



## Product overview

---



## Small sewage lifting units for domestic waste water or sewage disposal

Possibility of draining, e.g. washbasin, shower, washing machine, water softener, bathtub, condensate, grease separator or WC

- Container volume from 1.5 up to 135 litres
- Power from 0.13 up to 0,43 kW
- Max. head up to 31 m; flow rate up to 84 m<sup>3</sup>/h
- Operating temperature 40°C (up to 90°C for a short time depending on type)



### Microboy / Microboy Pro



Power	0,35kW
Voltage	230 V
Max. flow rate	7,5 m <sup>3</sup> /h
Max. head	11 m
Solids handling	Cutting system
Pressure outlet	1 ¼" FPT



### SWH 100 / S-SWH 100



Power	0,13 up to 0,43kW
Voltage	230 V
Max. flow rate	14 m <sup>3</sup> /h
Max. head	11 m
Solids handling	10 mm
Pressure outlet	1 ¼" FPT



### UFB 200 / S-UFB 200



Power	0,13 up to 0,43 kW
Voltage	230 V
Max. flow rate	11 m <sup>3</sup> /h
Max. head	11 m
Solids handling	30 mm
Pressure outlet	1 ¼" MPT



### SWH 500 / SWH 500 F



Power	0,21 up to 0,43 kW
Voltage	230 V
Max. flow rate	11 m <sup>3</sup> /h
Max. head	10 up to 14 m
Solids handling	30 mm
Pressure outlet	1 ¼" FPT



### ZKH



Power	0,14 kW
Voltage	230 V
Max. flow rate	360 l/h
Max. head	5,2 m
Solids handling	k.a.
Pressure outlet	hose barb 6 or 9 mm



available as single and double unit



On our website [www.zehnder-pumpen.de](http://www.zehnder-pumpen.de) we provide a wide range of information about our pumps and systems. In addition to technical data sheets of the individual systems, you will also find 3D Pdf's.

## Lifting units for domestic, commercial and public waste water and sewage disposal

Possibility to drain washbasin, shower, bathtub, WC's, water softener, as well as disposal of condensate and industrial waste water (no acid or other aggressive media)

- generally double sealing system (mechanical seal and shaft seal, 2 x mechanical seal or cast iron seal + shaft seal)
- Container volume 55 - 1,000 litres
- Power from 1.1 up to 7.5 kW
- Max. head up to 39 m
- Flow rate up to 165 m<sup>3</sup>/h
- Operating temperature 40°C (short-term up to 90°C)



### Kompaktboy Simplex

Power	1,1 up to 3,0 kW
Voltage	230 und 400 V
Max. flow rate	49 m <sup>3</sup> /h
Max. head	15 m
Solids handling	50 mm
Pressure outlet	DN 100
Container volume	55 l



### W 80 Simplex

Power	3,0 kW
Voltage	400 V
Max. flow rate	60 m <sup>3</sup> /h
Max. head	11 m
Solids handling	80 mm
Pressure outlet	DN 100
Container volume	350 l



### Kompaktboy Duplex

Power	1,1 up to 3,0 kW
Voltage	230 und 400 V
Max. flow rate	49 m <sup>3</sup> /h
Max. head	15 m
Solids handling	50 mm
Pressure outlet	DN 100
Container volume	150 l



### W 80 Duplex

Power	3,0 kW
Voltage	400 V
Max. flow rate	60 m <sup>3</sup> /h
Max. head	11 m
Solids handling	80 mm
Pressure outlet	DN 100
Container volume	480 l



### Kompaktboy SE 71 Simplex

Power	1,7 up to 3,2 kW
Voltage	230 und 400 V
Max. flow rate	17 m <sup>3</sup> /h
Max. head	39 m
Solids handling	Cutting system
Pressure outlet	DN 50
Container volume	55 l



### WUZ 100 Simplex

Power	3,0 up to 7,5 kW
Voltage	400 V
Max. flow rate	165 m <sup>3</sup> /h
Max. head	22 m
Solids handling	80 up to 100 mm
Pressure outlet	DN 100
Container volume	480 l



### Kompaktboy SE 71 Duplex

Power	1,7 up to 3,2 kW
Voltage	400 V
Max. flow rate	17 m <sup>3</sup> /h
Max. head	39 m
Solids handling	Cutting system
Pressure outlet	DN 50
Container volume	150 l



### WUZ 100 Duplex

Power	3,0 up to 7,5 kW
Voltage	400 V
Max. flow rate	165 m <sup>3</sup> /h
Max. head	22 m
Solids handling	80 up to 100 mm
Pressure outlet	DN 100
Container volume	1000 l



## Waste water pumps

Possibility of draining washbasin, shower, washing machine, bathtub, water softener, grease separator as well as disposal of condensate water and rainwater.

- Double sealing by mechanical seal or mechanical seal and shaft seal ring
- Power from 0.13 up to 3.4 kW
- Max. head up to 30 m; flow rate up to 54 m<sup>3</sup>/h



### ZPK / S-ZPK

Power	0,13 up to 0,43 kW
Voltage	230 V
Max. flow rate	11 m <sup>3</sup> /h
Max. head	11 m
Solids handling	30 mm
Pressure outlet	1¼" MPT



### ZM

Power	0,16 up to 0,35 kW
Voltage	230 V
Max. flow rate	9,0 m <sup>3</sup> /h
Max. head	11,0 m
Solids handling	10 mm
Pressure outlet	1" MPT



### E-ZW

Power	0,21 up to 0,43 kW
Voltage	230 V
Max. flow rate	10 m <sup>3</sup> /h
Max. head	14 m
Solids handling	30 mm
Pressure outlet	1¼" FPT



### TDP 800

Power	0,41 kW
Voltage	230 V
Max. flow rate	6,0 m <sup>3</sup> /h
Max. head	30 m
Solids handling	3 mm
Pressure outlet	1" MPT



### Drain WX

Power P <sub>1</sub>	0,72 up to 2,05 kW
Voltage	230 / 400 V
Max. flow rate	25,2 m <sup>3</sup> /h
Max. head	20,6 m
Solids handling	8 mm
Pressure outlet	1½" FPT



### FSP 330

Power	0,16 kW
Voltage	230 V
Max. flow rate	5,5 m <sup>3</sup> /h
Max. head	7,0 m
Solids handling	1 mm
Pressure outlet	1" MPT



### Drain Inox 50 MA

Power P <sub>1</sub>	0,45 kW
Voltage	230 V
Max. flow rate	9,0 m <sup>3</sup> /h
Max. head	8,0 m
Solids handling	10 mm
Pressure outlet	1¼" FPT



### Drain Inox 90 MA

Power P <sub>1</sub>	0,55 kW
Voltage	230 V
Max. flow rate	15,0 m <sup>3</sup> /h
Max. head	13,0 m
Solids handling	10 mm
Pressure outlet	1½" FPT



\*also available with electronic level control  
ENS 1.1. for FSP

### Solida 125 Cutter

Power P <sub>1</sub>	1,18 kW
Voltage	230 / 400 V
Max. flow rate	6,6 m <sup>3</sup> /h
Max. head	30,0 m
Solids handling	Cutting system
Pressure outlet	1½" FPT



### ZPG 50

Power	0,55 up to 1,5 kW
Voltage	230 / 400 V
Max. flow rate	29 m <sup>3</sup> /h
Max. head	16,1 m
Solids handling	45 mm
Pressure outlet	DN 50 / 2" FPT



### Solida conduit / vortex impeller

Power P <sub>1</sub>	0,55 up to 3,4 kW
Voltage	230 / 400 V
Max. flow rate	90 m <sup>3</sup> /h
Max. head	20,5 m
Solids handling	50 mm
Pressure outlet	1½" up to 3" FPT



### ZPG 71

Power	1,6 up to 3,2 kW
Voltage	230 / 400 V
Max. flow rate	53 m <sup>3</sup> /h
Max. head	31 m
Solids handling	40 mm
Pressure outlet	DN 50



### Drainprofi B

Power	2,0 up to 7,0 kW
Voltage	230 und 400 V
Max. flow rate	84 m <sup>3</sup> /h
Max. head	23 m
Solids handling	10 mm
Pressure outlet	B or C Storz coupling



## Sewage pumps

- transportable use and permanent installation in plastic and concrete manholes with coupling system
- flow rate up to 165 m<sup>3</sup>/h

### ZF 80

Power	2,5 up to 3,3 kW
Voltage	400 V
Max. flow rate	130 m <sup>3</sup> /h
Max. head	17 m
Solids handling	80 mm
Pressure outlet	DN 100



### ZFS 71

Power	1,6 up to 3,2 kW
Voltage	230 und 400 V
Max. flow rate	17 m <sup>3</sup> /h
Max. head	39 m
Solids handling	Cutting system
Pressure outlet	DN 50



### ZF 100

Power	3,3 up to 7,5 kW
Voltage	400 V
Max. flow rate	165 m <sup>3</sup> /h
Max. head	22 m
Solids handling	100 mm
Pressure outlet	DN 100



## Borehole pumps

for domestic water supply, irrigation and rainwater utilisation from wells or cisterns

also available as complete packages for irrigation and water supply

with wear-resistant plastic hydraulics

### Rainsub 60

Power	1,25 kW
Voltage	230 V
Max. flow rate	5,7 m <sup>3</sup> /h
Max. head	57 m
Outer diameter	Ø 190 mm
Pressure outlet	1" FPT

blueZPring  
made for zahnder pumps



### TM 3"

Power	0,46 up to 1,5 kW
Voltage	230 V
Max. flow rate	6,0 m <sup>3</sup> /h
Max. head	86 m
Outer diameter	Ø 78 mm
Pressure outlet	1" FPT

zahnder  
PUMPEN



### Aquainox

Power	1,1 up to 3,0 kW
Voltage	230 V / 400 V
Max. flow rate	19,2 m <sup>3</sup> /h
Max. head	89 m
Outer diameter	Ø 145 mm
Pressure outlet	2" FPT

blueZPring  
made for zahnder pumps



### TM 4"

Power	0,8 up to 1,2 kW
Voltage	230 V
Max. flow rate	4,5 m <sup>3</sup> /h
Max. head	100 m
Outer diameter	Ø 99 mm
Pressure outlet	1" FPT

zahnder  
PUMPEN



### Wellworker

Power	0,37 up to 7,5 kW
Voltage	230 V / 400 V
Max. flow rate	24,0 m <sup>3</sup> /h
Max. head	262 m
Outer diameter	Ø 99 mm
Pressure outlet	1½" / 2" FPT

blueZPring  
made for zahnder pumps



### Aquastream

Power	0,8 kW
Voltage	230 V
Max. flow rate	5,5 m <sup>3</sup> /h
Max. head	50 m
Outer diameter	Ø 96 mm
Pressure outlet	1" FPT

blueZPring  
made for zahnder pumps



### Aquasub

Power	0,9 up to 2,0 kW
Voltage	230 V / 400 V
Max. flow rate	5,4 m <sup>3</sup> /h
Max. head	135 m
Outer diameter	Ø 100 mm
Pressure outlet	1" / 1¼" FPT

blueZPring  
made for zahnder pumps



### Aqua 5

Power	1,0 up to 1,8 kW
Voltage	230 V / 400 V
Max. flow rate	5,7 m <sup>3</sup> /h
Max. head	82 m
Outer diameter	Ø 127 mm
Pressure outlet	1¼" FPT

blueZPring  
made for zahnder pumps



## Rainwater harvesting systems

Rainwater utilisation from cisterns or wells with automatic drinking water replenishment in case of water shortage

Operation with jet and centrifugal pumps possible  
electronic speed control possible



### Raincenter Pro 15

Power	0,9 kW
Voltage	230 V
Max. flow rate	4,0 m <sup>3</sup> /h
Max. head	40 m
Pressure outlet	1" MPT



### Raincenter 25

Power	1,35 kW
Voltage	230 V
Max. flow rate	5,2 m <sup>3</sup> /h
Max. head	52 m
Pressure outlet	1" MPT



### Tacomat 2

Power	no pump included
Voltage	230 V
Make-up volume	3,5 m <sup>3</sup> /h
Container volume	3,5 l



### RWNA

Power	0,85 up to 1,5 kW
Voltage	230 V
Max. flow rate	9,0 m <sup>3</sup> /h
Max. head	62 m
Pressure outlet	1¼" MPT



### Tacomat 5

Power	no pump included
Voltage	230 V
Make-up volume	5,0 m <sup>3</sup> /h
Container volume	19,0 l



### Water isolation station

Power	0,9 tu 1,35 kW
Voltage	230 V
Max. flow rate	5,2 m <sup>3</sup> /h
Max. head	52 m
Pressure outlet	1" MPT



### Lademax

Power	0,78 kW
Voltage	230 V
Max. flow rate	13,5 m <sup>3</sup> /h
Max. head	11 m
Pressure outlet	1¼" FPT



## Booster units

- for domestic water supply, irrigation, and rainwater use from wells or cisterns
- various accessories available



### Single-stage jet pumps

Power	0,35 up to 1,3 kW
Voltage	230 V
Max. flow rate	5,0 m <sup>3</sup> /h
Max. head	60 m
Pressure outlet	1" FPT



### Multi-stage centrifugal pumps

Power	0,7 up to 1,3 kW
Voltage	230 V
Max. flow rate	6,0 m <sup>3</sup> /h
Max. head	50 m
Pressure outlet	1" FPT



### CPS

Power	0,9 up to 2,8 kW
Voltage	230 V
Max. flow rate	10,2 m <sup>3</sup> /h
Max. head	75 m
Pressure outlet	1" FPT



### Booster units

Power	0,35 up to 1,3 kW
Voltage	230 V
Max. flow rate	6,0 m <sup>3</sup> /h
Max. head	60 m
Pressure outlet	1" MPT



### Booster units with pressure switch

Power P <sub>1</sub>	1,0 kW
Voltage	230 V
Max. flow rate	3,6 m <sup>3</sup> /h
Max. head	50,0 m
Pressure outlet	1" FPT



### Booster sets with digital pressure switch incl. dry-running protection

Power	0,7 up to 1,3 kW
Voltage	230 V
Max. flow rate	6,0 m <sup>3</sup> /h
Max. head	50 m
Pressure outlet	1" FPT



### Booster units with pressure switch

Power P <sub>1</sub>	0,9 up to 2,0 kW
Voltage	230 V
Max. flow rate	9,0 m <sup>3</sup> /h
Max. head	60,0 m
Pressure outlet	1" FPT



### Garden 1000

Power	1,0 kW
Voltage	230 V
Max. flow rate	3,6 m <sup>3</sup> /h
Max. head	50 m
Pressure outlet	1" FPT



### Booster sets with digital pressure switch incl. dry-running protection

Power	0,9 up to 2,0 kW
Voltage	230 V
Max. flow rate	9,0 m <sup>3</sup> /h
Max. head	62 m
Pressure outlet	1" FPT





## Pond suction cleaner

- for cleaning swimming pools or ponds, removal of accidents and floods, complete emptying of containers
- mobile diaphragm pump with dry-running function

### USS 3000 / 4000

Power	0,15 up to 0,75 kW
Voltage	230 V
Max. flow rate	3 up to 5,8 m <sup>3</sup> /h
Max. suction head	6,5 m
Solids handling	15 mm
Pressure outlet	1 ¼" FPT



## Grease separators

- for waste water treatment in gastronomic and meat processing plants (NS 1 - NS 10), for mobile snack stands and mobile dishwashers with occasional food preparation (NS 0.5)

### Grease separator eart installation

Nominal size	NS 2 up to NS 10
Sludge trap	max. 1.500 l
Grease reservoir	max. 600 l
Material	PE



### Mobile grease separator

Nominal size	NS 0,5
Sludge trap	8 l
Grease reservoir	24 l
Material	PE



### Grease separator free-standing

Nominal size	NS 1 up to NS 10
Sludge trap	max. 1.001 l
Grease reservoir	max. 409 l
Material	PE



available with flushing and disposal device

## Controls (excerpt)

- electronic level controls
- Automatic controls for single or double pump systems
- three-phase switchgear
- electronic speed controls
- electronic pressure switches

### ZP Speedcontrol

Voltage	230 V
Frequency	50/60 Hz
Nominal current	9/10 (3x230V) A
Temperature	40°C



### ZPS

Voltage	230 V
Frequency	50 Hz
Nennstrom	14 A
Max. temperature	n.a. because of dynamic pressure measurement



### ZP Control 01

Voltage	230 V
Frequency	50/60 Hz
Nominal current	16 A
Max. temperature	50°C



### ZP Control Ad Pro

Voltage	230 V
Frequency	50/60 Hz
Nominal current	12 A
Max. temperature	60°C



### ENS eelectronic level control

Voltage	230 V
Frequency	50 Hz
Nominal current	6,0 A
Max. temperature	40°C



## Wastewater and sewage lifting units for Drainage of single-family houses and apartment buildings outdoors

- completely pre-installed and easy to install due to low dead weight
- Pump shaft for the reception of waste water pumps of the ZFS 71 series or submersible sewage pumps of the ZPG 50 and ZPG 71 series
- Depending on pump type, washbasin, shower, bathtub, grease separator (all types), domestic wastewater (ZFS 71 only) and rainwater (ZPG 50 and ZPG 71 only) can be pumped as well as drainage water.
- Level control ZPS for controlling the pumps



### Pumping station FPS Basis

Model	Single unit
Material	corrosion-resistant PE-LLD
Piping	DN 32, stainless steel, completely assembled
Inlet	1 x DN 150, additional inlets on request
Pressure outlet	PE-HD 63 x 5,8
Additional connections	2 x DN 100 for cable gland and air vent
Max. inlet depth	1190 up to 1270 mm
Total height*	1365 up to 1675 mm
Diameter	806 mm
Configuration	gate valve, ball non-return valve, guide rail, guide chain, coupling system

\* incl. top section and BEGU-manhole cover

available BEGU-manhole covers:  
class A accessible  
class B drivable (car)  
class D drivable (truck)



FPS-Basis

### Pumping station FPS-KE / FPS-KD

Model	Single (KE) or double unit (KD)
Material	corrosion-resistant PE-LLD
VPiping	DN 50, stainless steel, completely assembled
Inlet	1 x DN 150, additional inlets on request
Pressure outlet	PE-HD 63 x 5,8
Additional connections	2 x DN 100 for cable gland and air vent
Max. inlet depth	1360 up to 2940 mm
Total height*	1730 up to 3540 mm
Diameter	1100 mm
Configuration	gate valves, ball non-return valves, guide rails, guide chains, coupling system

\* incl. top section and BEGU-manhole cover

available BEGU-manhole covers:  
class A accessible  
class B drivable (car)  
class D drivable (truck)



FPS-KE /-KD

## Booster systems

- digital, speed-regulated pump control for maintaining constant pressure
- completely pre-assembled
- available at short notice



### CPN with ZP Speedcontrol Basic

Power	1,1 up to 2,2 kW
Voltage	230 V
Max. flow rate	10,2 m <sup>3</sup> /h
Max. head	62 m
Pressure outlet	1" FPT

blueZPring  
made for outdoor pumps



### CPN with ZP Speedcontrol Comfort

Power	1,1 up to 2,2 kW
Voltage	230 V
Max. flow rate	10,2 m <sup>3</sup> /h
Max. head	62 m
Pressure outlet	1" FPT

blueZPring  
made for outdoor pumps



### BZPV Single unit

Power	0,75 up to 2,2 kW
Voltage	400 V
Max. flow rate	8 m <sup>3</sup> /h
Max. head	94 m
Pressure outlet	1¼" FPT

blueZPring  
made for outdoor pumps



### DPA CPS / CPN mit ZP Speedcontrol Comfort

Power	0,9 up to 2,2 kW
Voltage	230 V
Max. flow rate	15,2 m <sup>3</sup> /h
Max. head	62,0 m
Pressure outlet	1½" FPT

blueZPring  
made for outdoor pumps



### BZPV Double unit

Power	0,75 up to 2,2 kW
Voltage	400 V
Max. flow rate	16 m <sup>3</sup> /h
Max. head	94 m
Pressure outlet	2" FPT

blueZPring  
made for outdoor pumps



- compact pressure increase with 1-4 vertical centrifugal pumps for drinking water supply
- fire-fighting supply
- electronically or manually controlled
- Max. head: 24 m
- Max. flow rate 240 m<sup>3</sup>/h



Zehnder Pumpen GmbH  
Zwönitzer Str. 19  
08344 Grünhain-Beierfeld  
Germany

Phone: +49 (0) 3774 52-100  
[info@zehnder-pumpen.de](mailto:info@zehnder-pumpen.de)  
[www.zehnder-pumpen.de](http://www.zehnder-pumpen.de)