



# PUMP TECHNOLOGY CATALOG

Submersible pumps and accessories  
Pumping stations, installation kits and control units

EDITION  
2026





**AQUATO®**  
umweltechnologien

## DEAR CUSTOMER,

With this catalog, we provide you with a comprehensive selection of pumps. In addition, you will find all the components required to build complete pumping stations for wastewater and rainwater.

For more than 17 years, our product range has served one clear purpose: to support you in your daily work and make everyday tasks easier.

### WEBSHOP



[shop.aquato.de/en/](http://shop.aquato.de/en/)

### E-MAIL



[info@aquato.de](mailto:info@aquato.de)

### TELEPHONE



+49 5221 10 219 -0

## DELIVERY CONDITIONS

The prices in this catalog are list prices as of the date of printing. These may change during the year for individual items or product groups. Please refer to the digital catalog on our website, which is regularly updated.

In addition, the items listed here are assigned to different discount groups. The discount group indicator can be found next to the price tables.

## DISCOUNT GROUPS



- Accessories



- Pressure drainage



- Rainwater

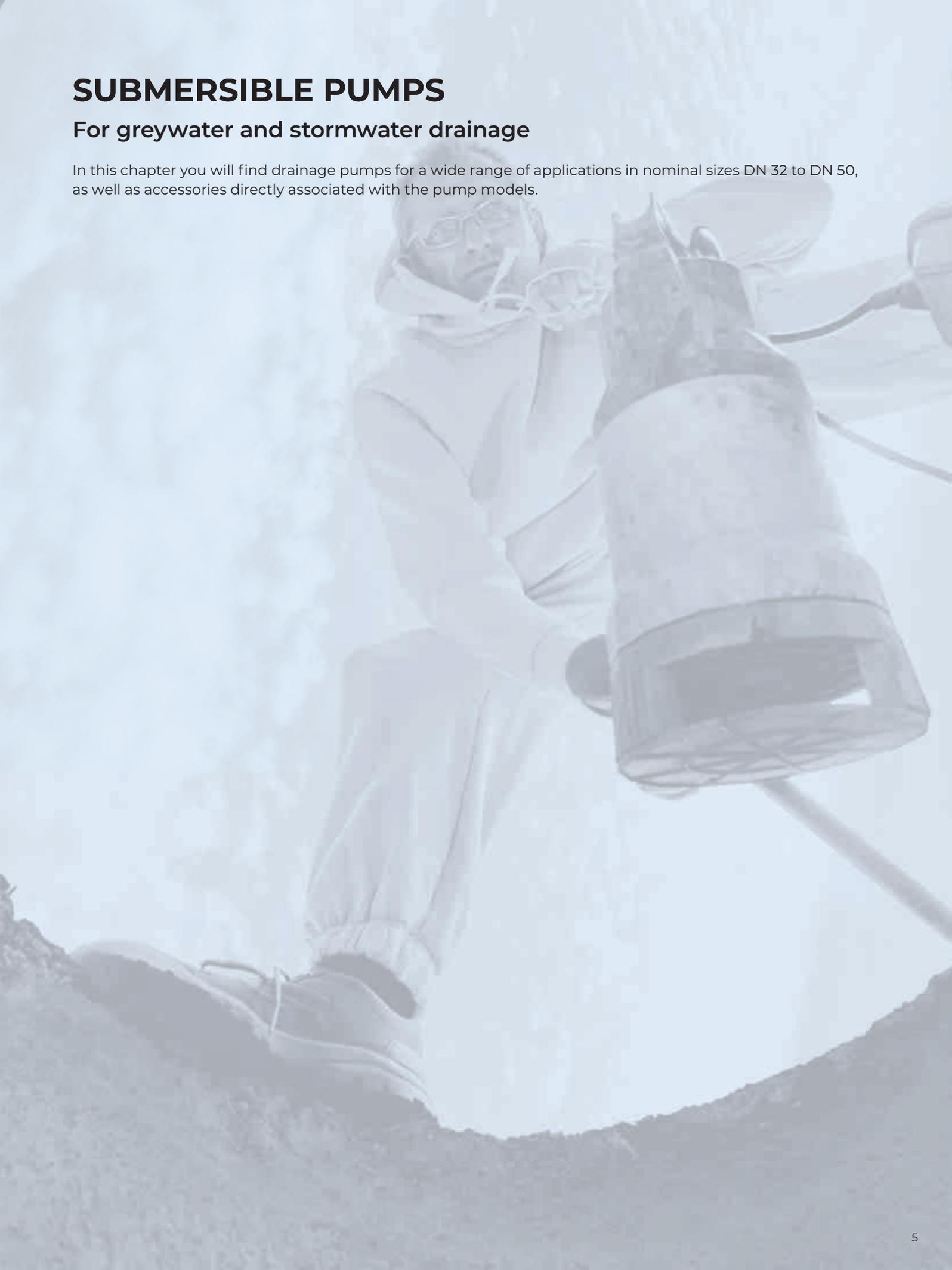
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# SUBMERSIBLE PUMPS

## For greywater and stormwater drainage

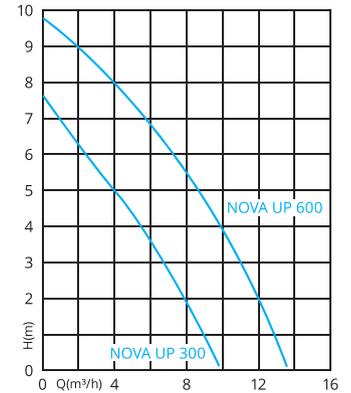
In this chapter you will find drainage pumps for a wide range of applications in nominal sizes DN 32 to DN 50, as well as accessories directly associated with the pump models.



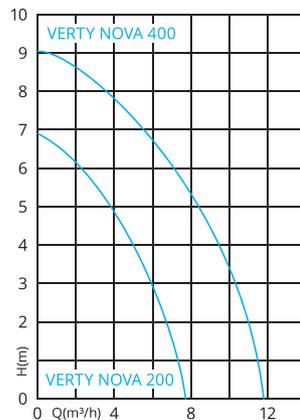
# NOVA UP



Typ	180 M-NA	180 M-A	300 M-NA	300 M-A
Cable length	10 m			
Discharge	1¼" AG			
Free passage	10 mm			
Motor power	0,12 kW		0,21 kW	
Rated current	1,2 A		1,5 A	
Voltage	230 V/50 Hz			
Float switch	no	yes	no	yes
Delivery head	5,4 m		7,6 m	
Flow rate Q	7 m³/h		9 m³/h	
Weight	5,1 kg	5,3 kg	5,6 kg	5,8 kg
Prices	€355,00	€366,00	€384,00	€389,00
Art.-No	100156	100154	100157	100155



## VERTY NOVA



## DRENAG



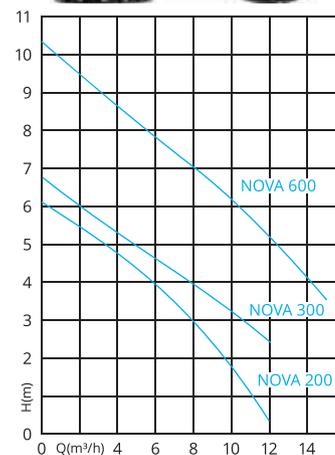
Typ	200 M-A	400 M-A
Cable length	10 m	
Discharge	1¼" AG	
Free passage	5 mm	
Motor power	0,28 kW	0,40 kW
Rated current	1,5 A	1,6 A
Voltage	230 V/50 Hz	
Float switch	yes	
Delivery head	6,9 m	9 m
Flow rate Q	7 m³/h	10 m³/h
Weight	4,2 kg	5,1 kg
Prices	€372,00	€402,00
Art. No	100121	100126



Typ	300 M-A	600 M-A
Cable length	10 m	
Discharge	1¼" IG	
Free passage	10 mm	
Motor power	0,25 kW	0,45 kW
Rated current	1,8 A	3 A
Voltage	230 V/50 Hz	
Float switch	yes	
Delivery head	6,8 m	10 m
Flow rate Q	8,5 m³/h	13,5 m³/h
Gewicht	5,5 kg	6,2 kg
Prices	€587,00	€593,00
Art. No	102760	102752

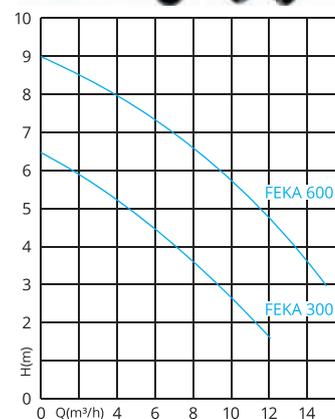
## NOVA

Typ	200 M-NA	300 M-A	600 M-NA	600 M-A
Cable length	10 m	5 m	10 m	5 m
Discharge	1¼" IG			
Free passage	5 mm	10 mm		
Motor power	0,22 kW		0,5 kW	
Rated current	1,5 A		3,0 A	
Voltage	230 V/50 Hz			
Float switch	no	yes	no	yes
Delivery head	6,6 m	6,8 m	10,2 m	
Flow rate Q	12 m³/h	12,9 m³/h	15,9 m³/h	
Weight	5,3 kg	5 kg	7 kg	
Connection elbow	30 mm	30 mm	1¼" AG/AG	
Prices	€315,00	€355,00	€570,00	€547,00
Art. No	100125	100127	100132	100128



## FEKA

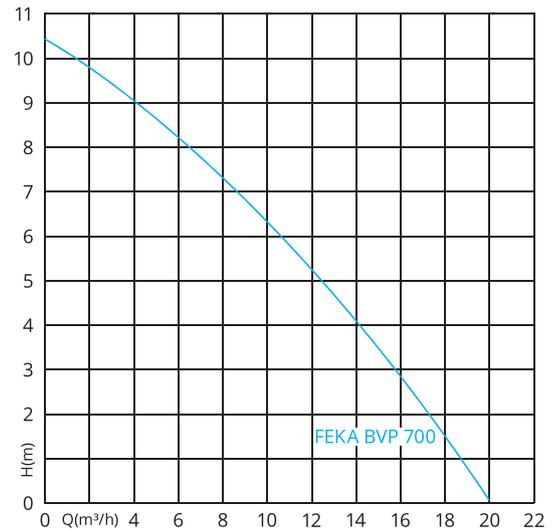
Typ	300 M-NA	300 M-A	600 M-NA	600 M-A
Cable length	10 m	5 m	10 m	5 m
Discharge	1¼" IG			
Free passage	25 mm			
Motor power	0,5 kW		1,0 kW	
Rated current	1,9 A		4,3 A	
Voltage	230 V/50 Hz			
Float switch	no	yes	no	yes
Delivery head	7,4 m		7,45 m	
Flow rate Q	12 m³/h		15,9 m³/h	
Weight	4,6 kg		6,7 kg	7 kg
Prices	€420,00	€425,00	€450,00	€425,00
Art. No	100676	100675	100135	100129



## FEKA BVP



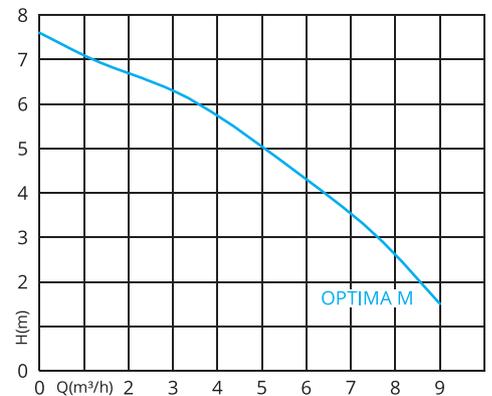
Typ	700 M-A
Cable length	10 m
Discharge	1½" IG
Free passage	38 mm
Motor power	0,7 kW
Rated current	4,6 A
Voltage	230 V/50 Hz
Float switch	yes
Delivery head	10,5 m
Flow rate Q	18 m³/h
Weight	8 kg
Prices	€683,00
Art. No	102719



## OPTIMA



Typ	OPTIMA M	OPTIMA M-A	OPTIMA M-S
Cable length	10 m		5 m
Discharge	1¼" IG		
Free passage	10 mm		
Motor power	0,25 kW		
Rated current	1,9 A		
Voltage	230 V/50 Hz		
Float switch	no	yes	
Delivery head	7 m		
Flow rate Q	9 m³/h		
Weight	4,2 kg	4,4 kg	4,6 kg
Prices	€397,50	€328,00	€495,00
Art. No	101991	100149	100148



## Flat suction kit

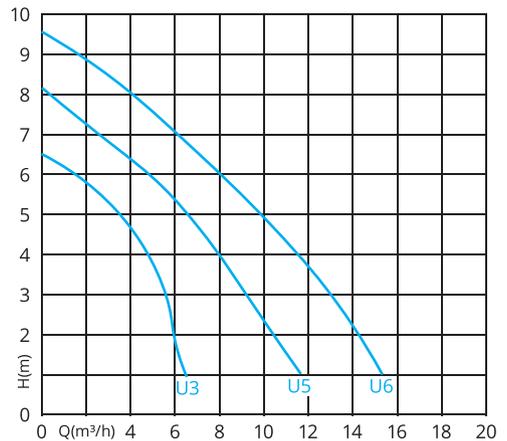
- for OPTIMA/BEST ONE
- pumping to a residual water level of 3 mm



Art. No	Prices
102804	€81,00

## U3 KS/U3 KS (spezial), U5 KS, U6 K ES

Typ	U3 KS	U3 KS (spezial)	U5 KS	U6 K ES
Cable length	10 m			
Discharge	1¼" IG			
Free passage	10 mm		10/20 mm	
Motor power	0,32 kW		0,52 kW	0,75 kW
Rated current	1,4 A		2,3 A	3,3 A
Voltage	230 V/50 Hz			
Float switch	yes			
Delivery head	7 m		8 m	9,5 m
Flow rate Q	6,5 m³/h		11,5 m³/h	15,5 m³/h
Weight	4,3 kg		5,4 kg	6,2 kg
Connection elbow	IG/IG			
Prices	€385,00	€559,00	€549,00	€919,00
Art. No	140005	102490	140152	140154



### Drainage set U6

Typ	Drainageset U6
Cable length	20 m
Discharge	1¼"
Free passage	10/20 mm
Motor power	0,75 kW
Rated current	3,3 A
Voltage	230 V/50 Hz
Float switch	yes
Delivery head	9 m
Flow rate	15,5 m³/h
Weight	9 kg
Prices	€1.320,00
Art. No	140156



Performance data similar to U6



### Multidrain UV3 SF

Typ	UV3 SF
Cable length	10 m
Discharge	1¼" IG
Free passage	10 mm
Motor power	0,34 kW
Rated current	1,5 A
Voltage	230 V/50 Hz
Float switch	yes
Delivery head	7 m
Flow rate	6,8 m³/h
Weight	5,3 kg
Prices	€585,00
Art. No	102759



Performance data similar to U3

## Fixed installation and accessories

R  
%

### Pump installation kit DN 32

- For installing a wastewater pump in small plastic tanks
- Optimized for PE tank Basic
- Supplied without tank and pump

Including stainless steel discharge pipe, ball valve, Camlock quick coupling, check valve, and adjustable PP pipe set.

For submersible pumps with 1½" discharge outlet  
Up to a maximum of DAB FEKA 600  
or JUNG PUMPEN U6K ES (as illustrated).

- PE tank Ø 0.60 m
- Inlet / outlet ports DN 100 / DN 150
- 2 upper and 2 lower connections



Art. No.	Typ	Prices
140601	Set	€290,00
103678	Tank	€697,00



R  
%

### Guide rail system GR 32

- Installation kit for installing a pump with quick coupling inside the sump
- Suitable for U3 KS (special), U5 KS and U6 K ES



Art. No.	Prices
140174	€89,00

R  
%

### Easyfix 32 single

- Ready-to-connect installation kit including GR 32 and R 32
- For single pump systems in sumps from 400 × 300 mm
- Suitable for U3 KS (special), U5 KS and U6 K ES



Art. No.	Prices
140004	€345,00

R  
%

### Easyfix 32 duo

- Ready-to-connect installation kit including 2× GR 32 and R 32
- For duplex pump systems in sumps from 500 × 500 mm
- Suitable for U3 KS (special), U5 KS and U6 K ES
- Plug-and-play pump control unit with alarm circuit included



Art. No.	Prices
140003	€1.885,00

R  
%

### Non-return valve R 32

- GRP housing with 1½" female thread
- With drain plug for pressure pipe
- Suitable for all submersible pumps with 1½" discharge outlet



Art. No.	Preis
140172	€73,00

R  
%

### Float switch holder

- For JUNG Pumpen
- Suitable for U3 KS (special), U5 KS and U6 K ES



Art. No.	Prices
102674	€15,00

R  
%

### Special float switch

- For narrow sumps
- Suitable for U3 KS (special), U5 KS and U6 K ES

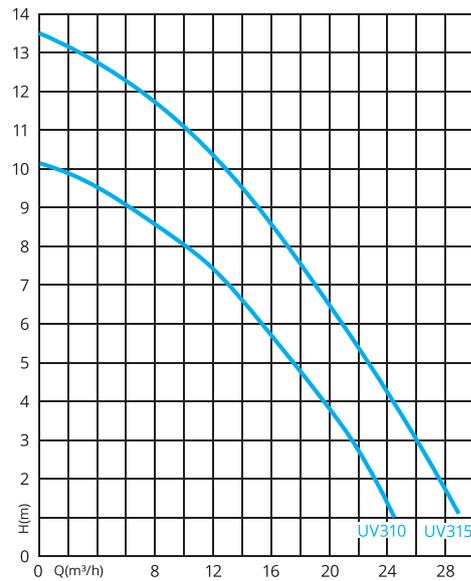


Art. No.	Prices
101387	€99,00

## Multidrain UV310-1 S und 315-1S



Typ	UV310-1 S	UV315-1S
Cable length	10 m	
Discharge	1½" IG	
Free passage	10 mm	
Motor power	1,3 kW	1,83 kW
Rated current	5,8 A	8,2 A
Voltage	230 V/50 Hz	
Float switch	yes	
Delivery head	10 m	13 m
Flow rate	24,5 m³/h	28 m³/h
Weight	20 kg	
Prices	€1.540,00	€1.590,00
Art. No	140158	140160



Additional MultiDrain pumps, also available in a 400 V version, are available on request..

## Valve set DN 40

- For pumps with 1¼" / 1½" discharge outlet
- For PE pipe Ø 50 mm

Consisting of:

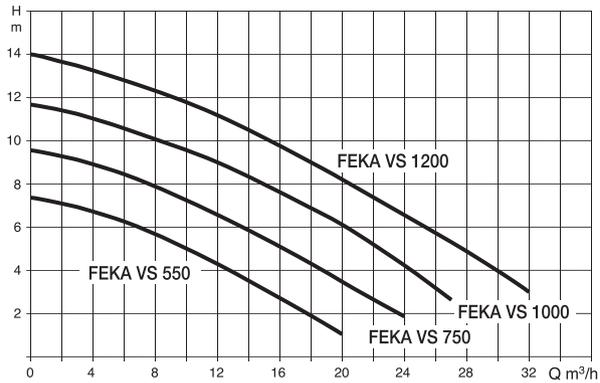
- 1× ball valve 2"
- 1× non-return valve 2"
- 2× compression fittings 2"
- 1× PP compression elbow 2"



Art. No	DN	Prices
130002	40	€209,00



## FEKA VS



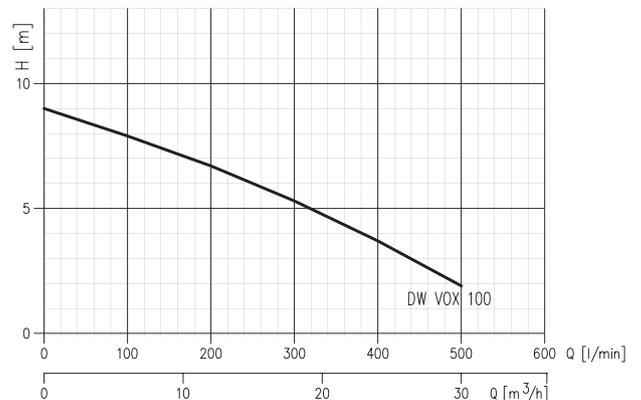
Typ	550 M-NA	550 M-A	750 M-NA	750 M-A	1000 M-NA	1000 M-A	1200 M-NA	1200 M-A
Cable length	10 m							
Discharge	2" IG							
Free passage	50 mm							
Motor power	0,55 kW		0,75 kW	1,11 kW	1,46 kW	1,0 kW	1,93 kW	
Rated current	4,2 A		5,13 A		6,63 A		8,63 A	
Voltage	230 V/50 Hz							
Float switch	no	yes	no	yes	no	yes	no	yes
Delivery head	7,4 m		9,6 m		11,8 m		14 m	
Flow rate	20 m³/h	18 m³/h	24 m³/h			27 m³/h	32 m³/h	
Weight	16,3 kg				19 kg	19,3 kg	20 kg	20,8 kg
Prices	€990,00	€995,00	€892,00	€1,047,00	€1.150,00	€1.165,00	€1.235,00	€1.240,00
Art. No	102447	102446	102255	101395	102546	100895	102547	100136

All NA types are also available in three-phase versions.

## DW VOX



Typ	DW VOX M 100 A
Cable length	10 m
Discharge	2" IG
Free passage	50 mm
Motor power	5,8 A
Rated current	0,75 kW
Voltage	230 V/50 Hz
Delivery head	9 m
Flow rate	30 m³/h
Weight	17,6 kg
Prices	€1.660,50
Art. No	100110



## Stainless steel chain

- Length: 3 m
- With shackle



Art. No	Prices
102712	€159,00



## Valve set DN 50

- For pumps with 1½" / 2" discharge outlet
- For PE pipe Ø 63 mm

Consisting of: 1× ball valve 2"  
1× non-return valve 2"  
2× compression fittings 2"  
1× PP compression elbow 2"



Art. No	Prices
130005	€219,00



## PE Y-piece pipe 2"

- Horizontal discharge DN50
- 360 mm spacing
- 3× 2" female thread



Art. No	Prices
140042	€359,00



## Ball check valve

- Material: ductile cast iron, epoxy-coated (GGG40)
- Female thread: 2"
- Working pressure: 10 bar
- Temperature: max. 100 °C



Art. No	Prices
101807	€138,50



## Brass gate valve 2"

- DN50

Art. No	Prices
140102	€95,50



## Flooding pumps and accessories

Here you will find products to quickly and easily dry out basements in an emergency.

### Flutbox



Typ	<b>U5 KS</b>	
Cable length	10 m	
Discharge	1¼" IG	
Free passage	10/20 mm	
Motor power	0,52 kW	
Rated current	2,3 A	
Voltage	230 V/50 Hz	
Float switch	yes	
Delivery head	8 m	
Flow rate	11,5 m³/h	
Weight	5,4 kg	
Connection elbow	IG/IG	



Characteristic curve identical to U5

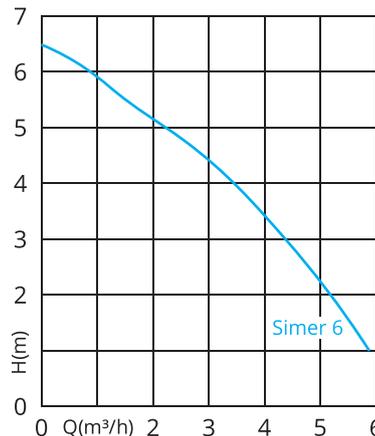
JUNG U5 KS with carrying basket (300 × 400 mm)  
12.5 m flat hose with C coupling  
Mounting bracket and float switch holder

Art. No	Prices
140166	€579,00

### Simer 6/6S



Typ	Simer 6	Simer 6S
Cable length	10 m	
Discharge	1¼" IG	
Free passage	2 mm	
Motor power	0,24 kW	
Rated current	1 A	
Voltage	230 V/50 Hz	
Float switch	no	yes
Delivery head	6,5 m	
Flow rate	6 m³/h	
Weight	5,3 kg	
Prices	€269,00	€329,00
Art. No	140168	140170



Flat suction down to a residual water level of 2 mm



including hose tail and non-return valve

## C hose kink protection

- Material: Aluminium



Art. No	Prices
140050	€60,00



## C-coupling & hoses

- Coupling: System Storz DN50
- Flat hose with Storz coupling



Art. No	Type	Ø	Length	Prices
140051	coupling	1¼" AG		€30,00
103498	coupling	1½" AG		€30,00
140053	hose	52 mm	10 m	€80,00



## Carrying basket

- Euro-box basket
- Material: plastic
- W×H×D: 400 × 320 × 600 mm



Art. No	Prices
140055	€30,00



## RCD protection

- Personal protection plug
- 30 mA



Art. No	Prices
140056	€77,00



## Silo sandbags

- Set of 5 elongated fabric tube bags
- For self-filling with 15 kg of sand
- Filled length: 72 cm



Art. No	Prices
140057	€29,00



Combine your individual flood aid set with our submersible pumps on page 6.



## Did you know?

How do I read a pump curve?

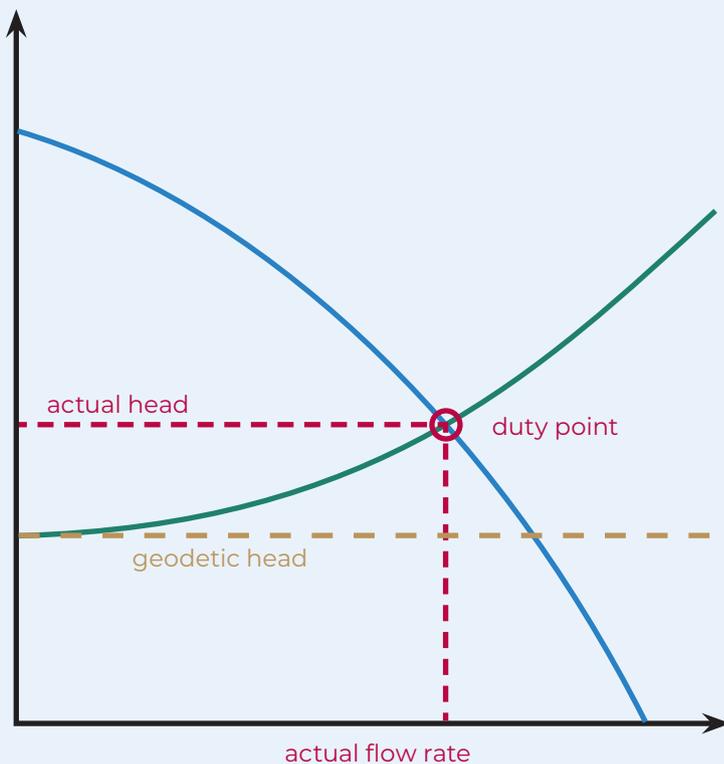
Submersible pumps are centrifugal pumps, meaning that the motor drives an impeller equipped with vanes. In addition to the diagram, the performance data include information on the maximum head ( $H$  in m) and the maximum flow rate (flow  $Q$  in l/s or  $m^3/h$ ), which are usually indicated on the pump nameplate. These values represent the end points of the curve shown in the diagram.

It is important to note that the pump cannot reach both values at the same time. For example, if the maximum head of the pump is 10 m, then no water will be discharged when a counterpressure of 1 bar (= 10 m water column) is measured at the pump. Likewise, the maximum flow rate is only achieved when the counterpressure in the pipeline is virtually 0 m.

However, since a pump is designed to lift water, there will always be a certain head present. The system pressure results from the actual height to be overcome (geodetic head), the pipe diameter (which must always be at least as large as the pump's discharge outlet), and the pipe length

During pump operation, this results in the so-called duty point. This is the intersection of the pump characteristic curve and the pipeline system curve. From this point, it is possible to determine the performance the pump will deliver in the specific installation together with the piping system.

### Here is an example:



For stationary pump installations, the determination of the pipeline system curve and the duty point is carried out by us.

We assist you in selecting the right pump, including the appropriate technical configuration and accessories.

Please also refer to our pump station inquiry form in the appendix of this catalog.

# WASTEWATER PUMPS

## For rainwater and sewage

Here you will find a selected range of heavy-duty wastewater pumps for a variety of residential and municipal applications, with power ratings from 2 to 4 kW, manufactured by Pentair Jung Pumpen

- MultiCut grinder pumps for pressure drainage systems used in combination with compact pumping stations
- MultiFree vortex impeller pumps for wastewater and rainwater applications
- Matching accessories directly compatible with the pumps

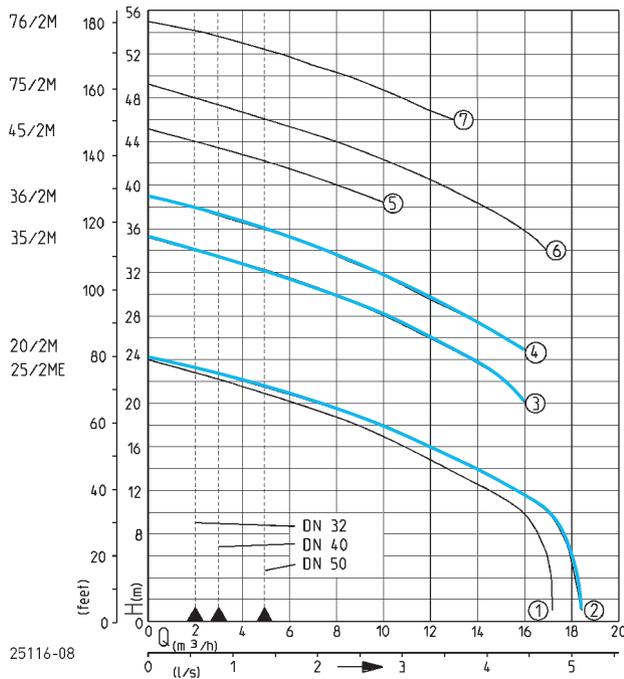
Valves, complete installation kits and pump sumps are presented in other chapters of this catalog.

Due to the wide range of application requirements for pumps of this type, not all available models can be shown as standard. In addition to the listed Jung Pumpen products, we also offer comparable pump types from KSB.

## MultiCut DN 32 Grinder pump

The pump for domestic wastewater.

- Reliable solids handling
- Externally mounted, adjustable cutting system
- Inspectable oil chamber
- SiC mechanical seal
- Longitudinally watertight, moisture-sealed cable entry



Typ	20/2M PLUS EX		35/2M EX		36/2M EX	
	Cable length	10 m	20 m	10 m	20 m	10 m
Ex-proof	Ex II 2 G Ex db IIB T4 Gb					
Discharge	DN32					
Free passage	7 mm					
Motor power	2,4 kW		3,7 kW		4,2 kW	
Rated current	4 A		6,6 A		7,3 A	
Voltage	3/PE~400 V					
Delivery head	24 mWS		34 mWS		38 mWS	
Flow rate	18 m³/h		16 m³/h			
Weight	29 kg	30 kg	40,5 kg	44 kg	40,5 kg	44 kg
Prices	€1.680,00	€1.860,00	€1.740,00	€1.920,00	€1.740,00	€1.920,00
Art. No	140270	140272	140273	140275	140276	140278

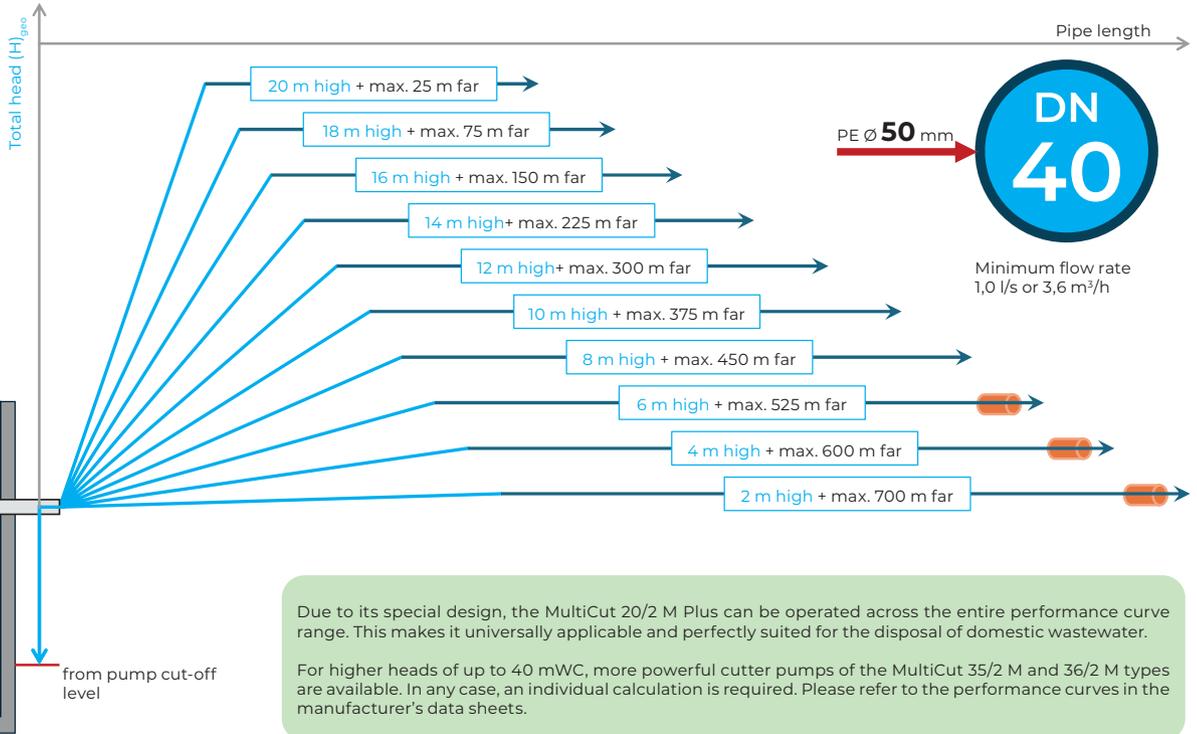
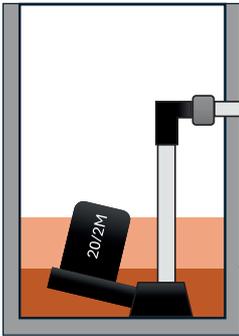
Additional MultiCut models available on request.

# PUMP SELECTION GUIDE

## Jung Pumpen MultiCut 20/2 M plus



2,4 kW  
Qmax: 5 l/s  
Hmax: 24 mWC

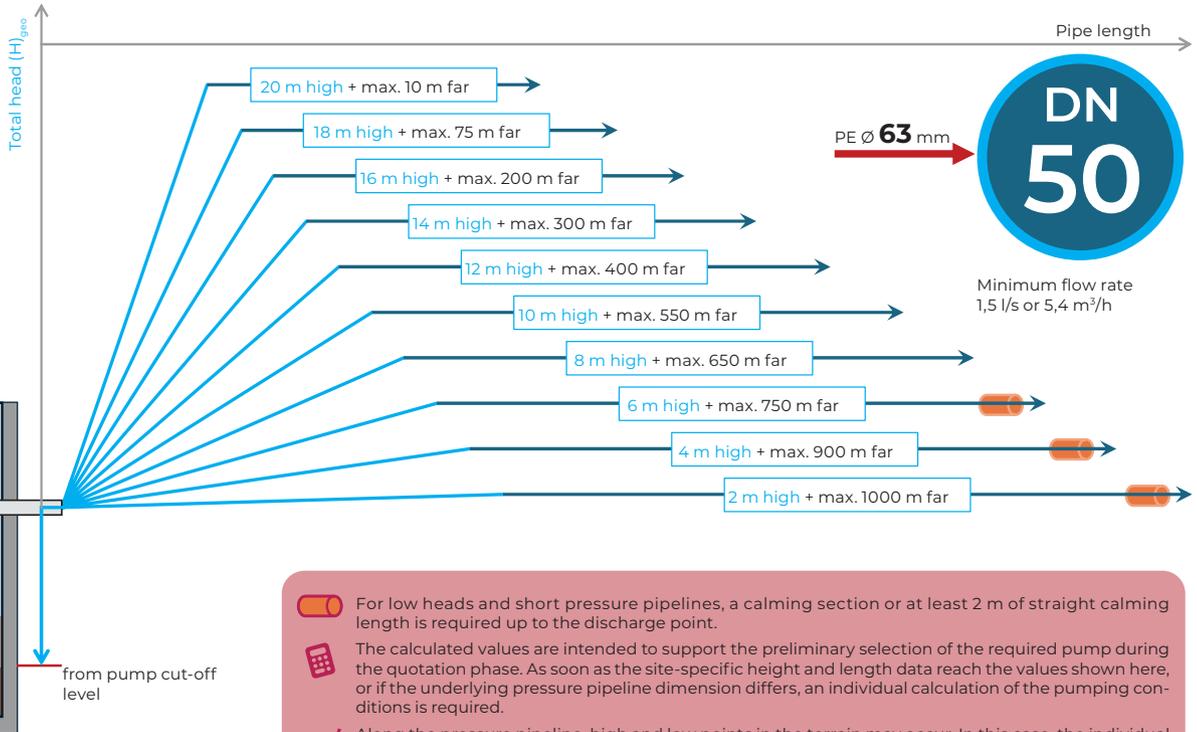
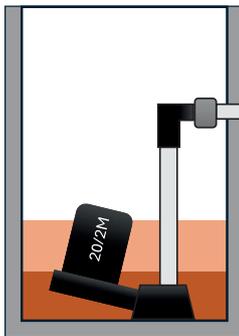


Due to its special design, the MultiCut 20/2 M Plus can be operated across the entire performance curve range. This makes it universally applicable and perfectly suited for the disposal of domestic wastewater.

For higher heads of up to 40 mWC, more powerful cutter pumps of the MultiCut 35/2 M and 36/2 M types are available. In any case, an individual calculation is required. Please refer to the performance curves in the manufacturer's data sheets.



2,4 kW  
Qmax: 5 l/s  
Hmax: 24 mWS



For low heads and short pressure pipelines, a calming section or at least 2 m of straight calming length is required up to the discharge point.

The calculated values are intended to support the preliminary selection of the required pump during the quotation phase. As soon as the site-specific height and length data reach the values shown here, or if the underlying pressure pipeline dimension differs, an individual calculation of the pumping conditions is required.

Along the pressure pipeline, high and low points in the terrain may occur. In this case, the individual vertical lift sections must be added together to determine the geodetic head, and an individual calculation must be carried out.

With long pressure pipelines and low wastewater inflow, extended retention times of the wastewater may occur. This can lead to putrefaction processes, resulting in gas bubble formation and increased deposits, which in turn can impair operation. A flushing connection in the pumping station (optional accessory) allows periodic flushing with service water or regular flushing with compressed air.

## Accessories for MultiCut pumps



### Flushing pipe

- Including mounting hardware
- Flow-optimized stainless steel pipe
- For screwing into the vent hole of the pump hydraulics
- Cleans and ventilates the pump sump and prevents against formation of scum



Art. No	Typ	for MultiCut	Prices
140280	0	20/2M plus	€195,00
140281	1	35/2M und 36/2M	€195,00



### Stainless steel safety chain

- With 5 suspension links and shackle
- Material: stainless steel 1.4404
- Load capacity: 320 kg



Art. No	Length	Prices
140287	2,5 m	€130,00
140288	5,0 m	€230,00

## MultiCut spare parts



### Cutting plate

- Including mounting screws
- For all MultiCut pumps from model year 1996 onwards



Art. No	Prices
140011	€185,00



### Cutting rotor 20/2M Plus

- Including fixing screw, thrust piece, and feather key



Art. No	Prices
140016	€239,00



### Cutting rotor 35/2M–45/2M

- Including fixing screw, thrust piece, and feather key



Art. No	Prices
140020	€239,00



### Puller tool

- For MultiCut cutting rotors from model year 06/21 onwards
- Required for service work



Art. No	Prices
140282	€95,00



Additional JUNG PUMPEN spare parts are available on request.



## Installation kits and individual components for installation in concrete sumps

### Guide rail system GR 35 for MultiCut 1½"

- Including coupling base and claw with guide rail bracket
- Grey cast iron



Art. No	Prices
140285	€340,00



### Guide rail 1"

- Stainless steel pipe
- 1.5 m long
- 1× required for GR 35

Art. No	Prices
140286	€60,00



### Pipe connector for 1" guide rail

- V2A pipe connector t = 3 mm
- Required for extending / joining 1" guide rails pipes



Art. No	Prices
140299	€37,00



### Ball Elbow-type valve 1½"

- KE 40
- GRP



Art. No	Prices
140289	€220,00



### Gate valve 1½"

- DN 40
- Stainless steel



Art. No	Prices
140290	€145,00



### Elbow pipe adapter for MultiCut 1½"

- Vertical female thread connection
- Grey cast iron, including screws and gasket



Art. No	Prices
140249	€129,00



Pump and installation kits for MultiCut pumps can be found from page 24 onwards.

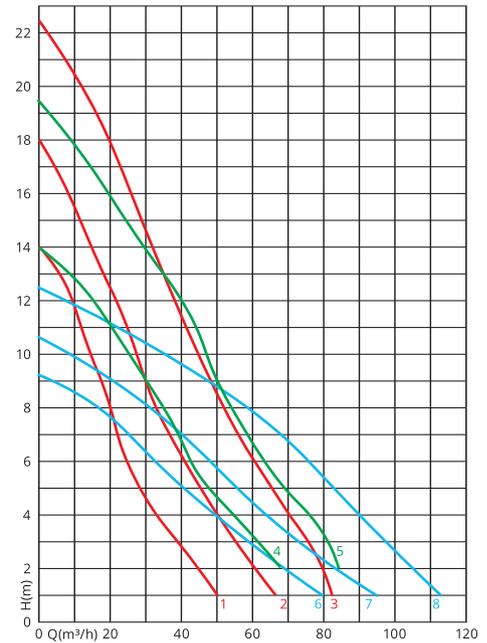
# MultiFree DN 65/80 Vortex Pumps

Pumps with a large free passage for rainwater and wastewater.

- Dry-run safe
- Inspectable oil chamber
- Pluggable cable connection
- SiC mechanical seal
- Longitudinally watertight, moistured cable entry
- Integrated motor protection

Wastewater pumps for valves and pipelines in DN 80; larger versions in DN 100 and DN 150 are available on request. We support you in planning the complete system!

**Pumps with DN 65 and DN 80 flange dimensions are each supplied with the appropriate coupling system and guide rail bracket.**



Typ	15/2 AW1	25/2 AW1	35/2 AW1	25/2 BW1	35/2 BW1	15/4 BW1	25/4 BW1	35/4 BW1
Performance curve	1	2	3	4	5	6	7	8
Cable length	10 m							
Ex-proof	Ex II 2 G Ex db IIB T4 Gb or without							
Rotational speed	2900 1/min				1450 1/min			
Flange PN10	DN65				DN80			
Free passage	65 mm				80 mm			
Motor power	2,1 kW	2,9 kW	4,1 kW	3,3 kW	4,8 kW	2,2 kW	2,8 kW	4,2 kW
Rated current	3,8 A	4,9 A	7,1 A	5,4 A	8,2 A	4,0 A	4,7 A	7,8 A
Voltage	3/PE~400 V							
Delivery head	10 m	14 m	19 m	12 m	17 m	8 m	9 m	11 m
Flow rate	45 m³/h	61 m³/h	80 m³/h	68 m³/h	85 m³/h	71 m³/h	84 m³/h	107 m³/h
Weight	43 kg		46 kg		49 kg		51 kg	
Prices	including matching coupling base and guide rail system from € 3,810							

**i** You will find valve installation kits on page 35



## Accessories for MultiFree vortex pumps

### Stainless steel safety chain

- With 5 suspension links and shackle
- Material: stainless steel 1.4404
- Load capacity: 320 kg



Art. No	Length	Prices
140287	2,5 m	€130,00
140288	5,0 m	€230,00



### Flushing pipe

- Including mounting parts
- Flow-optimized stainless steel pipe
- For screwing into the vent hole of the pump hydraulics
- Cleans and ventilates the pump sump and prevents against formation of scum



Art. No.	Typ	Prices
140281	1	€195,00



### Guide rail 1"

- Stainless steel pipe
- 1.5 m long
- Two pieces required per MultiFree guide rail system

Art. No.	Prices
140286	€60,00



### Pipe connector for 1" guide rail

- V2A pipe connector t = 3 mm
- Required for extending / joining 1" guide rails



Art. No	Prices
140299	€37,00



KSB wastewater pumps of the Amarex series are available as an alternative



# SMALL WASTEWATER PUMPING STATIONS

In this chapter you will find pre-assembled pump sumps from Pentair Jung Pumpen. Combined with MultiCut pumps and the corresponding control units, they form perfectly matched, high-quality complete systems for pressure drainage systems.

You will also find installation kits and accessories for the refurbishment of existing systems. This enables specialist contractors to renovate existing pump sumps without major effort.

With **AQUATO® Plus**, you also benefit from many small advantages that make installation on site easier.



to the configurator

To support you as effectively as possible in selecting the individual components, you will find the AQUATO® pump station configurator on our website. It guides you step by step through the selection process and graphically displays the individual components, the installation depths, and the resulting list price. At the end, you can save the configuration and export it as a PDF.

# AQUATO

## Your benefits!

Only with us do you receive the individual components of the pump station pre-assembled in a site-ready manner and perfectly equipped. This increases operational reliability and minimizes your effort on site:



PE-tank including ventilation cap



Plug-and-play pump control unit with CEE phase inverter



Outdoor cabinet (optional) with integrated control unit and CEE/Schuko combination socket



Pump and discharge pipe set pre-assembled



NiMH battery for mains-independent alarm included



Alarm indicator (optional), pre-wired

## Small size pumping stations

Buoyancy-resistant polyethylene tanks for wastewater with general building authority approval, prepared for MultiCut grinder pumps with above-water coupling and corrosion-resistant installation components made of stainless steel and GRP.



### PKS-B 800-32 single pump system

PE-tank with installation components



### PKS-B 800-D32 duplex pump system

PE-tank with installation components



D  
%

Tank type	PKS-B 800-32	PKS-B 800-D32
Number of installable pumps	1x	2x
Gate valve operable from the top	1x	2x
Total volume	640 L	740 L
Weight	78 kg	80 kg
Installation depth	1600 mm	1610 mm
Discharge	1¼" male thread	
Inlet DN150	2x (1x open)	1x
Cable and ventilation ports	3x DN100	
Prices	€1.665,00	€2.875,00
Art. No.	140206	140208

to the configurator



Pump shafts are only available in combination with a pressure pipe set and pump. Not available for individual sale.

## Accessories for PKS 800 PE-tanks

### Concrete/plastic cover Class A

- Pedestrian load up to 1.5 t, without ventilation
  - Ø: 600 mm, outer Ø: 785 mm, height: 80 mm
- Lightweight plastic cover available on request



Art. No.	Description	Prices
140202	manhole cover	€150,00
140203	lifting key	€70,00



### BEGU cover, Class B

- Concrete/cast iron
- Vehicle-load rated up to 12.5 t, without ventilation
- Ø: 610 mm, outer Ø: 750 mm, height: 125 mm



Art. No.	Prices
140204	€250,00



### Concrete spacer

- Ø: 625 mm, outer Ø: 785 mm, height: 100 mm

Attention: When used in combination with PKS only a single spacer may be used.



Art. No.	Prices
140210	€65,00



### Tank extension PSV-A/B 375

- Suitable up to Class B
- Including gasket and mounting hardware
- 2× DN 100 nozzles (KG pipe) for cables and ventilation
- Stackable up to a maximum of 2 units
- Weight: 25 kg



Art. No.	Prices
140211	€560,00



### Tank extension PSV-A 855

- Suitable up to Class A
- Including gasket and mounting hardware
- 4× DN 100 nozzles (KG pipe) for cables and ventilation
- Not stackable
- Weight: 40 kg



Art. No.	Prices
140212	€890,00



### Guide rail extension

- For extending the pump guide pipes in combination with tank extensions

Art. No.	Typ	Prices
140213	single systems	€95,00
140214	duplex system	€380,00



### Operating key for PKS 800 pump shafts

- For operating the gate valve in combination with tank extensions
- For twin systems, 2 units required

Art. No.	Prices
140215	€175,00



### Inlet gasket DN 150

- Required when opening the second inlet on single systems or as a replacement

Art. No.	Prices
140216	€135,00



### Pressure pipe set for PKS-B 800

- For MultiCut 20/2M plus-45/2M
- Complete with 2.5 m stainless steel safety chain and mounting hardware



Art. No.	Note	Prices
140245	unassembled	€385,00
140248	assembled, in conjunction with the pump	€420,00



## Retrofit kits for wastewater pumping stations



### Installation kit DN 40, single system

- Complete installation kit for installing a MultiCut pump in concrete shafts
- Variable installation depth in the shaft up to 2.14 m
- No thread cutting required for length adjustment!



Art. No.	Prices
140240	€1.690,00



### Installation kit DN 40, duplex system

- Duplex system extension for installing two MultiCut pumps in concrete shafts
- To be used in combination with the DN 40 installation kit, single system



Art. No.	Prices
140241	€1.760,00



### Retrofit set for PKS single systems

- **With pressure pipe assembly and stainless steel safety chain**
- For renovation of existing PKS plastic sump
- Installation possible without excavation work

Suitable only for PKS pumping stations from Jung Pumpen.



Art. No.	for model year	Prices
140230	97-07	€1.390,00
140231	89-96	€1.390,00



### Guide rail with holder

- For retrofit set (Jung Pumpen) 97-07
- For convenient lifting and reinsertion of the pump

Art. No.	Prices
140253	€190,00



### Discharge outlet pipe for retrofit set

- For renewal of the discharge pipe connection of the tank
- Excavation work required; the discharge outlet must be exposed



Art. No.	Dimension	Prices
140255	1½"	€145,00
140256	2"	€225,00



### Wall mounting bracket for retrofit set

- Material: stainless steel
- For installation in concrete shafts



Art. No.	Prices
140254	€325,00

## General accessories

### Vacuum breaker for non-return valve

- GRP
- Suitable for PKS non-return valve



Art. No.	Prices
140250	€210,00



### Compressed air connection 1/2" for non-return valve

- GRP
- Suitable for PKS non-return valve



Art. No.	Prices
140251	€155,00



### Perrot flushing connection for non-return valve

- GRP / galvanized steel
- With male coupling
- Suitable for PKS non-return valve



Art. No.	Prices
140252	€165,00



### Connection fitting

- Compression fitting for connecting PE pressure pipes



Art. No.	IG	for DE	Prices
140257	1 1/4"	40	€20,00
140258	1 1/4"	50	€20,00
140259	1 1/4"	63	€20,00
140260	1 1/2"	50	€20,00
140261	1 1/2"	63	€20,00
140262	2"	63	€25,00



Our range of suitable MultiCut Grinder pumps can be found on page 18

Due to the wide range of accessories and options, requesting a pump station often involves more than a simple inquiry. The pump station configurator assists you in selecting and compiling the appropriate components.

To determine the basic information required for correct sizing and designing of pumping stations you will find our “Pumping Station Checklist” form in the appendix of the catalog.

This form helps you gather all required information in a simple and structured manner and provides the basis for planning and execution. We take care of everything else for you!



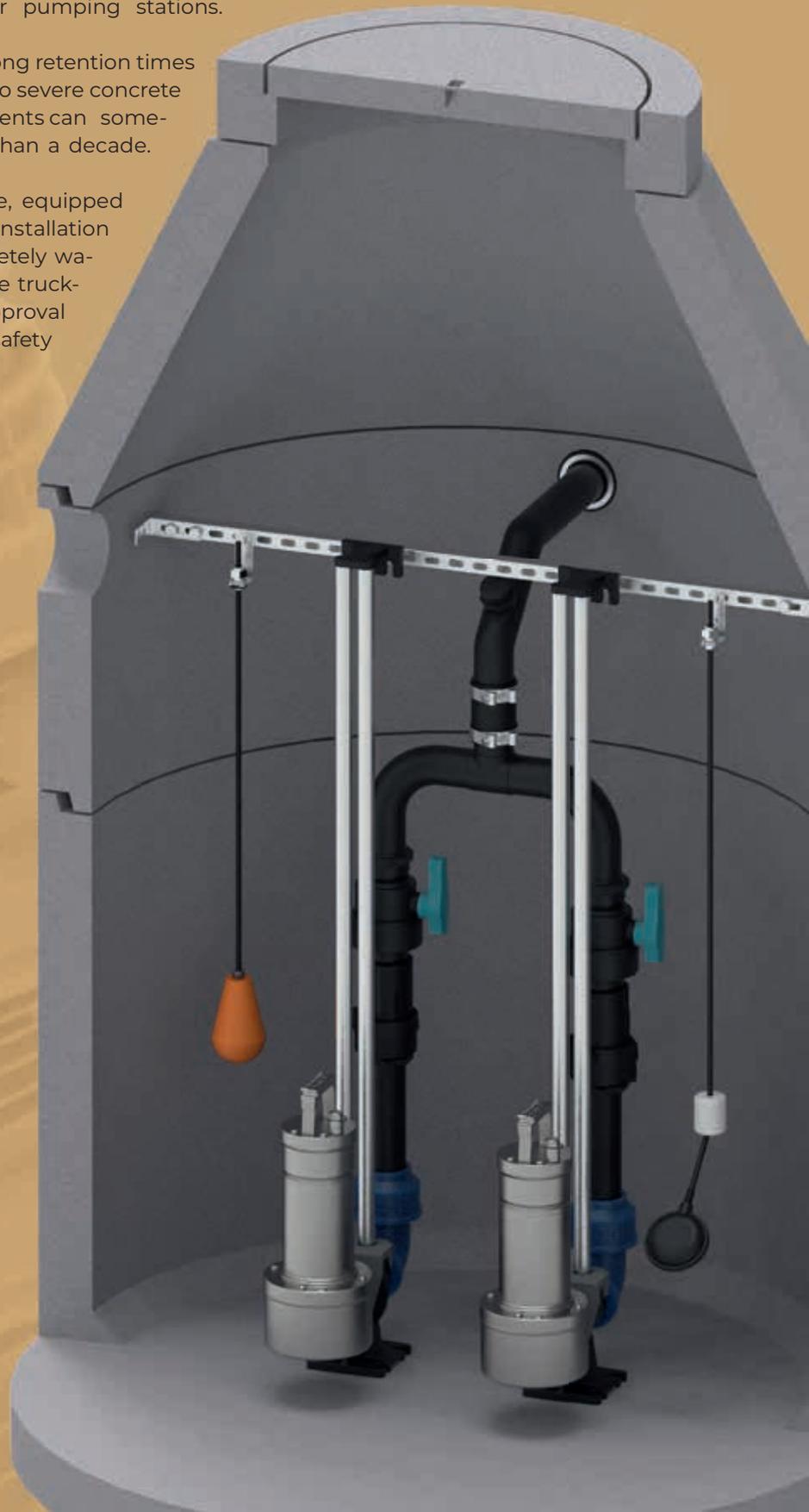
We are happy to assist you with any sizing and refurbishment questions relating to property drainage systems using pumps. Please contact us!

# COMPACT PUMPING STATIONS

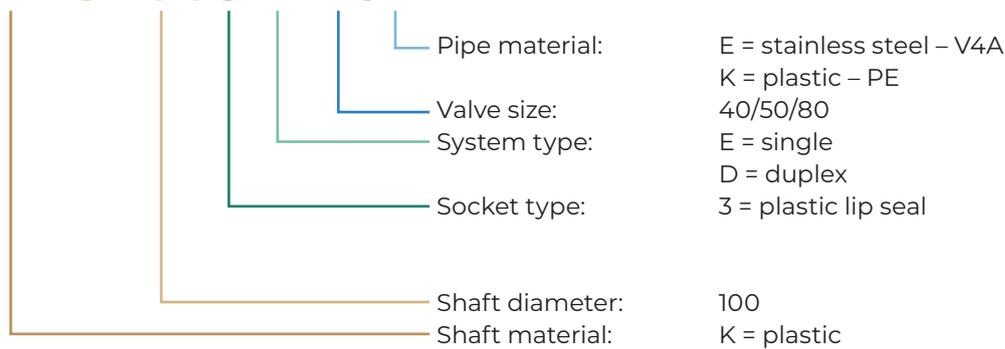
Depending on the application, pumping stations must meet different structural requirements. While concrete shafts constructed from rings are often sufficient for rainwater drainage, plastic is the material of choice for wastewater pumping stations.

Wastewater can form fouling gases due to long retention times and complex composition, which may lead to severe concrete corrosion. As a result, costly shaft refurbishments can sometimes become necessary after little more than a decade.

**deltAQ** pump shafts made of polyethylene, equipped with high-quality stainless steel and plastic installation components, are extremely durable, completely watertight, and are designed as standard to be truck-load rated. A general building authority approval for the shaft system provides the necessary safety for use in municipal applications as well.



## KPS 1003-D40K



## deltAQ pump shafts DN 1000, installation depth 2.35 m



Version	Description	Art. No	Price
<b>KPS 1003</b>	Empty shaft consisting of: <ul style="list-style-type: none"> <li>· Shaft base section with double bottom and pump sump</li> <li>· Shaft ring with access ladder and DN 200 inlet pipe</li> <li>· Shaft ring with access ladder and 2× DN 100 Forsheda openings, 1× socket pipe for discharge outlet</li> <li>· Shaft cone with access ladder</li> <li>· Concrete support ring for cover, 610 mm</li> <li>· Including shaft ring lip seals</li> </ul>	140650	€4.890,00
<b>Pump shafts including installed piping, valves, and guide rail system</b>			
<b>KPS 1003-E40E</b>	Single-pump system DN 40 for one grinder pump	140710	€6.420,00
<b>KPS 1003-D40E</b>	Duplex system DN 40 for two grinder pumps	140720	€7.245,00
<b>KPS 1003-E50K</b>	Single-pump system DN 50 for one 2" wastewater pump		on request
<b>KPS 1003-D50K</b>	Duplex system DN 50 for two 2" wastewater pumps		on request
<b>KPS 1003-E80E</b>	Single-pump system DN 80 for a wastewater pump		on request
<b>Shaft accessories</b>			
	Second inlet to place in shaft ring 375, DN 150 or DN 200 port	140651	€330,00
	Shaft ring with access ladder, H 375, with DN 200 inlet port, including gasket	140652	€850,00
	Shaft ring with access ladder, H 500, including gasket	140653	€650,00
	Shaft ring with access ladder, H 750, including gasket	140654	€870,00
	Shaft ring with access ladder, H 1000, including gasket	140655	€1.090,00
	BEGU cover, Class B, Ø 610 mm, without ventilation	140204	€240,00
	BEGU cover, Class D, Ø 610 mm, without ventilation	140205	€490,00
	Concrete spacer ring, Ø 625 mm, outer Ø 785 mm, H = 100 mm	140210	€60,00
	Mobile access aid with L-handle, DIN 14396 compliant, 1.3 m long; stainless steel	140657	€235,00
	Guide bushing for access aid, DIN 14396 compliant, stainless steel	140656	€190,00

deltAQ pump shafts and installation kits can be equipped with submersible pumps from Jung Pumpen, KSB, or DAB in sizes DN 32 to DN 80. Further information can be found in the “Wastewater Pumps” chapter on page 17.

- Polyethylene pump shaft for wastewater
- DIBt approval Z-42.1–313
- Shaft pipe connections with multiple lip seals
- Installation depth from 2.35 to 4.95 m
- Buoyancy-proof
- Truck-load rated
- Easy transport and installation
- Extremely durable

**Suitable for up to approx. 50 inhabitants (PE) or a maximum flow rate of 12 l/s (DN 80).**



In our system shafts, the internal components are fully installed up to the discharge outlet

For shafts with additional extensions and an installation depth of up to a maximum of 4.0 m, the shaft element with the discharge outlet is positioned higher. For logistical reasons, complete installation is not possible in this case.



# COMPLETE INSTALLATION KITS

In this chapter you will find our deltAQ installation kits and matching accessories for equipping on-site pump sumps and shafts from DN 1000 to DN 2000.

The flow-optimized DN 50 installation kits are manufactured from PE100 pipes and fittings, mirror-welded in accordance with the respective pressure class. The use of PE, PP, and stainless steel for all components results in durable and robust systems that leave nothing to be desired.

The flow-optimized DN 80 installation kits are manufactured from lightweight stainless steel 316L pipes, welded fittings, and loose flanges. The valves are made of ductile cast iron GGG40/50 and are epoxy-coated. All required bolted connections as well as metal-reinforced flange gaskets are included in the set.

Available as single or duplex systems, the kits are designed to adjust the height of the horizontal discharge by shortening the riser pipe. If this height adjustment is not sufficient, additional or customized riser pipes can be supplied. In addition, all installation kits are equipped as standard with a flushing connection at the discharge pipe.



## DN 50

These installation kits are suitable for flow rates of up to a maximum of 20 m<sup>3</sup>/h.



### PE single installation kit E50K

Consisting of: 1× Elbow with compression coupling Ø 63 mm  
1× PP ball valve 2"  
1× Non-return valve R 50

Flow-optimized PE SDR11 piping set Ø 63 mm:

- 1× Riser pipe, 700 mm long
- 1× Y-piece pipe, one side sealed
- 1× Flexible pipe connector
- 1× L-pipe with 2" female-thread discharge outlet
- 1× Flushing connection socket 1¼"



Art. No.	Price
140602	€690,00

Can be easily upgraded to a twin system at a later date, if required

Maximum discharge outlet height in combination with coupling bases: approx. 2.4 m



### PE duplex installation kit D50K

Consisting of 2× Elbows with compression couplings Ø 63 mm  
2× PP ball valves 2"  
2× Non-return valves R 50

Flow-optimized PE SDR11 piping set Ø 63 mm:

- 2× Riser pipes, 700 mm long
- 1× Y-piece pipe
- 1× Flexible pipe connector
- 1× L-pipe with 2" female-thread discharge outlet
- 1× Flushing connection socket 1¼"



Art. No.	Price
140604	€990,00

Maximum discharge outlet height in combination with coupling bases: approx. 2.4 m



### Guide rail system for 2" pumps

- Coupling base with claw and bracket



Art. No.	Price
102507	€411,00



### Double guide rail ¾"

- Stainless steel pipes
- 1.5 m long
- Suitable for 2" guide rail system

Art. No.	Price
130004	€107,50

Our new installation kits allow easy equipping of submersible pumps. If the standard versions are not sufficient, we are happy to offer customized solutions in higher performance ranges, tailored to individual structural dimensions.



Examples of on-site pumping stations

## DN 80

For DN 80 installation kits, the pump base and guide rail systems are part of the wastewater pump.  
DN 80 installation kits are suitable for flow rates of up to a maximum of 45 m<sup>3</sup>/h.

### Stainless steel single installation kit E80E

Consisting of: 1× Wedge gate valve DN 80  
1× Ball check valve DN 80

Flow-optimized 316L piping set Ø 88.9 mm:

- 1× Riser pipe, 330 mm long
- 1× F-pipe, 165 mm long
- 1× Grip pipe connector
- 1× L-pipe with 1½" flushing connection socket and loose flange DN 80

Art. No.	Price
140605	€1.890,00

Maximum discharge outlet height in combination with coupling bases: approx. 2.4 m



### Stainless steel duplex installation kit D80E

Consisting of: 2× Wedge gate valves DN 80  
2× Ball check valves DN 80

Flow-optimized 316L piping set Ø 88.9 mm:

- 2× Riser pipes, 330 mm long
- 1× Y-piece pipe
- 1× Grip pipe connector
- 1× L-pipe with 1½" flushing connection socket and loose flange DN 80



Art. No.	Price
140606	€3.190,00

Maximum discharge outlet height in combination with coupling bases: approx. 2.4 m



### Guide rail 1"

- Stainless steel pipe
- 1.5 m long
- Two pieces required per MultiFree guide rail system

Art. No.	Price
140286	€60,00



### Universal stainless steel bracket 1,5 m

- Mounting profile with slotted holes
- Including mounting- and installation-parts
- For on-site cutting to final length



Art. No.	Price
140284	€195,00



### Universal stainless steel holder

- Universally applicable in pump shafts or treatment tanks
- For mounting on the shaft wall, piping, or universal brackets
- Mounts suitable for M20 cable glands
- Including mounting parts and cable organizer



Art. No.	Price
140060	€35,00



### Pipe connector

- V2A pipe connector t = 3 mm
- Required for extending / joining 1" guide rails



Art. No.	Price
140299	€37,00



### Flushing connection 1½" Storz C

- For flushing the connected pressure pipeline
- Suitable for DN 80 pump station installation kits
- Including stainless steel gate valve



Art. No.	Price
140073	€210,00



Further installation kits for MultiCut DN 40 wastewater pumps can be found on page 28.



## Did you know?

### Flow rate in valves and pipelines

Pumping stations are often offered without information of the maximum flow rate. The pumps selected must always have a discharge outlet that is smaller or equal to the diameter of the selected pressure pipeline.

The flow rate of the selected pump at the operating point must not exceed the maximum allowable flow rate of the pipeline. Otherwise, pipeline losses and energy consumption increase exponentially, and high flow velocities may cause vibrations and pressure shocks within the pumping station.

In wastewater applications, flow velocities in buried pressure pipelines should be between 0.7 m/s and 2.3 m/s. Within the pump station piping, slightly higher velocities are permissible depending on the load condition

<b>Pipe diameter</b>	<b>Min. flow rate at 0.7 m/s</b>	<b>Max. flow rate at 2.3 m/s</b>
40 mm	0.9 l/s or 3.2 m <sup>3</sup> /h	2.9 l/s or 10.4 m <sup>3</sup> /h
50 mm	1.4 l/s or 5.0 m <sup>3</sup> /h	4.5 l/s or 16.2 m <sup>3</sup> /h
80 mm	3.5 l/s or 12.6 m <sup>3</sup> /h	11.6 l/s or 41.8 m <sup>3</sup> /h
100 mm	5.4 l/s or 19.5 m <sup>3</sup> /h	18.1 l/s or 65.2 m <sup>3</sup> /h
125 mm	8.6 l/s or 31.0 m <sup>3</sup> /h	28.2 l/s or 101.5 m <sup>3</sup> /h

We are happy to support you with the design and calculation of the pump operating point to match the planned pipeline. In doing so, we rely on planning software and the support of the pump manufacturers to provide you with the highest level of reliability for preparing quotations.

# PUMP CONTROL UNITS

Intelligent solutions for reliable and efficient pump operation

Modern wastewater systems place high demands on operational reliability and energy efficiency. The control unit is the brain of every pumping station—it ensures optimal operation, protects the pump units from overload, and reports operating faults or impermissibly high water levels.

Our control systems combine robust engineering with modern electronics. Whether for operating wastewater pumps in greywater or rainwater applications or for explosion-proof wastewater pumps, we offer tailor-made solutions for every application.



# AQUATEL

## Non-Ex pump control units

- For level-dependent control of one or two pumps
- Manual / 0 / Automatic function
- Phase sequence and phase monitoring
- Including main switch
- Contactors rated up to 4 kW
- Motor protection circuit breaker
- Cable entry via cable glands



Control type	P1-L	P1-B	P2-B
Display, backlit	LCD, 2-line	TFT touchscreen	
Protection class	IP 54	IP 66 with cover closed	
W × H × D	200×220×140 mm	265×270×145 mm	
Pump connections	1	1	2
Switching inputs	3× digital, 1× analog	4× digital, 1× analog	
Alarm contacts	1	3	3
Battery module	-	on request	
GSM module	-	on request	



### Pump control unit P1-L for single systems

- Level detection via digital and analog inputs:
  - 2 float switches
  - 1 high-water float switch
  - 4–20 mA analog input for a level measurement probe
- Backpressure measurement possible (**separate pressure measurement module**, Art. No. 100888, **required**)
- 1 potential-free alarm contact for collective fault or high-water alarm



Art. No.	Tripping range / rated current	Voltage	Price
102947	1,0–1,6 A	3~ 400 V/50 Hz	€644,00
102948	1,6–2,5 A	3~ 400 V/50 Hz	€644,00
102949	2,5–4,0 A	3~ 400 V/50 Hz	€644,00
100887	4,0–6,0 A	3~ 400 V/50 Hz	€644,00
102950	5,5–8,0 A	3~ 400 V/50 Hz	€644,00
102951	7,0–9,0 A	3~ 400 V/50 Hz	€644,00
103025	1,0–1,6 A	1~ 230 V/50 Hz	€945,00
103026	1,6–2,5 A	1~ 230 V/50 Hz	€945,00
103027	2,5–4,0 A	1~ 230 V/50 Hz	€945,00
103028	4,0–6,3 A	1~ 230 V/50 Hz	€945,00

## Pump control unit P1-B for single systems

- With transparent cover
- Level detection via digital and analog inputs:
  - 2 float switches
  - 1 high-water float switch
  - 4–20 mA analog input for a level measurement probe
- Backpressure measurement possible (**separate pressure measurement module**, Art. No. 100888, **required**)
- 3 freely programmable, potential-free alarm contacts
- 1 connection 230 V AC for emergency float switch in the event of electronic failure



Art. No	Tripping range / rated current	Voltage	Price
103021	1,0–1,6 A	3~ 400 V/50 Hz	€1.250,00
103014	1,6–2,5 A	3~ 400 V/50 Hz	€1.250,00
103022	2,5–4,0 A	3~ 400 V/50 Hz	€1.250,00
103023	4,0–6,3 A	3~ 400 V/50 Hz	€1.250,00
103024	6,3–9,0 A	3~ 400 V/50 Hz	€1.250,00
103031	1,0–1,6 A	1~ 230 V/50 Hz	€1.551,00
103032	1,6–2,5 A	1~ 230 V/50 Hz	€1.551,00
103033	2,5–4,0 A	1~ 230 V/50 Hz	€1.551,00

## Pump control unit P2-B for duplex systems

- With transparent cover
- Level detection via digital and analog inputs:
  - 3 float switches
  - 1 high-water float switch
  - 4–20 mA analog input for a level measurement probe
- Backpressure measurement possible (**separate pressure measurement module**, Art. No. 100888, **required**)
- 3 freely programmable, potential-free alarm contacts
- 230 V float switch connection for emergency switching function in the event of control electronics failure



Art. No	Tripping range / rated current	Voltage	Price
102944	1,0–1,6 A	3~ 400 V/50 Hz	€1.320,00
100899	1,6–2,5 A	3~ 400 V/50 Hz	€1.320,00
102945	2,5–4,0 A	3~ 400 V/50 Hz	€1.320,00
100889	4,0–6,3 A	3~ 400 V/50 Hz	€1.320,00
102946	6,3–9,0 A	3~ 400 V/50 Hz	€1.320,00
102990	0,63–1,0 A	1~ 230 V/50 Hz	€1.621,00
103036	1,0–1,6 A	1~ 230 V/50 Hz	€1.621,00
103037	1,6–2,5 A	1~ 230 V/50 Hz	€1.621,00
103038	2,5–4,0 A	1~ 230 V/50 Hz	€1.621,00
103010	4,0–6,3 A	1~ 230 V/50 Hz	€1.621,00



## Battery block

- 9 V non-rechargeable
- For mains-independent high-water alarm



Art. No	Price
100910	€4,50



## Pressure measurement module

- Retrofit module with tube and bulkhead fitting
- For pressure measurement 0–3.5 m



Art. No	Price
100888	€150,50



## Pressure bell

- With safety cable
- Compression fitting for tube:



Art. No	Price
115900	€85,00



## Polyamide tube

- For example for pressure bell (Art. No. 115900)
- For pressure measurement module

Inner Ø: 6 mm  
Outer Ø: 8 mm



Art. No	Price
101433	€9,00



## Level probe

- Hydrostatic pressure transducer for level measurement
- Output signal (4–20 mA)



Art. No	Description	Measuring rang	Cable length	Price
100898	2/10	bis 2 m	10 m	€420,00
103009	2/20	bis 2 m	20 m	€885,00
100890	4/10	bis 4 m	10 m	€660,00
102810	4/20	bis 4 m	20 m	€840,00



## Protective pipe for level probe

Consisting of:

- 1.5 m PE pipe, 40 mm
- 1× plastic elbow 40 mm, 45°
- 2× flexible plastic clamps 75–110 mm

For mounting on the pressure pipeline



Art. No	Price
121136	€45,00

## High water float switch

- Type: normally open (NO)
- Usable up to 230 V / 0.1–10 A
- Minimum switching capacity: 1 mA at 4 V DC
- Switching hysteresis: 20 mm
- Integrated float weight: 380 g



Art. No	Cable length	Price
102210	15 m	€159,00
103252	30 m	€195,00



## Float switch RE-O

- Type: normally open (NO)
- Usable up to 230 V
- Switching hysteresis: 150 mm



Art. No	Cable length	Price
100100	10 m	€77,00
100101	15 m	€96,50
100103	30 m	€135,50



## Stainless steel counterweight for RE-O

Weight: 440 g  
Material: Stainless steel 316L



Art. No	Price
140065	€40,00



## Ex pump control units

- Compact ISO enclosure
- Integrated safety isolating barrier for dry-run protection float switch (TLS)
- Dual-circuit pressure level control with programmable follow-up time
- Pressure bell set and TLS float switch included
- Mains-independent high-water alarm (battery required)
- ATEX-ready as standard
  - Dry-run protection
  - Setting of maximum pump run time
  - Mechanical motor current monitoring

 **PENTAIR**  
JUNG PUMPEN



- Control unit ready to plug in!
- CEE phase-reversing plug 16 A / 32 A with 1 m cable
- 9 V NiMH battery included for mains-independent high-water alarm



## HighLogo 1-... LC for single systems

- Convenient and intuitive menu navigation
- Membrane keys for Hand / 0 / Automatic and reset
- Display information on status, current consumption and level
- Commissioning assistant
- Operating hour counter and event log
- Automatic test run
- 4 kW contactor and adjustable motor protection relay
- Alarm buzzer and 2 changeover contacts for alarm forwarding
- Including pressure bell set, dry-run protection and 9 V battery



Art. No.	Description	Tripping range / rated current	tube length	Voltage	Price
140412	HighLogo 1-46 LC10	4-6 A	10 m	3/N/PE~400 V	€800,00
140413	HighLogo 1-610 LC10	6-10 A	10 m	3/N/PE~400 V	€805,00
140416	HighLogo 1-46 LC20	4-6 A	20 m	3/N/PE~400 V	€960,00
140417	HighLogo 1-610 LC20	6-10 A	20 m	3/N/PE~400 V	€965,00

## HighLogo 2-... LC for duplex systems

- Convenient and intuitive menu navigation
- Membrane keys for Hand / 0 / Automatic and reset
- Display information on status, current consumption, and level
- Commissioning assistant
- Operating hour counter and event log
- Automatic test run
- 4 kW contactors and adjustable motor protection circuit breakers
- Alarm buzzer and 2 changeover contacts for alarm forwarding
- Including pressure bell set, dry-run protection and 9 V battery



Art. No.	Description	Tripping range / rated current	tube length	Voltage	Price
140422	HighLogo 2-46 LC10	4-6 A	10 m	3/N/PE~400 V	€1.440,00
140423	HighLogo 2-610 LC10	6-10 A	10 m	3/N/PE~400 V	€1.445,00
140426	HighLogo 2-46 LC20	4-6 A	20 m	3/N/PE~400 V	€1.600,00
140427	HighLogo 2-610 LC20	6-10 A	20 m	3/N/PE~400 V	€1.605,00



## Spare parts for Jung Pumpen control units



### Branded 9 V rechargeable battery

- Suitable for all JUNG PUMPEN control units
- NiMH 200 mAh



Art. No.	Price
140040	€19,00



### Pressure bell set

- 2 pressure bells made of grey cast iron
- With fittings and air hose



Art. No.	Hose length	Price
140007	10 m	€240,00
140008	20 m	€380,00



### Pressure bell

- Single pressure bell
- Compression fitting for tube:



Art. No.	Price
140010	€80,00



### Pressure tube JP

- 100 m roll

Art. No.	Color	Price
140062	weiß	€375,00
140063	blau	€375,00



### Pressure switch

- For HighLogo LC control units
- Double-diaphragm pressure switch for Ex control units



Art. No.	Price
140024	€139,00



### Contactor 4 kW

- For HighLogo LC control units

Art. No.	Price
140025	€95,00

**Pro tip :** When replacing a defective pump, always replace the contactor as well!



### Ex Float switch

- Dry-run protection for wastewater pumps in ATEX operation



Art. No.	Hose length	Price
140029	9,5 m	€235,00
140030	20 m	€315,00
140071	30 m	€389,00



Additional spare parts on request.

# OUTDOOR CONTROL CABINETS

Even though it may initially sound like a good idea, installing the pump control unit in a basement or locked garage often leads to problems, especially for residential pumpstations. In the event of service, the pump cannot be disconnected from the power supply for removal and repair unless someone is at home and can grant access.

By installing the control unit in one of our compact outdoor columns, immediate assistance is possible if required. Power disconnection and manual operation for diagnostic purposes can be carried out easily and without restrictions.





## Outdoor cabinets for pump control units

- IP44
- GRP housing
- Size model 6.1T (W × H × D): 400 × 1275 × 320 mm
- Size model 3.1T (W × H × D): 400 × 1695 × 320 mm
- Including lock cylinder, spare key, and DN 100 sealing plug for cable entries
- Pump control unit not included



Art. No.	Model	Price
140516	6.1T	€275,00
140518	3.1T	€320,00



## Mounting plate

- For outdoor columns 6.1T / 3.1T
- With installed CEE combination socket 400 / 230 V
- For HighLogo control

Art. No.	Version		Price
140510	16 A	for single systems	€80,00
140512	32 A	for duplex systems	€95,00



## Sealing plug, vapor-tight

- Conical shape, made of closed-cell foam
- Pre-punched openings for backpressure hoses as well as pump and float switch cables
- For separating the Ex atmosphere of the sump from the control unit installation area



Art. No.	Price
140331	€32,00



## Base filling material

- For reducing condensation formation inside the cabinets base
- Contents: 25 L



Art. No.	Price
102938	€63,00



## Wireless alarm transmitter CM for Wi-Fi

- Transmission of warning and status messages via email
- Permanently free data transmission
- App-controlled
- For indoor use only
- Battery-powered (2× AAA, battery life approx. 2 years)



Art. No.	Price
103436	€89,00



## Strobe light, mounted

- For outdoor cabinet
- 230 V, 15 mA, red
- Pre-wired



Art. No.	Price
140002	€179,00

# SUBMERSIBLE PRESSURE PUMPS

## For water supply

Here you will find a small selection of rainwater pumps with submersible motor technology. They are easy to install and do not generate noise in the installation area, unlike domestic water booster systems. They are also an excellent choice for deep cisterns and longer distances to the tapping point, as no long suction lines are required.



## DTRON 3



Type	35/90	X 35/90	45/90	X 45/90
Cable length	15 m			
Discharge	1¼"			
Motor Power	0,75 kW		0,93 kW	
Rated current	3,4 A		4 A	
Voltage	230 V/50 Hz			
Float switch	no			
Delivery head	37 m		45 m	
Flow rate Q	6 m³/h			
Weight	11,4 kg	11,7 kg	11,6 kg	11,7 kg
Price	€669,00	€ 772,00	€741,00	€832,00
Art. No.	102734	102735	102736	102737



## DIVERTRON



Type	X 650*	X 900
Cable length	15 m	
Motor Power	0,63 kW	0,92 kW
Rated current	2,9 A	4,2 A
Voltage	230 V/50 Hz	
Float switch	yes	
Delivery head	29,6 m	44,5 m
Flow rate Q	5,5 m³/h	6 m³/h
Weight	9,5 kg	11 kg
Price	€560,00	€520,00
Art. No.	103146	103263



\* With floating intake and side suction port  
Art. No. 103328 for €635.00

## RAINWATER RESERVOIRS



**Typ KLR-01**  
1.500 L – 5.000 L



**Typ KLR-08**  
3.300 L – 13.000 L



**Typ KLR-13**  
6.000 L



**Typ KLR-08F**  
2.000 L – 4.200 L

# PUMPING STATION CHECKLIST



Company: ..... Phone: .....  
Contact person: ..... E-mail: .....  
Address: ..... Location: .....  
Postal code: .....  New build  Modernization

Please return by email to [info@aquato.de](mailto:info@aquato.de)

## Object to dispose

- Single-family house
- Two-/multi-family house
- Commercial business / office building
- Restaurant / hotel / catering facility
- Industrial facility
- Other: .....

## Kind of wastewater

- Domestic wastewater WITHOUT fecal matter
- Domestic wastewater WITH fecal matter
- Wastewater with a high content of fibers and solids
- Wastewater with aggressive components
- Effluent from wastewater treatment plant
- Other: .....

## Pump shaft information

- Installation depth (total) ..... cm
- Inlet depth (pipe invert) ..... cm
- Discharge outlet height (pipe centerline to base) ..... cm

## Load class of manhole cover

- Pedestrian traffic (Class A)
- Passenger car traffic (Class B)
- Truck traffic (Class D)
- Sump available,  $\emptyset$  ..... m
- Total sump depth** ..... m

## Sump material

- Concrete
- Plastic

## Flow rate

### Number of inhabitants (PE):

PE .....  
or

### Total wastewater inflow

(if already determined) .....  l/s  m<sup>3</sup>/h

## Hydraulic data

required for pump performance calculation

Geodetic head  $H_{geo}$  ..... m  
(from pump shut-off point to gravity discharge point)  
Length of pressure pipeline ..... m  
 Pressure pipeline also includes downhill sections

### Additional pressure pipeline data (if known)

Nominal diameter DN or .....  
internal diameter ..... mm

Material:  PVC-U  PE-HD  
 Other: .....

Connection to existing wastewater pressure pipeline?

Yes  No

Known pre-pressure ..... bar

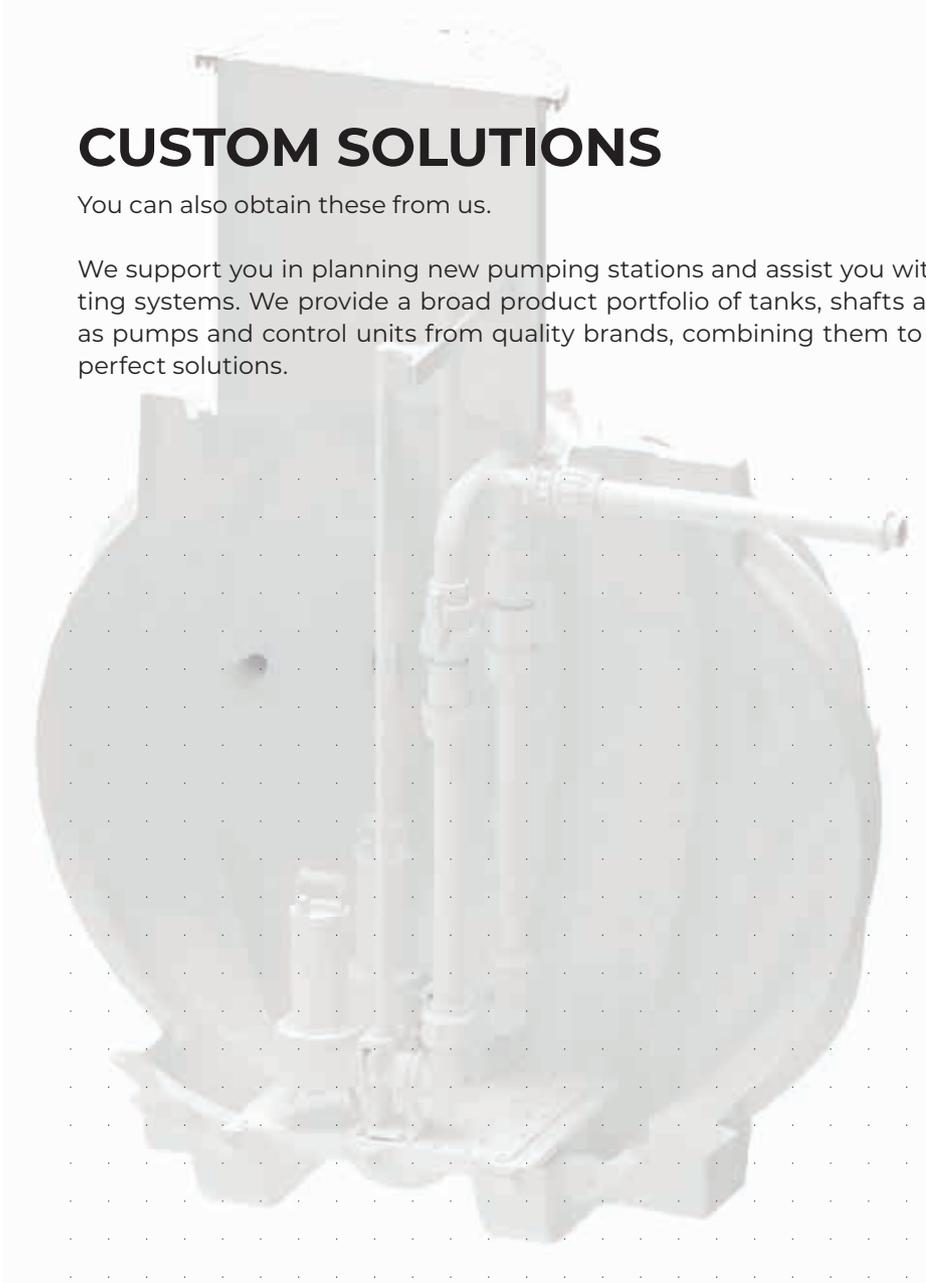
## Control unit location

Pump control unit available:  Yes  No  
Distance from shaft to control unit ..... m  
(total conduit length)  
Control unit location  Inside building  
 In outdoor cabinet

# CUSTOM SOLUTIONS

You can also obtain these from us.

We support you in planning new pumping stations and assist you with the refurbishment of ageing existing systems. We provide a broad product portfolio of tanks, shafts and installation components, as well as pumps and control units from quality brands, combining them to turn challenging requirements into perfect solutions.





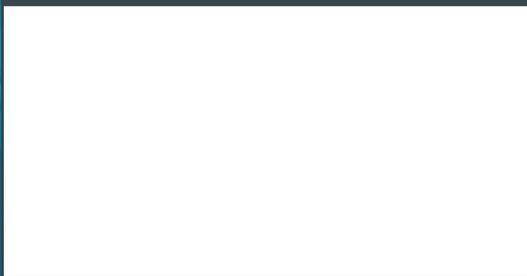


AQUATO®

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Our General Terms and Conditions apply and can be viewed in their current version at [shop.aquato.de](http://shop.aquato.de).

Presented by:



AQPK EN VER. 03/2026



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