For frostproof installations; telescopic / shortening range 220–700 mm, Ø 620 mm

Order no. 202057

Garden-Comfort pump package and Home-Premium pump package see page 27

# Infiltration tunnel

The optimal addition to your rainwater tank



For any number of extensions.  
For single and multi family homes or industry



Ideal for self installation – weight only approx. 10 kg (22 lbs)



Lorry bearing capabilities allow free arrangements of covering surfaces



Replaces 36 m (118.1') DN 100 (4") drainage pipe or 800 kg (1763.6 lbs) of gravel! Less excavation, less costs!

## Additional quality characteristics



Connections for DN 100 and DN 200 inspection shaft



Three dimensional throughflow for high infiltration performance

## Dimensioning

Soil type   kf value	Number of infiltration tunnels	
	for 100 m <sup>2</sup>	for 200 m <sup>2</sup>
Gravel   10 <sup>-3</sup>	3	5
Medium sand   10 <sup>-4</sup>	7	14
Fine sand   10 <sup>-5</sup>	12	24
Silt   10 <sup>-6</sup>	19	37



## Complete infiltration tunnel

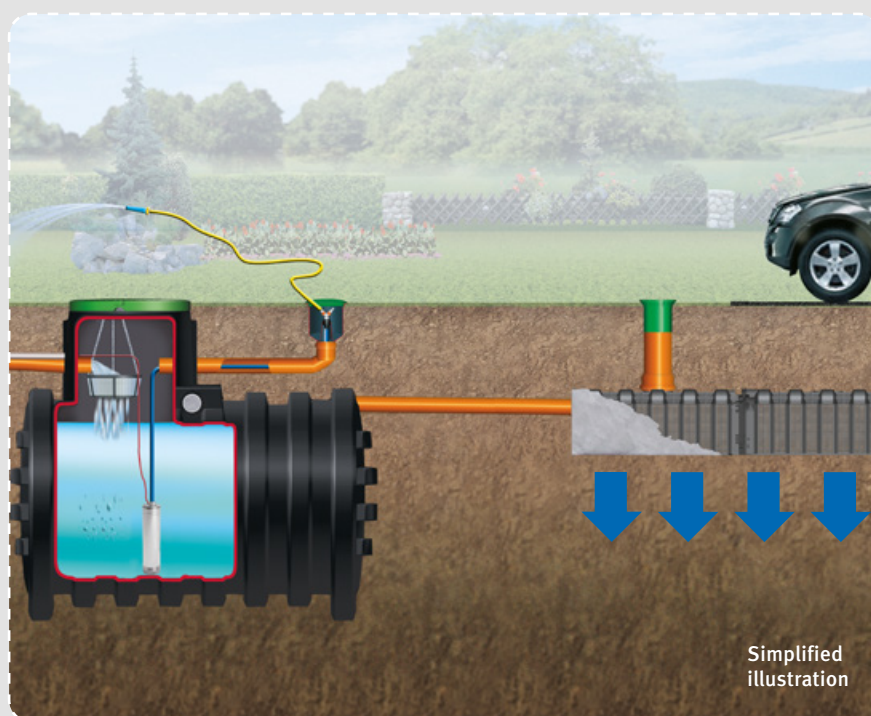
Volume	Length	Width	Height	Order no.
300 l (79 US gal.)	1220 mm (4')	800 mm (31.5")	510 mm (20")	230023

*Infiltration tunnel for any number of combinations and extensions*

## Technical data:

Volume:	300 l (79 US gal.)
Load capacity:	lorry bearing
Installation window*:	Min earth covering 250 mm (10") Max installation depth 4250 mm (13'11")
Material:	Recycled PP
Dimensions (Lx Wx H):	1160x800x510 mm (46,6"x31,5"x20")
Connections:	Face plate: DN100 (4"), 150 (6"), 200 (8"), and 300 (12") Top: DN100 (4"), 200 (8")

\* Please refer to the installation instructions

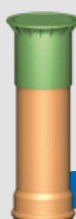


## Recommended accessories



**Infiltration tunnel/twin  
end plate set**

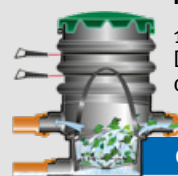
Order no. 231004



**DN 200 tank dome with  
telescopic end**

(1 m (39.3") long, with short-  
ening range)  
For examinations and  
inspections

Order no. 322026



**External underground  
fine filter**

100% water yield  
DN100 (4")/ DN150 (6")  
connections

Order no. 340002

Recommended accessories see page 33



# Infiltration tunnel twin system

The optimal addition to your rainwater tank



Order no. 410130

600l



Infiltration Tunnel twin  
– Twice the volume  
with the same space  
requirement



One infiltration tunnel  
twin only weights  
20 kg. (44 lbs)



Suitable for vehicle  
loading



Suitable for vehicle  
loading. Twice the  
volume with the same  
space requirement



## Infiltration tunnel twin

Volume	Length	Width	Height	Numbers of infiltration tunnel
600 l (159 US gal.)	1160 mm (3'10")	800 mm (31.5")	1020 mm (3'4")	Order no. 230023   2 x

*Infiltration tunnel for any number of combinations and extensions*



Infiltration tunnel/twin  
end plate set

Order no. 231004

## GRAF click-bolt connectors

Connector for Infiltration  
Tunnel twin (set of 6 for one  
Infiltration Tunnel twin car)



Order no. 410094

# Infiltration tunnel 130 l

For combined rainwater retention and rainwater harvesting

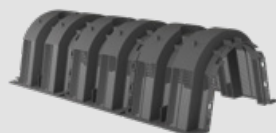


Order no. 410200

130l

## Additional quality characteristics

- ✓ High infiltration performance thanks to 3-dimensional through flow
- ✓ Easily extendable. For houses, apartment buildings or businesses
- ✓ DN 100 (4") and DN 200 (8") connections for inspection shaft
- ✓ Maximum infiltration capacity thanks to slats on the sides
- ✓ Ideal for do-it-yourself installation
- ✓ Entire base area open for high infiltration capacity



Complete infiltration tunnel 130 l

Volume	Length	Width	Height	Order no.
130 l (34 US gal.)	1190 mm (3'10")	490 mm (19.3")	320 mm (12.6")	410200

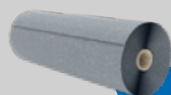
Infiltration tunnel for any number of combinations and extensions



Infiltration tunnel 130, end plate set

Order no. 410203

## Recommended accessories



### GRAF-Tex geotextile

For one Infiltration Tunnel  
Size of 2.50 x 2.50 m  
(8' 2.4" x 8' 2.4")

Order no. 231006

Sold by the metre,  
roll width 5 m (16' 4.8")

Order no. 231002

Sold by the metre,  
roll width 2,5 m (8' 2.4")

Order no. 231007



### Deaeration end

DN 100 (4"),  
incl. connection pipe

Order no. 369017

### Deaeration end

DN 150/200 (6"/8")

Order no. 369046



### Inspection end DN 200 (8")

Order no. 340527



# Wall-mounted slim stone decor

With a trendy stone-style finish



Order no. 211812



Filter tip: Rapido  
(page 14)



Easy assembly  
of the tap

- ✓ An elegant, attractive rainwater tank with a trendy stone-style front
- ✓ High storage capacity, low space requirements
- ✓  $\frac{3}{4}$ " internal thread for easy assembly of the Aqua-Quick tap
- ✓ 3D decor

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**Otto Graf GmbH**

**Plastics Products**

Carl-Zeiss-Strasse 2-6

DE-79331 Teningen,

Germany

Tel.: +49 7641 589-0

Fax: +49 7641 589-50

mail@graf.info

Volume	Height	Width	Depth	sand beige Order no.	graphite grey Order no.
300 l (79 US gal.)	1820 mm (71.6")	580 mm (22.8")	370 mm (14.5")	211812	211811

#### 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.

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