

Product overview

Lifting units · Submersible pumps · Grease separators · Borehole pumps · Pumping stations
Rainwater harvesting systems · Pumps for home and garden · Booster systems · Controls

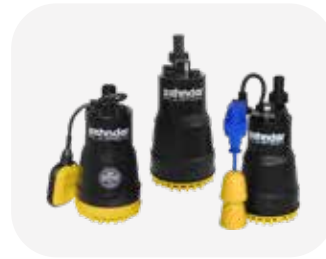
Waste water pumps

- Pumping of clear and waste water from pits, drainage manholes, cellar etc.
- As a portable pump for emergency drainage
- Drainage of domestic waste water without faeces from shower, washbasins, washing machine, etc.
- Special version for the pumping of slightly acidic condensate, aggressive or salty media (maximum 15% salt)



ZPK / S-ZPK

Output power P2	0,13 - 0,43 kW
Voltage	230 V
Max. flow rate	11 m ³ /h
Max. head	11 m
Max. solids handling	30 mm
Pressure outlet	1¼" MT



ZM

Output power P2	0,16 - 0,35 kW
Voltage	230 V
Max. flow rate	9,0 m ³ /h
Max. head	11,0 m
Max. solids handling	10 mm
Pressure outlet	1" MT



Puddle pump type FSP 330

Output power P2	0,16 kW
Voltage	230 V
Max. flow rate	5,5 m ³ /h
Max. head	7,0 m
Max. solids handling	1 mm
Pressure outlet	1" MT



Vectis® / S-Vectis®

Output power P2	0,3 - 0,6 kW
Voltage	230 V
Max. flow rate	15,0 m ³ /h
Max. head	11,0 m
Max. solids handling	20 mm
Pressure outlet	1¼" MT



TDP 800

Output power P2	0,41 kW
Voltage	230 V
Max. flow rate	6,0 m ³ /h
Max. head	30 m
Max. solids handling	3 mm
Pressure outlet	1" MT



Flood emergency kit E-ZW / Vectis®

Output power P2	0,4 kW
Voltage	230 V
Max. flow rate	9,5 - 11,0 m ³ /h
Max. head	9,0 - 14,0 m
Max. solids handling	10 - 20 mm
Pressure outlet	1¼" AG / 1¼" FT



Waste water pumps



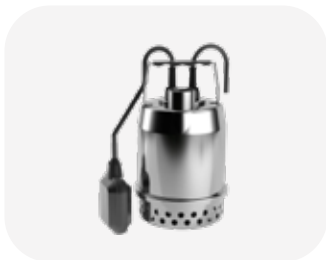
E-ZW / E-ZWM

Output power P2	0,21 - 0,43 kW
Voltage	230 V
Max. flow rate	10 m ³ /h
Max. head	14 m
Max. solids handling	30 mm
Pressure outlet	1¼" FT



Drain Inox 90 MA

Output power P2	0,35 kW
Voltage	230 V
Max. flow rate	15,0 m ³ /h
Max. head	13,0 m
Max. solids handling	10 mm
Pressure outlet	1½" FT



Drain Inox 50 MA

Output power P2	0,25 kW
Voltage	230 V
Max. flow rate	9,0 m ³ /h
Max. head	8,0 m
Max. solids handling	10 mm
Pressure outlet	1¼" FT



Drainprofi B

Output power P2	1,1 - 4,5 kW
Voltage	230/400 V
Max. flow rate	84 m ³ /h
Max. head	23 m
Max. solids handling	10 mm
Pressure outlet	B/C Storz coupling



Solida 125 Cutter

Output power P2	1,2 kW
Voltage	230/400 V
Max. flow rate	6,6 m ³ /h
Max. head	30,0 m
Max. solids handling	cutting system
Pressure outlet	1½" FT



Solida vortex - / channel impeller

Output power P2	0,55 - 3,4 kW
Voltage	230/400 V
Max. flow rate	90 m ³ /h
Max. head	20,5 m
Max. solids handling	50 mm
Pressure outlet	1½"-3" FT



ZPG 50

Output power P2	0,55 - 1,5 kW
Voltage	230/400 V
Max. flow rate	29 m ³ /h
Max. head	16,1 m
Max. solids handling	45 mm
Pressure outlet	DN 50/2" FT



ZPG 71

Output power P2	1,6 - 3,2 kW
Voltage	230/400 V
Max. flow rate	43 m ³ /h
Max. head	31 m
Max. solids handling	40 mm
Pressure outlet	DN 50

Sewage pumps

- Pumping of sewage from collection shafts
- Pressure drainage
- Installation in polyethylene or concrete shafts
- As grinder pump on sewage lifting units



ZFS 71°

Output power P2	1,6 - 3,2 kW
Voltage	230/400 V
Max. flow rate	17 m ³ /h
Max. head	39 m
Max. solids handling	cutting system
Pressure outlet	DN 50



ZF 80

Output power P2	2,5 - 3,3 kW
Voltage	400 V
Max. flow rate	130 m ³ /h
Max. head	17 m
Max. solids handling	80 mm
Pressure outlet	DN 100



ZF 100

Output power P2	3,3 - 7,5 kW
Voltage	400 V
Max. flow rate	165 m ³ /h
Max. head	22 m
Max. solids handling	100 mm
Pressure outlet	DN 100



Pumping stations

- For the disposal of sewage from single or multi-family houses
- As drainage pumping station
- For pressure drainage
- For installation outside of buildings, drivable with shaft covers class B and D



Pumping stations

Version	Simplex unit (KE) oder Duplex units (KD)
Material	corrosion resistant PE-LLD
Piping	DN 32 / DN 50, stainless steel, completely mounted
Inflow	DN 150 suitable for KG pipe, more possible
Pressure outlet	PE-HD 63 x 5,8
Other connections	2 x DN 100 for cable entry and ventilation
Max. inlet depth	1190 - 2940 mm
Total height*	1365 - 3540 mm
Diameter	810 - 1100 mm
Equipment	gate valve, ball check valve, sliding tube, drain chain, coupling system

* incl. top piece and respective BEGU shaft cover

BEGU manhole cover available to fit:

- Class A accessible
- Class B car accessible
- Class D truck accessible

Small lifting units

- Pumping of domestic waste water with and without faeces (depending on model)
- Above-ground installation in frost-free rooms below the backflow level
- As lifting unit behind grease separators (according to DIN 4040-100 only in version with 30mm solids handling)
- Pumping of condensate from air-conditioning units and condensate from condensing boilers with a pH value of up to 2.5 (ZKH)



SWH 500 / SWH 500 F	
Output power P2	0,13-0,47 kW
Voltage	230 V
Max. flow rate	11 m ³ /h
Max. head	10 bis 14 m
Max. solids handling	30 mm
Pressure outlet	1 ¼" FT

*as single and double unit available



UFB 200 / S-UFB 200	
Output power P2	0,13 - 0,43 kW
Voltage	230 V
Max. flow rate	11 m ³ /h
Max. head	11 m
Max. solids handling	30 mm
Pressure outlet	1 ¼" MT



SWH 100 / S-SWH 100	
Output power P2	0,13-0,43 kW
Voltage	230 V
Max. flow rate	14 m ³ /h
Max. head	11 m
Max. solids handling	10 mm
Pressure outlet	1 ¼" FT



Microboy	
Output power P2	0,35 kW
Voltage	230 V
Max. flow rate	7,5 m ³ /h
Max. head	11,8 m
Max. solids handling	cutting system
Pressure outlet	1 ¼" FT



ZKH Condensate lifting unit	
Output power P2	0,14 kW
Voltage	230 V
Max. flow rate	340 l/h
Max. head	4,5 m
Pressure outlet	pressure hose 9 mm



Gerios®	
Output power P2	0,35 kW
Voltage	230 V
Max. flow rate	7,5 m ³ /h
Max. head	11 m
Max. solids handling	cutting system
Pressure outlet	1 ¼" MT & FT, DN 28 & 32



Sewage lifting units

- Pumping of sewage from basement apartments, single-family houses, apartment buildings or public buildings
- Above-ground installation in frost-free rooms below the back flow level
- All sewage lifting units are supplied with preset pneumatic level control
- With high-performance cutting system or large free passage



Kompaktboy® Simplex

Output power P2	1,1 - 3,0 kW
Voltage	230/400 V
Max. flow rate	49 m ³ /h
Max. head	15 m
Max. solids handling	50 mm
Pressure outlet	DN 100
Tank volume	55 l



Kompaktboy® Duplex

Output power P2	1,1 - 3,0 kW
Voltage	230/400 V
Max. flow rate	49 m ³ /h
Max. head	15 m
Max. solids handling	50 mm
Pressure outlet	DN 100
Tank volume	150 l



Kompaktboy® SE 71 Simplex

Output power P2	1,7 - 3,2 kW
Voltage	230/400 V
Max. flow rate	17 m ³ /h
Max. head	39 m
Max. solids handling	cutting system
Pressure outlet	DN 50
Tank volume	55 l



Kompaktboy® SE 71 Duplex

Output power P2	1,7 - 3,2 kW
Voltage	400 V
Max. flow rate	17 m ³ /h
Max. head	39 m
Max. solids handling	cutting system
Pressure outlet	DN 50
Tank volume	150 l



Boy Simplex

Output power P2	1,5 - 3,0 kW
Voltage	400 V
Max. flow rate	60 m ³ /h
Max. head	11 m
Max. solids handling	50 mm
Pressure outlet	DN 100 (80)
Tank volume	140 l



Boy Duplex

Output power P2	1,7 - 3,2 kW
Voltage	400 V
Max. flow rate	60 m ³ /h
Max. head	11 m
Max. solids handling	50
Pressure outlet	DN 100
Tank volume	200 l





W 80 Simplex	
Output power P2	3,0 kW
Voltage	400 V
Max. flow rate	60 m ³ /h
Max. head	11 m
Max. solids handling	80 mm
Pressure outlet	DN 100
Tank volume	350 l



W 80 Duplex	
Output power P2	3,0 kW
Voltage	400 V
Max. flow rate	60 m ³ /h
Max. head	11 m
Max. solids handling	80 mm
Pressure outlet	DN 100
Tank volume	480 l



WUZ 100 Simplex	
Output power P2	3,0 - 7,5 kW
Voltage	400 V
Max. flow rate	165 m ³ /h
Max. head	22 m
Max. solids handling	80 - 100 mm
Pressure outlet	DN 100
Tank volume	480 l



WUZ 100 Duplex	
Output power P2	3,0 - 7,5 kW
Voltage	400 V
Max. flow rate	165 m ³ /h
Max. head	22 m
Max. solids handling	80 - 100 mm
Pressure outlet	DN 100
Tank volume	1000 l

Custom-made special tanks

Quality and variety - Made in Germany

In our tank manufacturing department, we produce custom-made special tanks from polyethylene (PE) or polypropylene (PP) according to individual customer requirements. Our range includes lifting systems and storage tanks up to 20,000 liters, all 100% made in Germany at our Grünhain site. The tanks, whether round or rectangular, closed or open, are manufactured according to the testing and construction principles of the Institute for Building Technology in Berlin, ensuring the highest quality.

The connections can be customized as flanges or pipe sockets. Our tanks are used as wastewater collection tanks, in neutralization plants, and more, offering durable solutions for industry and environmental protection.

For customized solutions and comprehensive advice, contact us!



Garden pumps

- Domestic water supply, garden irrigation and rainwater utilisation from wells or cisterns
- Supply of clear water without aggressive and abrasive components
- Garden irrigation and sprinkling
- Pressure boosting



Garden	
Output power P2	0,75 - 0,9 kW
Voltage	230 V
Max. flow rate	5,0 m ³ /h
Max. head	54 m
Pressure outlet	1" FT



CPS	
Output power P2	0,9 - 2,1 kW
Voltage	230 V
Max. flow rate	10,2 m ³ /h
Max. head	75 m
Pressure outlet	1" FT



Garden - domestic water system with pressure switch	
Output power P2	0,75 - 0,9 kW
Voltage	230 V
Max. flow rate	5,0 m ³ /h
Max. head	54 m
Pressure outlet	1" FT



CPS - domestic water system with pressure switch	
Output power P2	0,9 - 1,5 kW
Voltage	230 V
Max. flow rate	9,0 m ³ /h
Max. head	60,0 m
Pressure outlet	1" FT



Garden - domestic waterworks with digital pressure switch incl. dry-running protection	
Output power P2	0,75 - 0,9 kW
Voltage	230 V
Max. flow rate	5,0 m ³ /h
Max. head	54 m
Pressure outlet	1" FT



CPS - domestic waterworks with digital pressure switch incl. dry-running protection	
Output power P2	0,9 - 1,5kW
Voltage	230 V
Max. flow rate	9,0 m ³ /h
Max. head	62 m
Pressure outlet	1" FT



Pressure booster systems

- Vertical or horizontal systems
- For domestic water supply
- Drinking water supply, rainwater harvesting
- Systems, sprinkling, clear water without aggressive and abrasive components
- Designed for continuous operation
- Automatic control



CPN with ZP Speedcontrol Basic

Output power P2	0,85 - 1,65 kW
Voltage	230 V
Max. flow rate	10,2 m ³ /h
Max. head	62 m
Pressure outlet	1" MT



ZPV Simplex

Output power P2	0,37 - 7,5 kW
Voltage	400 V
Max. flow rate	22 m ³ /h
Max. head	136 m
Pressure outlet	G1½ / G1¼"/G2



CPN with ZP Speedcontrol Comfort

Output power P2	0,85 - 1,65 kW
Voltage	230 V
Max. flow rate	10,2 m ³ /h
Max. head	62 m
Pressure outlet	1" MT



ZPV Duplex

Output power P2	0,37 - 7,5 kW
Voltage	400 V
Max. flow rate	22 m ³ /h
Max. head	136 m
Pressure outlet	G1½ / G1¼"/G2



DPA CPS / CPN with ZP Speedcontrol Comfort

Output power P2	2x0,7 - 2x1,05 kW
Voltage	230 V
Max. flow rate	15,3 m ³ /h
Max. head	62,0 m
Pressure outlet	1½" MT



ZPV Triplex

Output power P2	0,37 - 7,5 kW
Voltage	400 V
Max. flow rate	22 m ³ /h
Max. head	136 m
Pressure outlet	G1½ / G1¼"/G2



BZPV Simplex

Output power P2	0,75 - 2,2 kW
Voltage	400 V
Max. flow rate	8 m ³ /h
Max. head	94 m
Pressure outlet	1¼" FT



BZPV Duplex

Output power P2	0,75 - 2,2 kW
Voltage	400 V
Max. flow rate	8 m ³ /h
Max. head	94 m
Pressure outlet	2" FT

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At www.zehnder-pumpen.de, you will find a wealth of useful information about our products. Discover, among other things:

- Technical data and performance curves
- Dimension drawings
- Operating manuals
- BIM data
- Data sheets

Get comprehensive information and take advantage of the various resources we provide online.

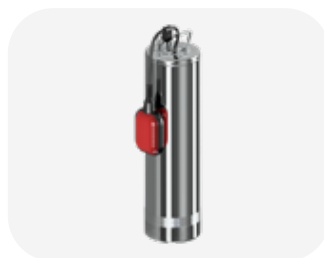


Borehole pumps

- Domestic water supply, garden irrigation and rainwater harvesting from wells or cisterns
- Pumping of clear water with little abrasive and without aggressive components



TM 3"	
Output power P2	0,46 - 1,5 kW
Voltage	230 V
Max. flow rate	6,0 m ³ /h
Max. head	86 m
Outer diameter	Ø 78 mm
Pressure outlet	1" FT



Aqua 5	
Output power P2	1,0 - 1,8 kW
Voltage	230/400 V
Max. flow rate	5,7 m ³ /h
Max. head	82 m
Outer diameter	Ø 127 mm
Pressure outlet	1¼" FT



TM 4"	
Output power P2	0,8 - 1,2 kW
Voltage	230 V
Max. flow rate	4,5 m ³ /h
Max. head	68 m
Outer diameter	Ø 99 mm
Pressure outlet	1" FT



Wellworker	
Output power P2	0,22 - 4,8 kW
Voltage	230/400 V
Max. flow rate	24,0 m ³ /h
Max. head	262 m
Outer diameter	Ø 99 mm
Pressure outlet	1½" / 2" FT



Aquastream	
Output power P2	0,8 kW
Voltage	230 V
Max. flow rate	5,5 m ³ /h
Max. head	50 m
Outer diameter	Ø 96 mm
Pressure outlet	1" FT



Aquasub	
Output power P2	0,9 - 2,0 kW
Voltage	230 V/400 V
Max. flow rate	5,4 m ³ /h
Max. head	135 m
Outer diameter	Ø 100 mm
Pressure outlet	1" / 1¼" FT



Rainsub 60	
Output power P2	0,75 kW
Voltage	230 V
Max. flow rate	5,7 m ³ /h
Max. head	57 m
Outer diameter	Ø 190 mm
Pressure outlet	1" FT



Rainwater harvesting systems

- Rainwater utilisation from cisterns or wells with automatic drinking water feeding in case of water shortage
- Garden irrigation
- Domestic water supply
- Pumping of clear water without aggressive and abrasive components
- Fully automatic, electronic control of the system
- On-demand, in-house drinking water replenishment



Raincenter Pro 15	
Output power P2	0,7 kW
Voltage	230 V
Max. flow rate	4,0 m ³ /h
Max. head	40 m
Pressure outlet	1" MT



Tacomat 2	
Voltage	230 V
Make-up quantity	3,5 m ³ /h
Tank volume	3,5 l



Raincenter 25	
Output power P2	1,05 kW
Voltage	230 V
Max. flow rate	5,2 m ³ /h
Max. head	52 m
Pressure outlet	1" MT



Tacomat 5	
Voltage	230 V
Make-up quantity	5,0 m ³ /h
Tank volume	19,0 l



Lademax	
Output power P2	0,78 kW
Voltage	230 V
Max. flow rate	13,5 m ³ /h
Max. head	11 m
Pressure outlet	1" FT



Drinking water separation station	
Output power P2	0,7 - 1,0 kW
Voltage	230 V
Max. flow rate	5,4 m ³ /h
Max. head	52 m
Pressure outlet	¾" MT

Grease separators

- Sewage treatment in gastronomic businesses and meat-processing industry
- For mobile food stalls and mobile dishwashers with occasional food preparation (NS 0,5)
- For free-standing installation and for installation in the ground



Grease separator mobil

Nominal size diameter	NS 0,5
Mud trap	8 l
Max. fat storage volume	24 l
Material	PE



Grease separator free standing

Nominal size diameter	NS1 - NS10
Mud trap max.	1.001 l
Max. fat storage volume	409 l
Material	PE

*Also available with rinsing and disposal equipment



Grease separator underground installation

Nominal size diameter	NS2 - NS15
Mud trap max.	1.500 l
Max. fat storage volume	600 l
Material	PE



Controls

- Pneumatic level controls
- Electronic level controls
- Three-phase switchgear
- Electronic speed controls
- Electronic pressure switches



ZPS	
Voltage	230/400 V
Frequency	50 Hz
Max. current consumption	14 A
Max. medium temp.	control without media contact



ZP Control Ad Pro	
Voltage	~1x120 V / ~1x230 V
Frequenz	50/60 Hz
Max. current consumption	16 (8) A
Max. medium temp.	60°C



Control switch Kit 02	
Voltage	230 V
Frequenz	50/60 Hz
Max. current consumption	10 A
Max. medium temp.	60°C



ZP Speedcontrol Box	
Voltage	230/400 V
Frequency	50/60 Hz
Max. current consumption	12 A
Max. medium temp.	50°C



Control switch Kit 05 OPTIMATIK	
Voltage	230 V
Frequenz	50/60 Hz
Max. current consumption	10 A
Max. medium temp.	60°C



ZP Safe	
Voltage	~1x110 - 230 V
Frequenz	50 Hz
Max. current consumption	16 A
Max. medium temp.	50°C



ZP Speedcontrol	
Voltage	230 V
Frequenz	50/60 Hz
Max. current consumption	12 A
Max. medium temp.	40°C



Three-phase switchgears	
Voltage	400 V
Frequenz	50/60 Hz
Max. current consumption	12 A
Motor	



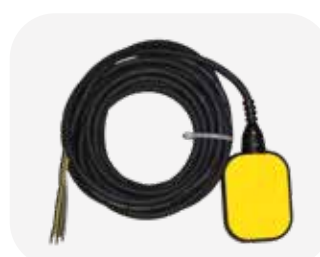
ZP Control 01	
Voltage	~1x110 - 230 V
Frequency	50/60 Hz
Max. current consumption	16 A
Max. medium temp.	40°C



ENS electronic level control	
Voltage	230 V
Frequenz	50 Hz
Max. current consumption	6,0 A
Max. medium temp.	40°C








ZP Control 05	
Voltage	~1x115 - 230 V
Frequency	50/60 Hz
Max. current consumption	30 (16) A
Max. medium temp.	60°C





Float switches	
Cable length	0,5 - 20 m
Available in the functions:	
•	„emptying“= oated on
•	„Filling“ = oated off
•	„Changing“ f. both functions
































Quick overview

-  Greywater
-  Clear water
-  Greasy waste water

































































-  Rain water
-  Sewage

-  Explosion protection
-  Salty

-  Condensate
-  Oily

	Pumped media	Max. free passage	Max. flow rate	Max. head
Waste water pumps				
ZPK		30 mm	11,0 m ³ /h	11 m
S-ZPK		30 mm	11,0 m ³ /h	11 m
FSP 330		1 mm	5,5 m ³ /h	7 m
ZM		10 mm	9,0 m ³ /h	11 m
TDP 800		3 mm	6,0 m ³ /h	30 m
Vectis		20 mm	15,0 m ³ /h	11 m
S-Vectis		10 mm	7,0 m ³ /h	7,5 m
E-ZW		30 mm	10,0 m ³ /h	14 m
E-ZWM		10 mm	8,5 m ³ /h	8,5 m
Drain Inox		10 mm	9,0 m ³ /h	20 m
Drainprofi B		10 mm	8,4 m ³ /h	23 m
Flood emergency kit E-ZW		10 mm	9,5 m ³ /h	14 m
Flood emergency kit Vectis		20 mm	11,0 m ³ /h	9 m
ZPG 50		45 mm	29,0 m ³ /h	16 m
ZPG 71		40 mm	53,0 m ³ /h	31 m
Solida 125 Cutter		cutting system	6,6 m ³ /h	14 m
Solida		50 mm	90,0 m ³ /h	20 m
Sewage pumps				
ZFS 71		cutting system	17,0 m ³ /h	39 m
ZF 80		80 mm	130,0 m ³ /h	17 m
ZF 100		100 mm	165,0 m ³ /h	22 m
Grease separator				
Grease separator mobil				
Free standing				
Earth installation				
Sewage lifting units				
SWH-F		30 mm	11 m ³ /h	11 m
D-SWH			3,9 m ³ /h	5 m
SWH 100		10 mm	14 m ³ /h	11 m
S-SWH 100		10 mm	14 m ³ /h	11 m
UFB 200		30 mm	11 m ³ /h	11 m
S-UFB 200		30 mm	11 m ³ /h	11 m
SWH 500		30 mm	10 m ³ /h	14 m
Condensate lifting unit				
ZKH 20		10 mm	0,34 m ³ /h	4,5 m

Quick overview

	Pumped media	Max. free passage	Max. flow rate	Max. head
Small sewage lifting units				
Microboy	  	cutting system	7,5 m ³ /h	11,8 m
Gerios	  	cutting system	7,5 m ³ /h	11 m
Sewage lifting units				
Kompaktboy	  	50 mm	49,0 m ³ /h	15 m
Kompaktboy SE 71	  	cutting system	17,0 m ³ /h	17 m
Boy	  	50 mm	60,0 m ³ /h	11 m
W 80	  	80 mm	60,0 m ³ /h	11 m
WUZ 100	  	80 mm	165,0 m ³ /h	22 m
Pumping station				
FPS Basis	    	see ZPG 50 + ZFS 71		
FPS-K	    	see ZPG 50 + ZPG 71 + ZFS 71		
Pumps for home and garden				
Garden 1000	 		3,6 m ³ /h	50 m
Garden 2000	 		5,0 m ³ /h	54 m
CPS	 		10,2 m ³ /h	75 m
Pressure boosting systems				
CPN	 		10,2 m ³ /h	62 m
DPA CPS	 		15,3 m ³ /h	62 m
ZPV	 		22,0 m ³ /h	116 m
BZPV	 		16,0 m ³ /h	94 m
Borehole pumps				
Aquastream	 		5,5 m ³ /h	50 m
TM 3"	 		6,0 m ³ /h	86 m
TM 4"	 		4,5 m ³ /h	68 m
Aquasub	 		5,4 m ³ /h	135 m
Aqua 5	 		5,7 m ³ /h	82 m
Rainsub 60	 		5,7 m ³ /h	57 m
Wellworker	 		24,0 m ³ /h	302 m
Rainwater harvesting systems				
Raincenter Pro 15			4,0 m ³ /h	40 m
Raincenter 25			5,2 m ³ /h	52 m
Tacomat 2			-	-
Tacomat 5			-	-
Drinking water separation station			4,5 m ³ /h	52 m

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