

Submersible pumps



IP	Big
IPE	SWQ PRO
IPK	WQ PRO
IPC 550	WQ Professional
Flow Low	75-FWQ-1,5 INOX
Nemo VM 60	WQ-65-1,5
Multi IP 800 INOX	WQ-80-3 WQ-65-4
Multi IP auto	VX-80-1,5 VX-80-2,2
Multi IP INOX 1000/1200	50-KBFU-0,40 INOX
Multi IP 1000 Auto	50-KBFU-0,75 inox
Multi IP 1200 Auto	25-KBFU-0,45
Multi IP 1200 Auto Rain	50-KBFU-0,45
H-SWQ	50-KBFU-0,80
SWQ / F-SWQ	50-KBFU-0,55
75-Faxial-0,25 INOX	KBFU 230 V/400 V
WQX	80-KBFU-4,0-4p
Magnum	KBFU-CFA
WQF	IBX CFA
SN-450	7 IBX
SWQ Septic	

Pumps with cutting system



CTR	Kraken 1800
Furiatka	Kraken 1800 DF
V	UP 60/80
SWQ	ZWQ
WQI	MWQ
Kraken	Guide rail system



IP



IP INOX



IP



IP 400 MINI



IP RAIN

IP submersible plastic pumps designed for pumping clean and slightly contaminated water. The pumps have an outlet connection to which discharge hoses of different diameters can be connected depending on the user's requirements. Small size and light weight make the pumps exceptionally easy to operate and maintain. The pumps are equipped with float switches for automatic pump control. All pumps are supplied with thermal protection mounted in the motor winding.

Application:

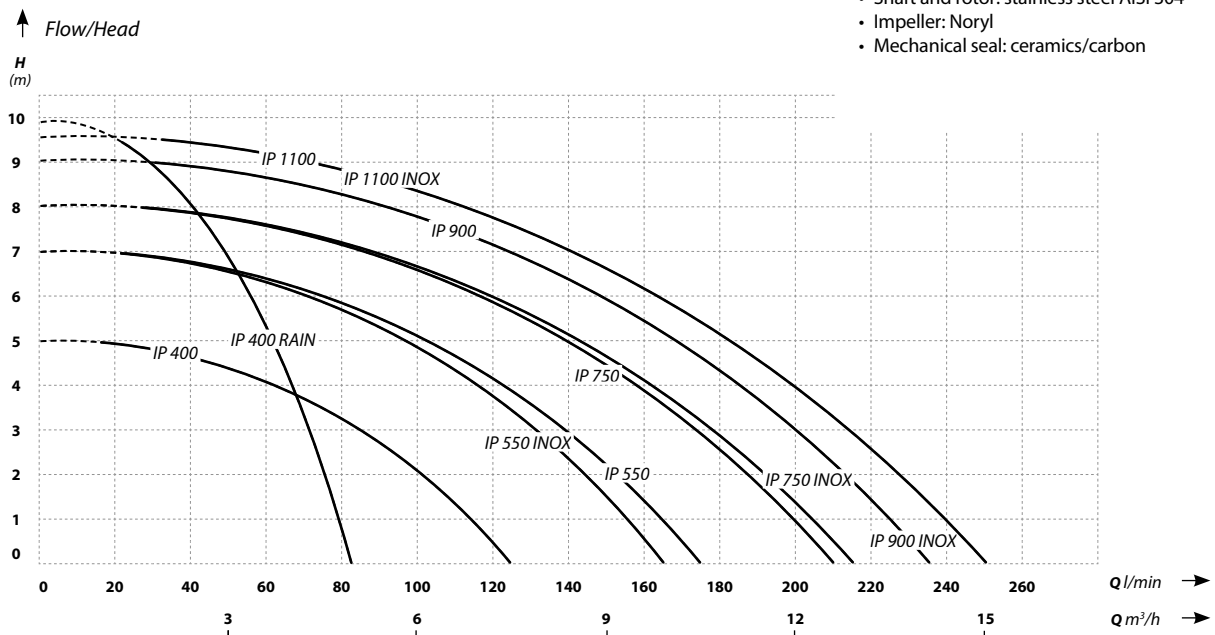
Draining flooded rooms, swimming pools, wells. The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level. The pumps can also be used for pumping rainwater.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- IP - Housing: Technopolymer
- IP INOX - Housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
IP 400	5	125	400	230	30	1,25	1-1½	23/31	3,8
IP 400 RAIN	10	83	400	230	1	1,30	0,75-1	17/28 b. złącza	4,1
IP 550	7	175	550	230	30	1,6	1-1½	23/31	4
IP 750	8	210	750	230	30	2,15	1-1½	23/33	4,3
IP 900	9	235	900	230	30	2,5	1-1½	23/34	4,6
IP 1100	9,5	250	1100	230	30	2,75	1-1½	23/33	5
IP 550 INOX	7	165	550	230	30	1,6	1-1½	23/34	5,4
IP 750 INOX	8	215	750	230	30	2,15	1-1½	23/36	5,8
IP 900 INOX	9	235	900	230	30	2,5	1-1½	23/37	6,1
IP 1100 INOX	9,5	250	1100	230	30	2,75	1-1½	23/38	6,3



IPE | IPK



IPE 400



IPK 400

IPE 400 - a submersible plastic pump designed for pumping clean and slightly contaminated water. The pumps have an outlet connection to which discharge hoses of different diameters can be connected. IPE400 is equipped with an electronic float/probe so the pump can be used in narrow wells. Small size and light weight make the pumps exceptionally easy to operate and maintain. All pumps are supplied with thermal protection mounted in the motor winding.

IPK 400 - the pump has a similar design to IPE pumps but the switch is not based on the probes but on the float operating in a vertical position inside a special channel. Like IPE pump, it can be placed in a narrow well, which may not be possible with IP pumps due to a float switch connected with a 30 cm cable, which increases the diameter of the pump.

Application:

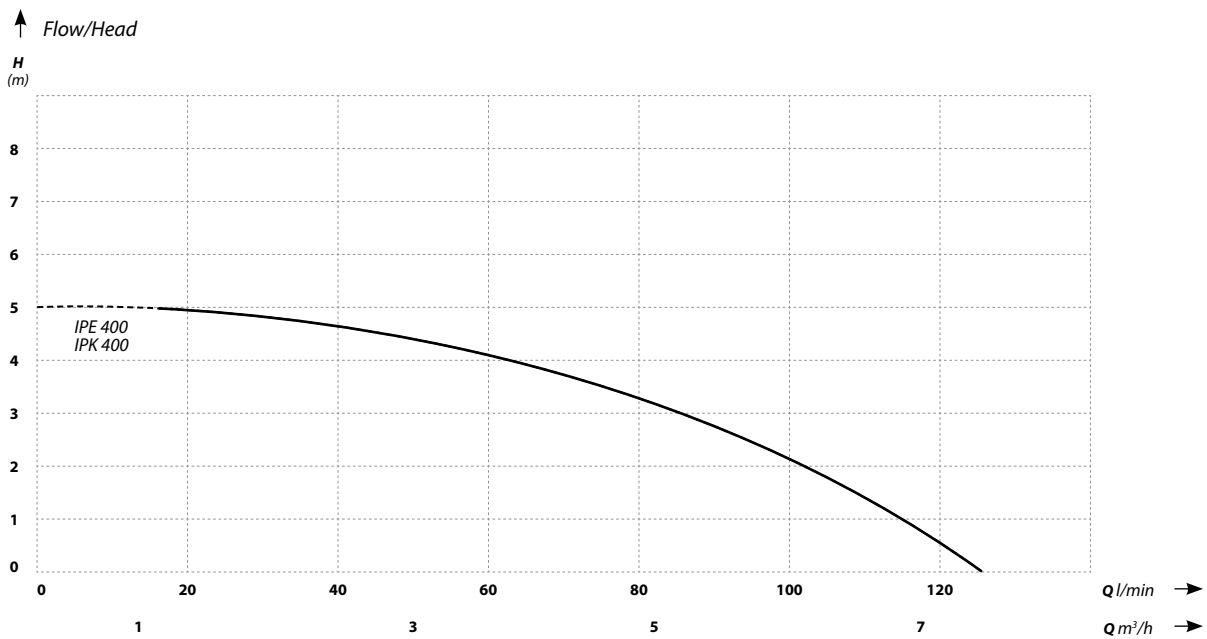
Draining flooded rooms, swimming pools, wells. The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level. The pumps can also be used for pumping rainwater.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress Protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Housing: Technopolymer
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
IPE 400	5	125	400	230	30	3	1-1½	23/39	4
IPK 400	5	125	400	230	30	3	1-1½	26/39	4,5



IPC 550



Adapter 1



Adapter 2



Adapter 3

A submersible plastic pump designed for pumping clean and slightly contaminated water. IPC 550 pump has a threaded outlet connection with a built-in non-return valve to which 3 different adapters can be attached in order to adapt the outlet diameter to individual requirements. The pumps have a cooling jacket so they do not have to be fully submerged. After removing the suction filter, water can be pumped-off down to 1 mm. Pumping can start at above 5 mm water level. Like IPE and IPK pumps, the IPC 550 pump is equipped with an integrated switch so it can be used in narrow wells. An additional advantage is the option to select the automatic or manual operating mode. Like IPE and IPK pumps, all pumps are supplied with thermal protection mounted in the motor winding.



Application:

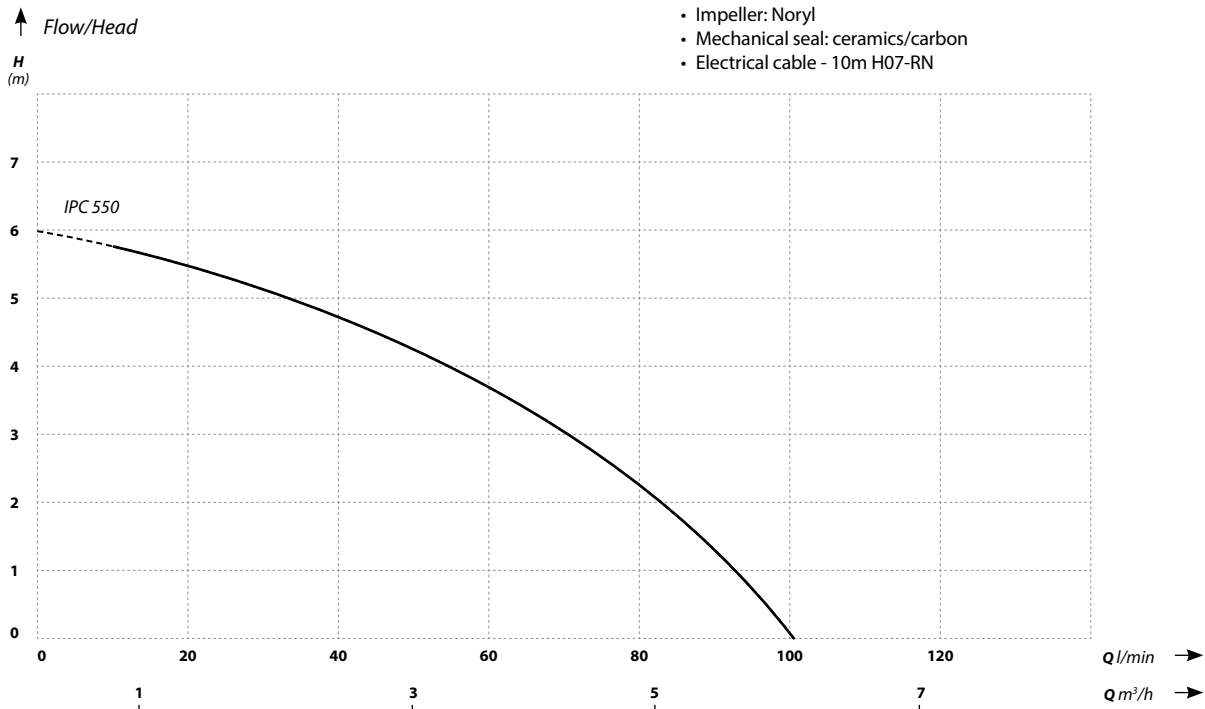
Draining flooded rooms, swimming pools, wells. The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level. The pumps can also be used for pumping rainwater.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress Protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- IP - Housing: Technopolymer
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon
- Electrical cable - 10m H07-RN



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
IPC 550	6	100	550	230	5	2.4	1½	20/31	4



FLOW LOW

Flowlow - 0,25INOX series are designed for clean and slightly polluted water, where water must be pumped out to a low level. The pumps are used for draining flooded rooms, swimming pools and sumps. They can also pump water from ponds, rivers, reservoirs and shallow wells.

Characteristics:

- The pump can pump out water to a level of about 5cm
- Pole float switch
- Threaded discharge port for easy connection of discharge hose using a hose clamp or quick release coupling
- Top quality materials
- Thermal protection built into the motor winding
- 24 months warranty
- Warranty and post-warranty service
- Impeller: Plastic

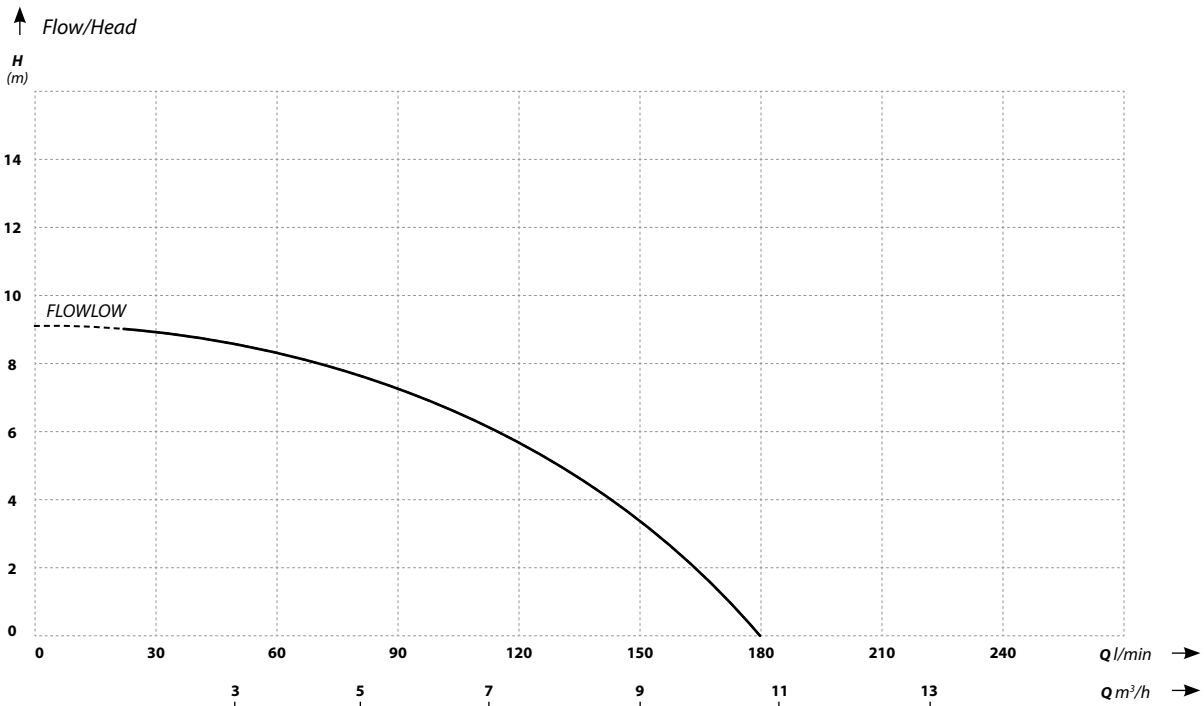
Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Insulation: B Class
- Operating mode - continuous
- Ingress protection: IP68
- Electrical cable: 8 m
- Working position: vertical
- Impeller passage: 8 mm
- Rotational speed of the electric motor: 2850 RPM



Materials:

- Housing: stainless steel AISI 316
- Impeller: plastic
- Shaft and rotor: stainless steel AISI 304
- Mechanical seal: ceramics/carbon/NBR (ITALY)



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
FLOW LOW 0,25	9	180	250	230	2	1,5"	25,1/30,3	6



NEMO | VM60

Vibration pumps

105 mm diameter vibration pumps for irrigation. Due to their high efficiency, NEMO and VM60 submersible vibration pumps are perfect for irrigation with clean water. Despite the small size, the pump design based on solenoids allows creating high pressure required for irrigation. Due to their compact size and low weight, vibration pumps are very popular among allotment gardeners. Pumps are equipped with a 10 m power cable. Pump housing is made of aluminium. Compact-size Nemo and VM60 pumps can operate even in small wells. The minimum diameter of a drilled well in which the pump can be used is 120 mm.

Application:

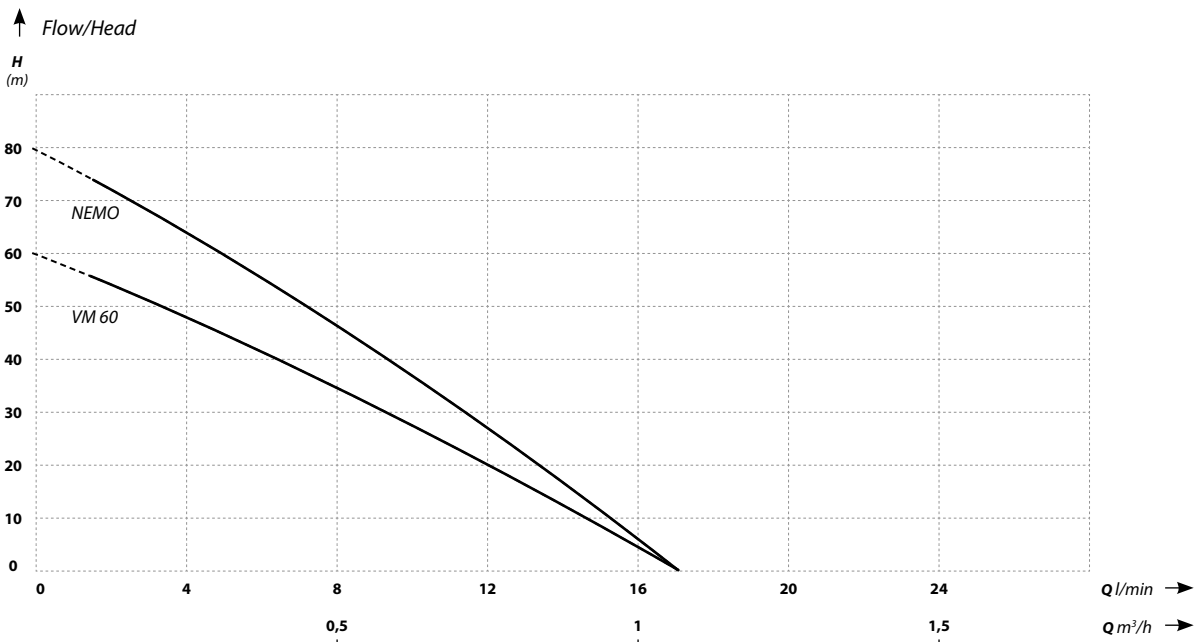
Supply of water to small holiday houses and irrigation of gardens.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: no
- Class B Insulation
- Operating mode - in 30 min. cycles
- Protection - IP68
- Rotational speed of the electric motor: 2850RPM
- Electrical cable - 10m H07-RNF

Materials:

- Housing: Aluminium



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
VM 60	60	17	250	230	3,5	3/8	105/180	4
NEMO	80	17	250	230	3,5	1/2	105/180	4



Multi IP 800 INOX

A series of high pressure submersible pumps for irrigation. The pumps have a stainless steel housing and multi-stage hydraulics. The pumps have a cooling jacket so that they do not have to be fully submerged. A filter screen fitted in the bottom of the pump allows water to be pumped down to 10 cm. Both Multi IP INOX pumps are equipped with a float switch for automatic pump control. Like IPE and IPK pumps, all pumps are supplied with thermal protection mounted in the motor winding.

Application:

Supplying houses with water from ring wells and for garden irrigation systems.

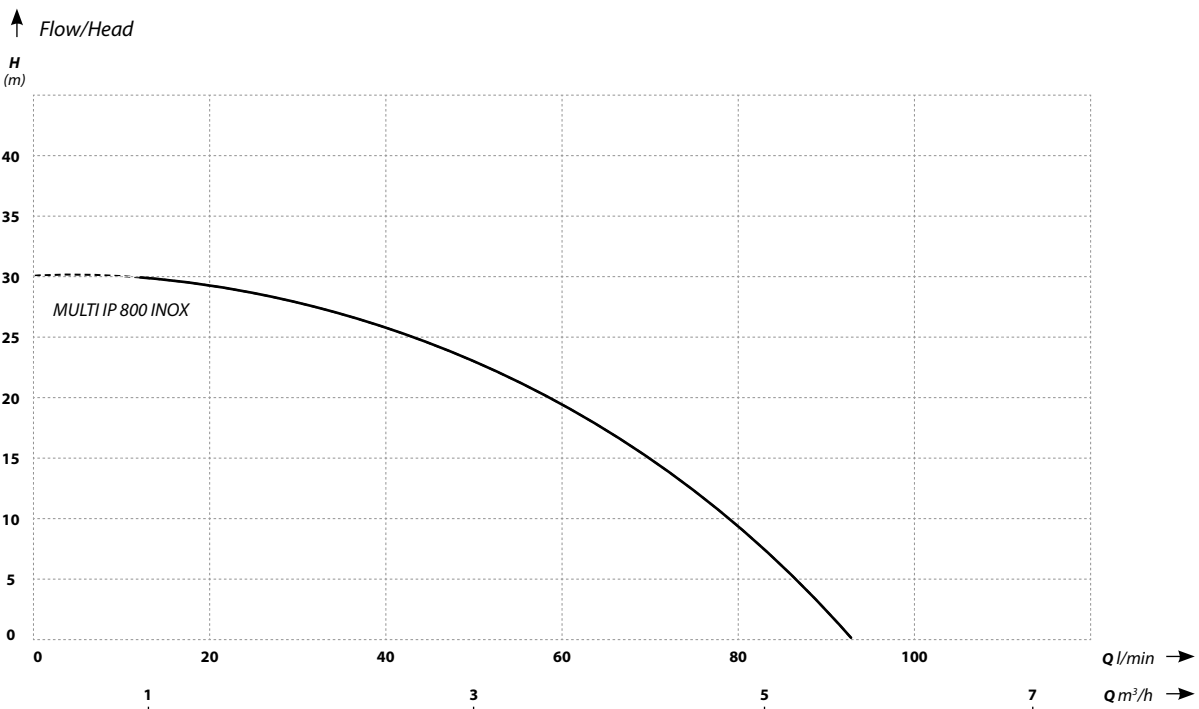
The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon/NBR
- Electrical cable - 10m H07-RNF



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
MULTI IP 800 INOX	30	92	800	230	0,5	3,5	1 / 1 ½	17/36	8,25



Multi IP INOX 1000 | 1200

A series of high pressure submersible pumps for irrigation. The pumps have a stainless steel housing and multi-stage hydraulics. The pumps have a cooling jacket so that they do not have to be fully submerged. A filter screen fitted in the bottom of the pump allows water to be pumped down to 10 cm. Both Multi IP INOX pumps are equipped with a float switch for automatic pump control. Like IPE and IPK pumps, all pumps are supplied with thermal protection mounted in the motor winding

Application:

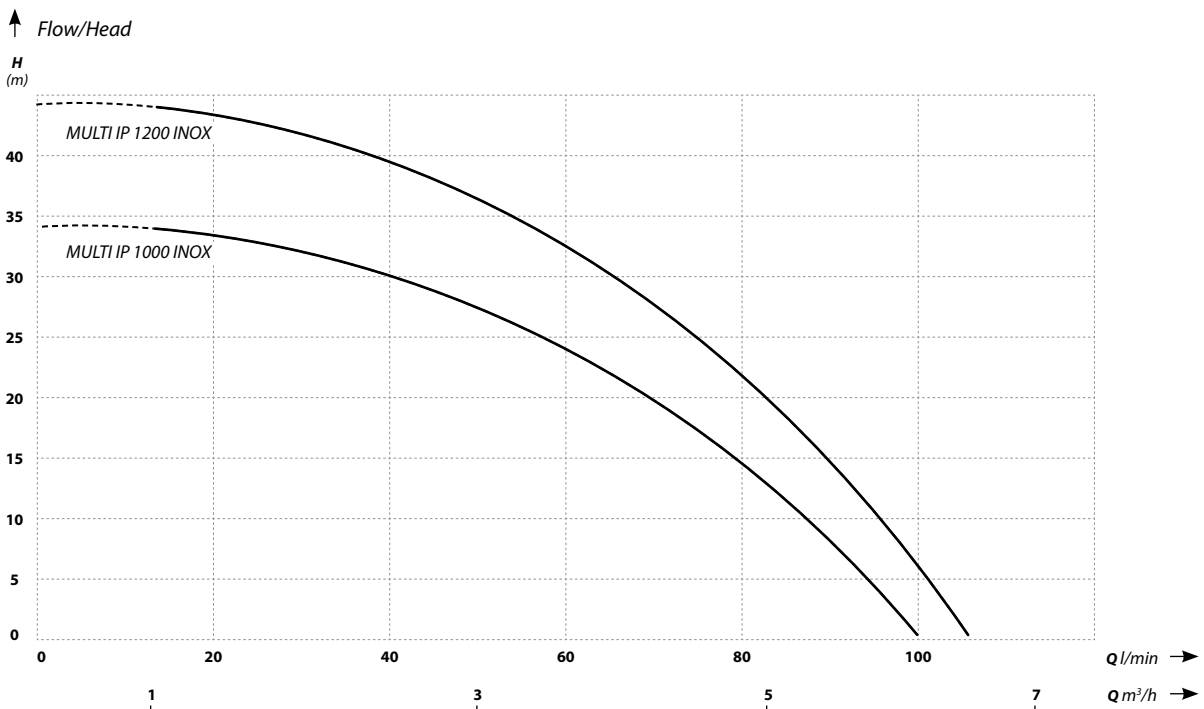
Supplying houses with water from ring wells and for garden irrigation systems. The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon/NBR
- Electrical cable - 10m H07-RNF



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
Multi IP 1000 INOX	34	100	1000	230	0,5	3,7	1½	18/41	10
Multi IP 1200 INOX	44	105	1200	230	0,5	4,8	1½	18/41	11



MULTI IP 1000 AUTO

Pumps with the same hydraulic components as Multi IP 800 INOX but with the built-in pump operation controller instead of the float switch. When the outlet valve is closed, the pump is stopped and goes into standby mode maintaining a constant pressure in the system. When the outlet valve is opened, the pump will automatically start.

Application:

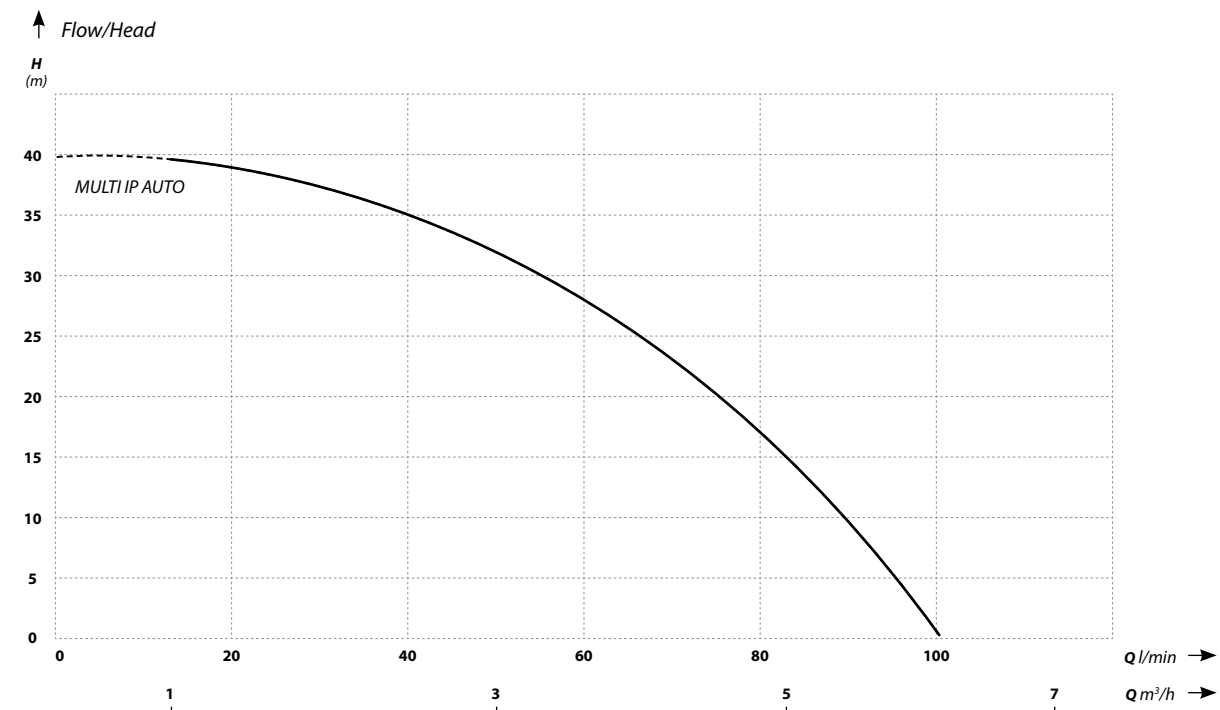
Supplying houses with water from ring wells and for garden irrigation systems. The pumps can be used in waterholes and for obtaining water from intakes with water surface close to the ground level.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: Noryl
- Mechanical seal: ceramics/carbon/NBR
- Electrical cable - 10m H07-RNF



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
MULTI IP 1000 AUTO	40	100	1000	230	0,5	5,2	1 / 1 ½	17/53	10



MULTI IP 1200 AUTO MULTI IP 1200 AUTO RAIN

A series of high-pressure submersible pumps designed for pumping clean and slightly polluted water not containing grinding elements (e.g. sand). These pumps are mainly used for watering and supplying houses with water from ring wells. They can also be used to pump out clean water from flooded rooms. Multi IP pumps can be used in ponds and to obtain water from sources whose water table is near the surface.

Application:

In rainwater tanks for watering gardens. Water supply to homes from wells and garden watering systems. The pumps can be used in ornamental ponds and for taking water from springs in which the water level is near the surface.

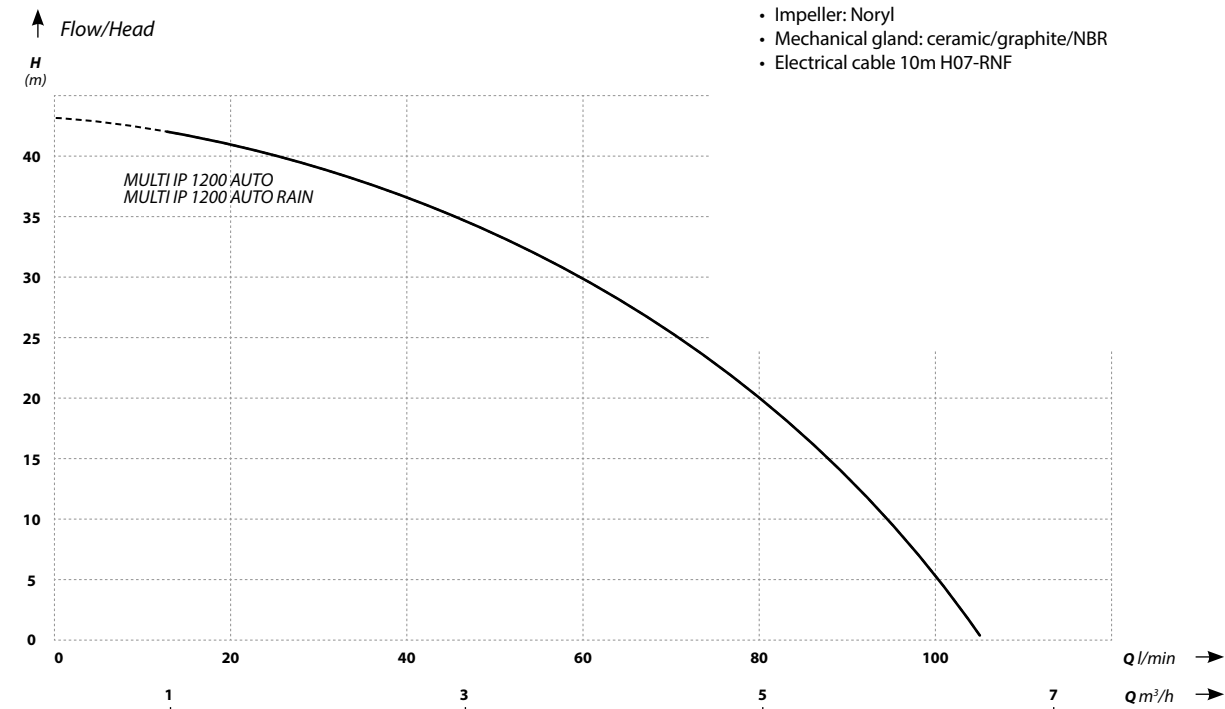
Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Insulation class B
- Operation mode – continuous
- Ingress protection - IP68
- Motor speed: 2850 RPM



Materials:

- Motor housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: Noryl
- Mechanical gland: ceramic/graphite/NBR
- Electrical cable 10m H07-RNF



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
MULTI IP 1200 AUTO	44	105	1200	230	9	3,5	1 x 1½	18/45	11
MULTI IP 1200 RAIN	44	105	1200	230	9	5,2	1 x 1½	20/45	11,5



H-SWQ



Impeller H-SWQ 1500



H-SWQ 1500



H-SWQ 2200



H-SWQ 1800

High-pressure submersible pumps for pumping clean and slightly polluted water containing no abrasive particles (e.g. sand). Due to their high lifting height, they are used in agriculture for irrigation and drainage, domestic and agricultural water supply from wells, lakes and rivers. They can also be used for draining flooded rooms, garages and premises.

Features:

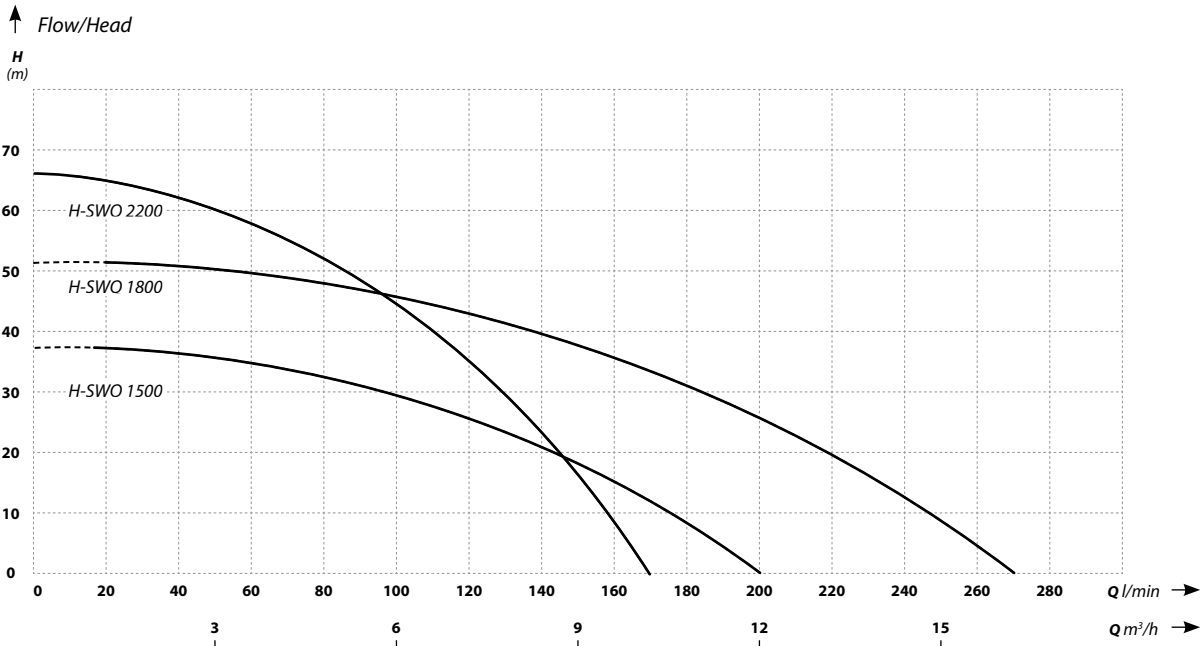
- Produce high water pressure, needed for watering
- With a float switch controlling the pump operation and protecting it against running dry
- The design incorporates a cooling jacket so that the pumps do not have to be completely submerged
- 8 m power cable with plug
- Thermal protection built into the motor winding
- Warranty 24 months
- Warranty and post-warranty service

Operating conditions:

- Maximum liquid temperature: 35°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: B (F - HSWQ 1800)
- Operating mode: continuous
- Ingress protection: IP68
- Power supply cable length: 8 m
- Working position: vertical
- Motor speed: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: stainless steel AISI 304 (HSWQ 1500 and HSWQ 1800) / noryl (HSWQ 1800)
- Mechanical seal: ceramic/carbon/NBR



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
H-SWQ 1500	38	200	1500	230	5	7,7	1½	18/47	15,5
H-SWQ 1800	53	270	1800	230	2	12	2	27/66	27
H-SWQ 2200	66	170	2200	230	2	15,5	2	19,5/74	29



SWQ / F-SWQ



SWQ



F-SWQ

Submersible pumps designed for pumping clean and slightly contaminated water. Due to the top quality stainless steel design, the pumps ensure long-term and reliable operation. The motor is equipped with thermal protection mounted in the winding. The pumps have a cooling jacket so that they do not have to be fully submerged. Compared to other SWQ pumps, the F marked pump provides a very high flow of up to 830 l/min. All pumps except the SWQ180 have impellers made of stainless steel and are equipped with float switches for operation control. Due to small size (12 cm diameter), the SWQ180 pumps can be used to extract water from small, narrow wells. The pumps do not have a float.

Application:

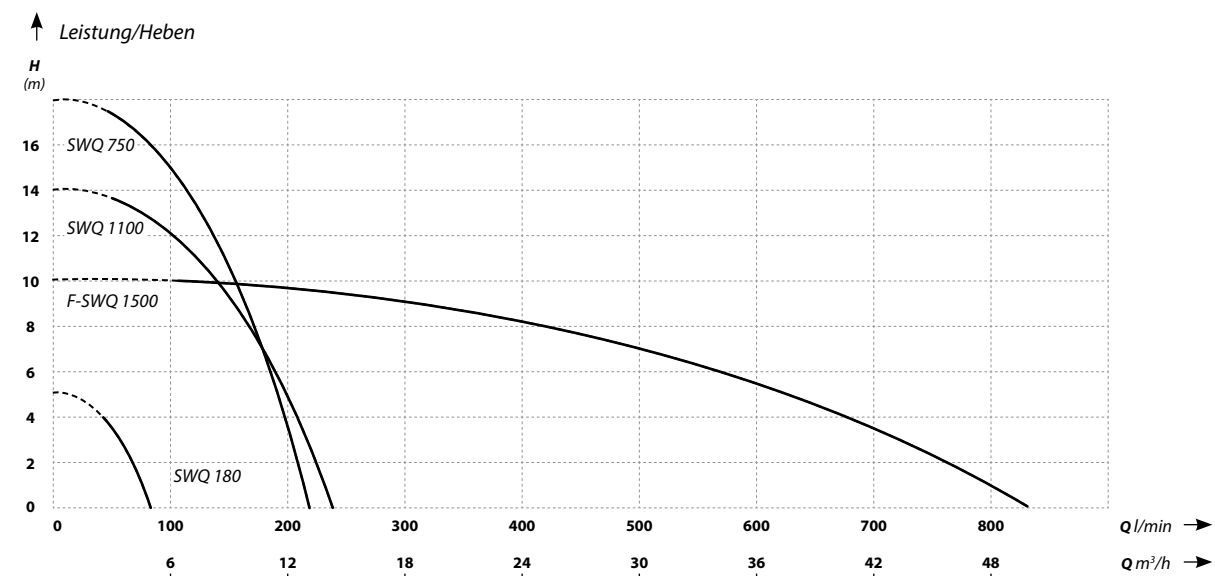
Pumping rainwater and surface water from ponds, lakes and rivers, supply of water to waterholes. Draining flooded rooms, houses, garages and premises, management of fish farms.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4-10
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: stainless steel AISI 304
- Mechanical seal: ceramics/carbon/NBR



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
SWQ 180	5,5	70	180	230	2	0,7	¾	12/16	3,5
SWQ 750	18	220	750	230	5	4,6	2	18/38	12,5
SWQ 1100	14	235	1100	230	5	6	2	17/40	13
F-SWQ 1500	10	830	1500	230	5	7,7	2	19/41	15



75-FAXIAL-0,25 INOX

75-FAXIAL-0,25 series pumps are designed for pumping clean cold water. Due to their high performance, they can be applied in aeration of fishing ponds and in irrigation for transporting large volumes of water.

Features:

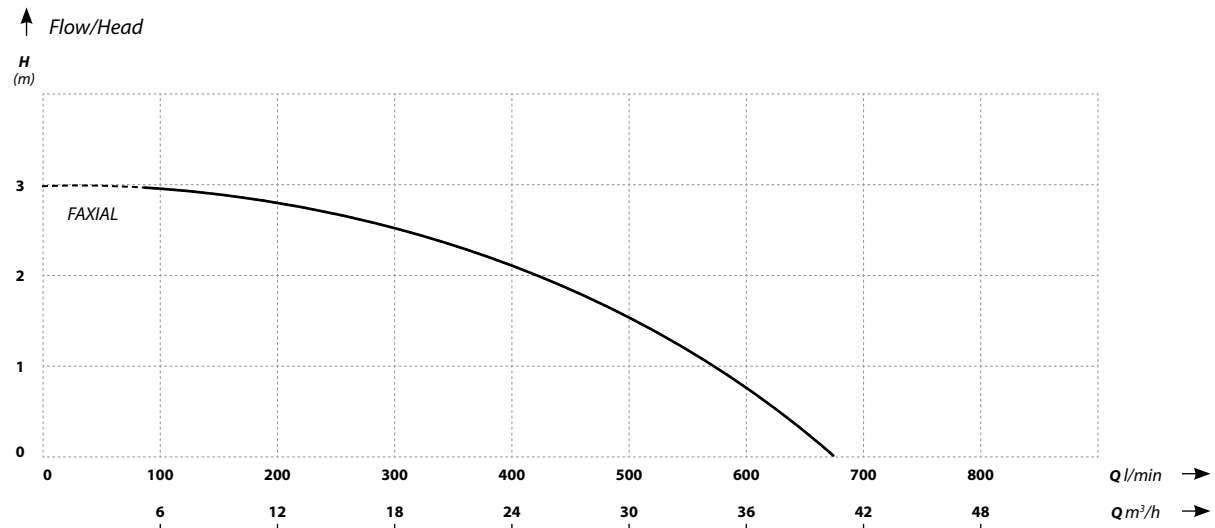
- High efficiency
- High performance with low current consumption
- Compact dimensions
- Top quality materials
- Thermal protection built into the motor winding
- 24 months warranty
- Warranty and post-warranty service.

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68
- Power cable length: 8 m terminated with a plug
- Working position: vertical
- Motor speed: 2850 RPM

Materials:

- Motor housing: AISI 316 stainless steel
- Rotor housing: AISI 316 stainless steel
- Rotor: AISI 316
- Shaft and rotor: AISI 316 stainless steel
- Mechanical gland: Double: ceramics/carbon/NBR (ITALY)



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
FAXIAL	3,3	670	250	230	2,3	3"	19,4/42	11,2



WQX

Submersible pumps designed for pumping clean and slightly contaminated water. The motor housing is made of aluminium and the motor is equipped with thermal protection mounted in the winding. High pressure is a special feature of the WQX series pumps. Pump operation is controlled by a float switch. The WQX 250 are available with and without the float switch.

Application:

Pumping rainwater and surface water from ponds, lakes and rivers, supply of water to waterholes. Draining flooded rooms, houses, garages and premises.

Operating conditions:

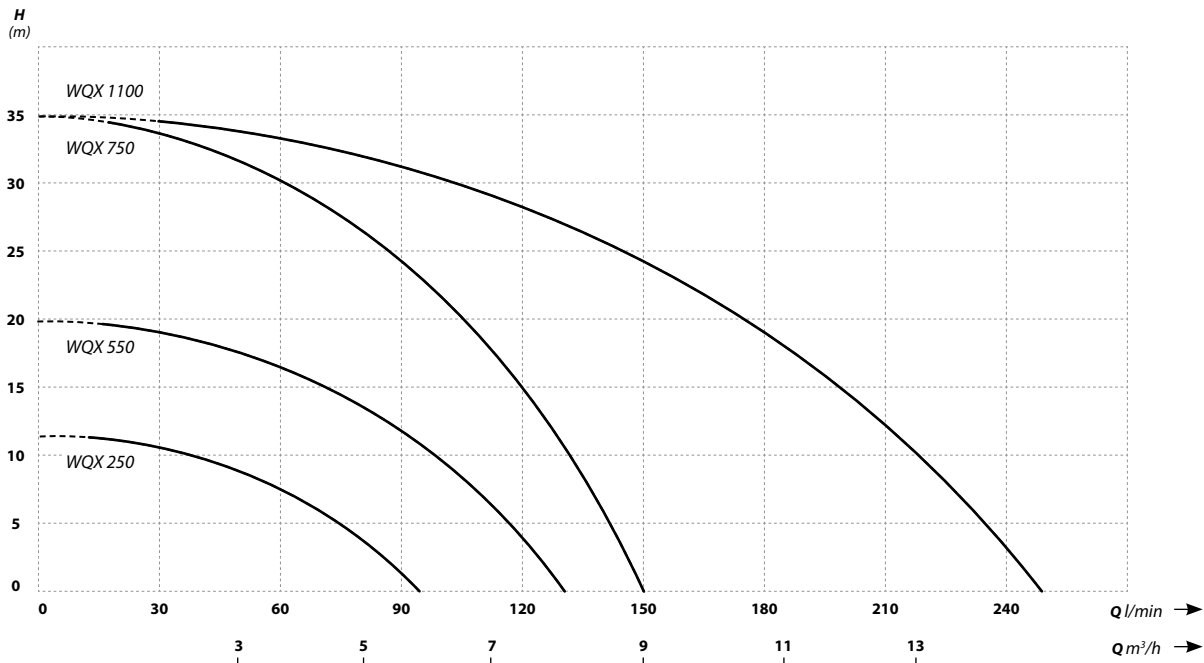
- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-8
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: Aluminium
- Shaft and rotor: stainless steel AISI 304
- Impeller: Aluminium
- Mechanical seal: ceramics/carbon/NBR
- Cable length: 10 m.



↑ Flow/Head



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQX 250	12	100	250	230	3	2	1	19/38	6
WQX 550	20	130	550	230	3	3,8	1	20/40	8,5
WQX 750	35	150	750	230	3	5,2	1	24/40	10
WQX 1100	35	250	1100	230	3	6,4	1½	26/45	13



MAGNUM

Submersible pumps designed for pumping sewage and water from flooded premises. The pump is available with a float switch for automatic operation control or without the float switch. Threaded outlet connection and a set of adapters provide connection of the discharge hose with a hose clamp or fast-connection coupling. Magnum pumps are equipped with thermal protection mounted in the motor winding. The motor housing is made of aluminium and the impeller is made of cast iron. Magnum 2500 and 2900 pumps are available with and without the float switch.

Application:

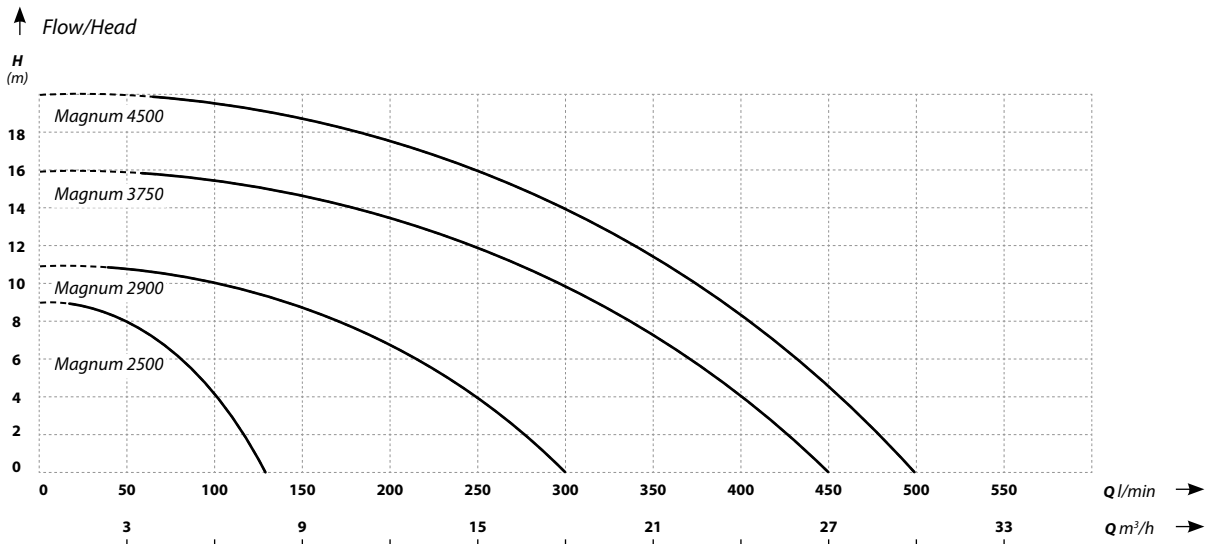
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-8
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: Aluminium
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
Magnum 2500	9	135	250	230	30	3,0	1½	23/36	6
Magnum 2900	11	300	550	230	35	4,2	2	26/40	12
Magnum 3750	16	450	750	230	35	6,1	2	26/41	14
Magnum 4500	20	500	1500	230	40	10	2	26/47	18



WQF

Submersible pumps designed for pumping sewage, dirty water, and water from flooded premises. The pumps are equipped with float switches for automatic pump control. Threaded outlet connection and a set of adapters provide connection of the discharge hose with a hose clamp or fast-connection coupling. WQF pumps are equipped with thermal protection mounted in the motor winding. The motor housing is made of AISI304 stainless steel, and the impeller is made of grey cast iron.

Application:

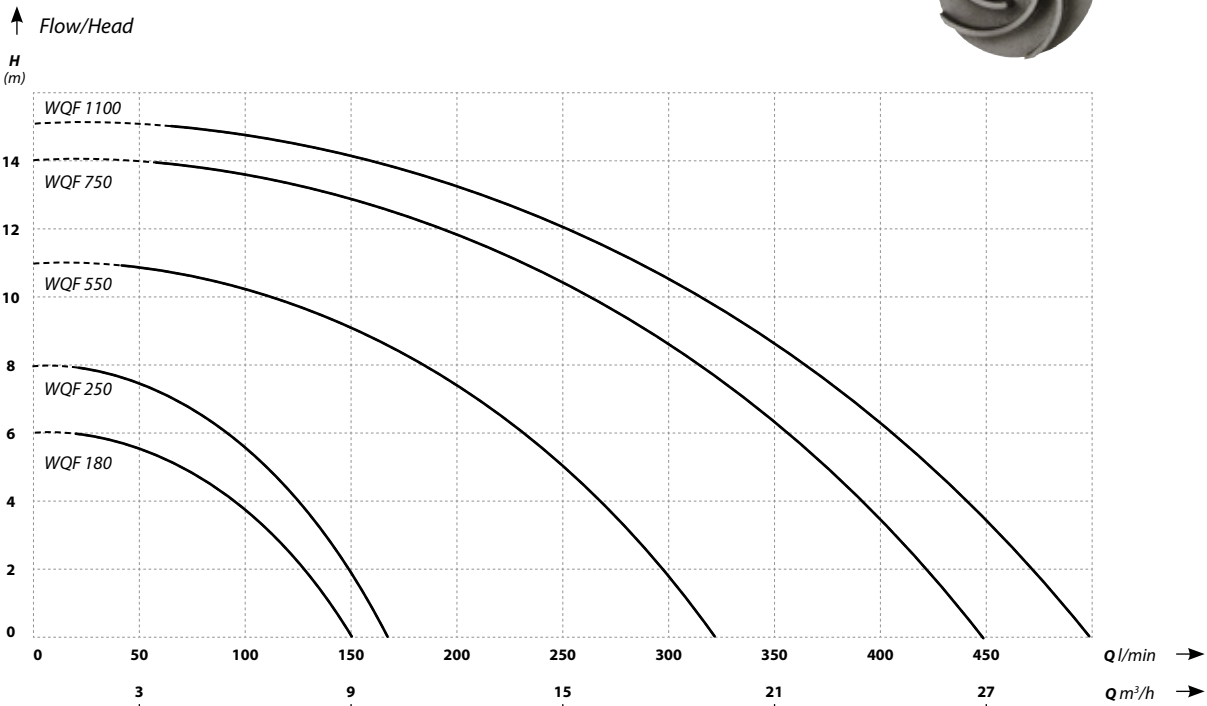
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-9
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQF 180	6	150	180	230	20	1,75	1	17/37	8
WQF 250	8	170	250	230	20	2,6	1	17/39	9
WQF 550	11	320	550	230	35	4,6	2	25/45	15
WQF 750	14	450	750	230	35	6,7	2	25/47	18,1
WQF 1100	15	500	1100	230	35	9,1	2	26/48	21



SN-450

Submersible pumps designed for pumping sewage, dirty water, and water from flooded premises. SN-450 pump is made of cast iron with VORTEX-type impeller. It can pump water with mechanical impurities with particle diameter of up to 20 mm. The pump is equipped with a vertical float switch for easy automatic operation in 25 cm diameter wells. SN-450 pump is equipped with thermal protection mounted in the motor winding.

Application:

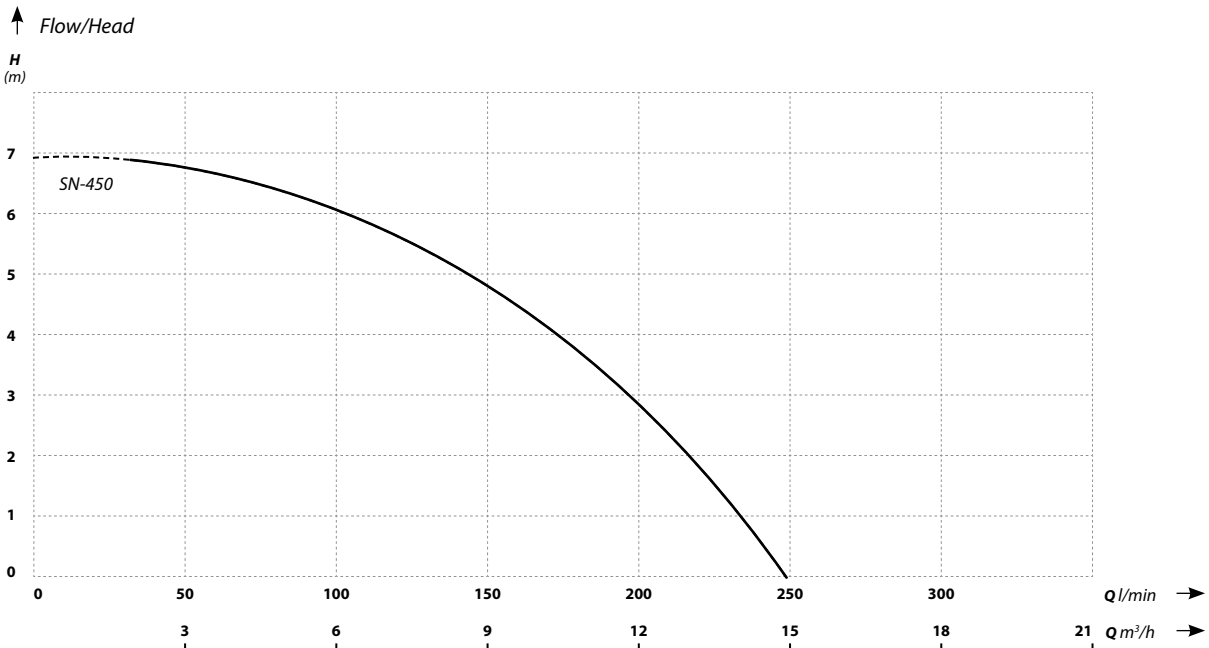
Pumping sewage from domestic septic tanks, draining flooded rooms, houses, garages and premises and pumping water from narrow well and canals. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-8
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: grey cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
SN-450	7	250	450	230	20	2,5	2	23/40	11,5



SWQ SEPTIC

Submersible pump with a 40mm passage Vortex impeller for pumping sewage, dirty water and water from flooded rooms. SWQ SEPTIC pumps are made of stainless steel and cast iron in order to withstand the adverse sewage environment. Pump outlet connection provides connection of the discharge hose with a hose clamp or fast-connection coupling. These pumps are widely used in agriculture. The SWQ SEPTIC pump is equipped with thermal protection mounted in the motor winding and a float switch for operation control.

Application:

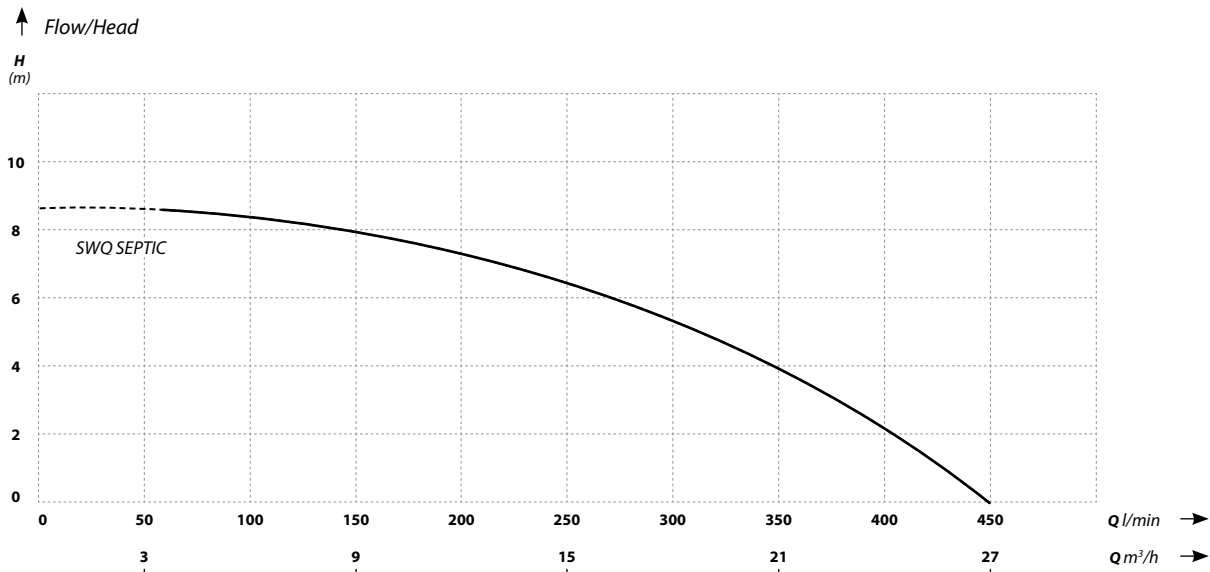
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4-10
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
SWQ SEPTIC	9	450	1100	230	40	7,7	2	30/48	25



BIG

Professional submersible sewage pumps with two-channel impeller. The BIG 1500 pump is available as 230 V ~/50 Hz version, BIG 2200 - as 400 V ~ 3 / 50 Hz. The impeller design reduces the risk of its clogging and ensures pumping of medium containing solids with maximum particle diameter of 50 mm. The BIG 1500 pump is equipped with a float switch for operation control. Single-phase pumps are supplied with thermal protection mounted in the motor winding. Due to the high quality materials used and the durable design, the pumps can be used in industrial applications.

Application:

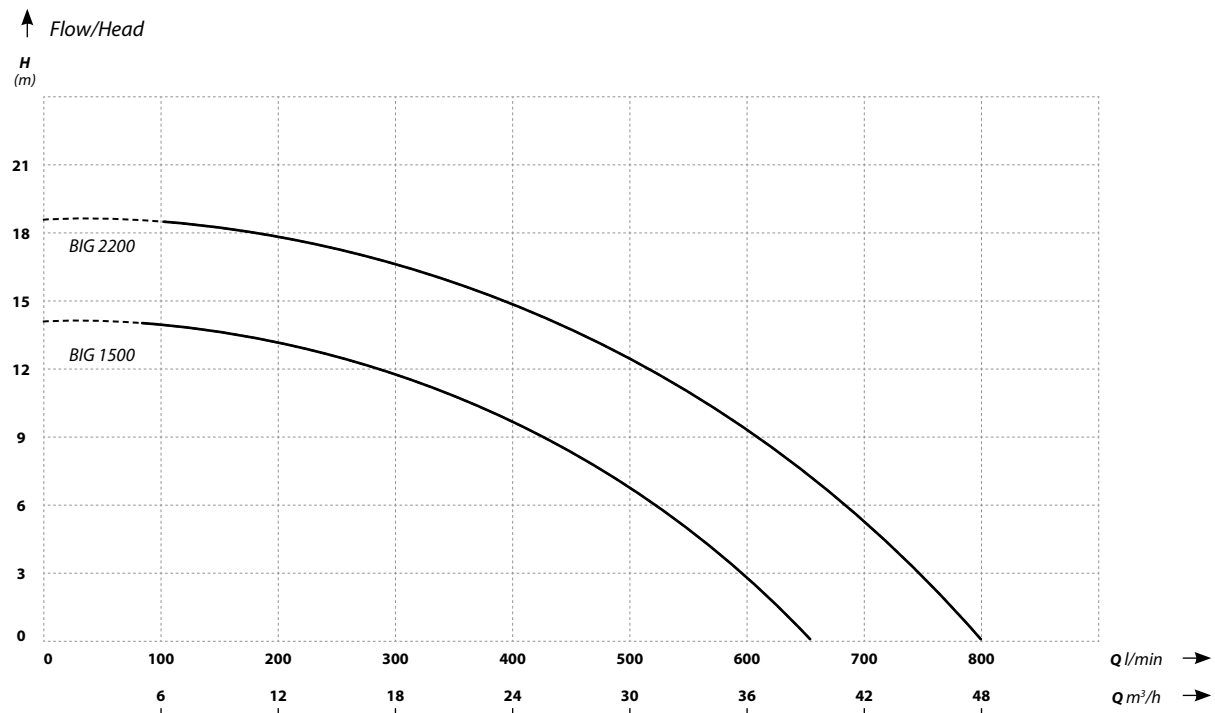
Pumping rainwater and surface water. Draining sewage in buildings, retail facilities and manufacturing plants, in industrial cooling or process water systems. Used in agriculture for draining and irrigation.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IPX8
- Water PH: 5-9
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850RPM

Materials:

- Motor housing: grey cast iron
- Body: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller: stainless steel AISI 304
- Mechanical seal: ceramics/graphite/ NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions (cm)			Weight (kg)
								A	B	C	
BIG 1500	14	666	1500	230	50	8,8	75	349	270	520	37
BIG 2200	19	800	2200	400	50	5,4	80	349	270	520	43



SWQ PRO

Flood pump

Professional submersible pump compliant with the most demanding European standards, intended for customers using drainage pumps in their professional work. Due to the use of a closed impeller, the pump can pump clean and slightly contaminated water.

With its 1500 W motor, 3-inch outlet, and maximum flow of up to 1400l/min, as well as a relatively low weight, the pump can be used to drain flooded houses, premises and garages during minor and major flooding. The pump is equipped with a float switch for operation control and thermal protection mounted in the motor winding.

Application:

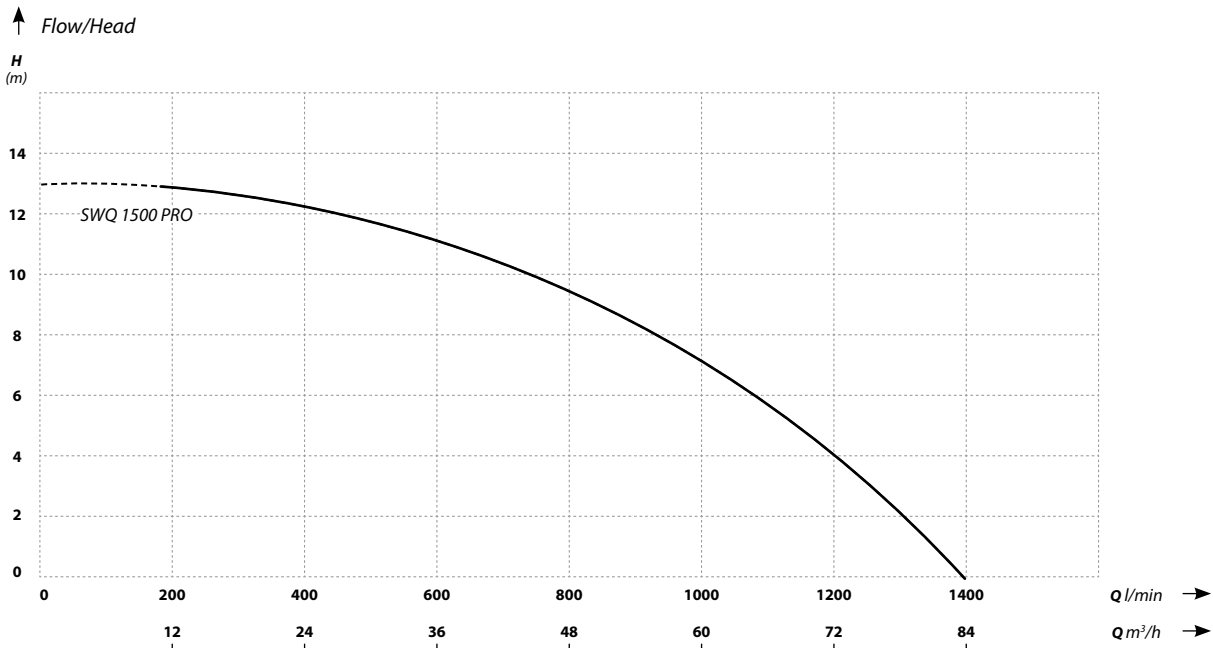
Pumping rainwater and surface water. Drainage of flooded households, agriculture farms, premises and garages. Pumping cooling or process water in industrial systems. Used in agriculture for draining and irrigation. The pump can be used in fish farms.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-9
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
SWQ 1500 PRO	13,5	1400	1500	230	3	9,5	3	29/54	25



WQ PRO

Construction pump

Submersible pump with a 40mm passage Vortex impeller for pumping sewage, dirty water and water from flooded rooms. The pump is compliant with the most demanding European standards, therefore it is intended for customers using such products in their professional work. WQ PRO pumps are made of cast iron in order to withstand the adverse sewage environment. Pump outlet connection provides connection of the discharge hose with a hose clamp or fast-connection coupling. These pumps are widely used in agriculture. The WQ PRO pump is equipped with thermal protection mounted in the motor winding and a float switch for operation control. The WQ 1500 PRO pump is mainly intended for customers in the civil engineering industry, where the top quality and high performance is required. It can also be used in industrial applications.

Application:

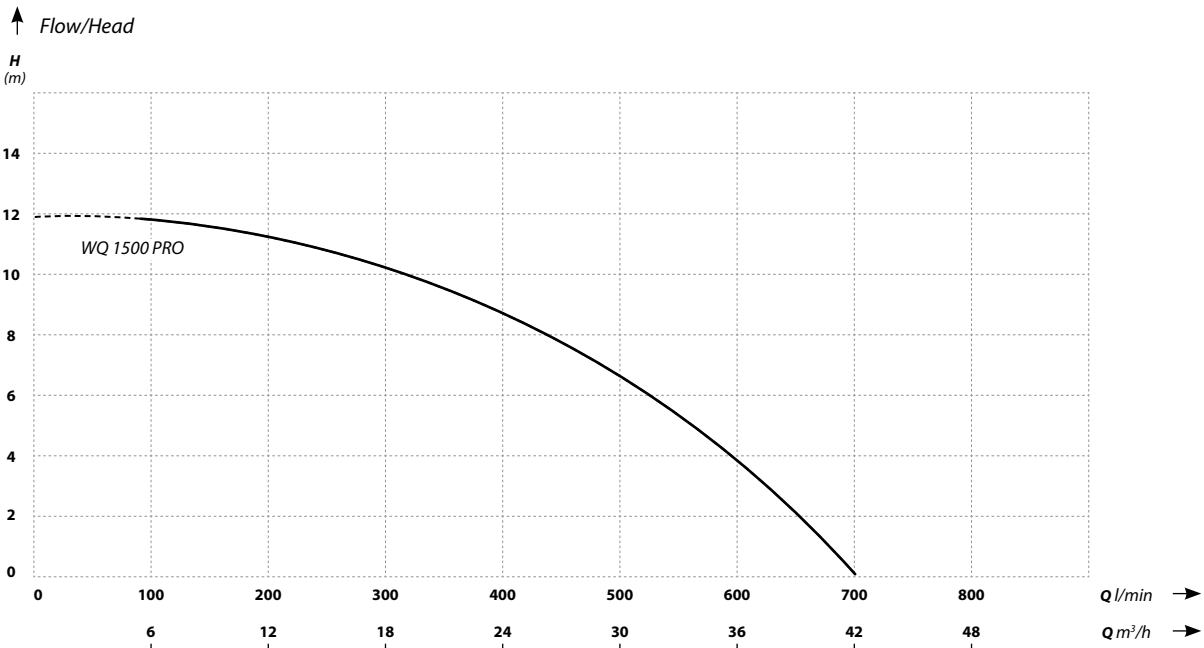
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-9
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: alloy
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQ 1500 PRO	12	700	1500	230	5	7,8	3	32/50	27



WQ PROFESSIONAL

Professional submersible pumps intended for customers who need strong and durable product in their professional work. Due to the top quality materials used, such as stainless steel and cast iron, and very high performance, WQ PROFESSIONAL pumps can operate in demanding conditions and withstand the adverse sewage environment. The pumps are widely used in sewage pumping stations. All pumps feature a factory-mounted float switch for operation control and thermal protection mounted in the motor winding. Additionally, the WQ Professional 1500 pump is equipped with a cutting impeller with 50 mm passage. Discharge hose can be connected to the pump outlet with a hose clamp or fast-connection coupling.

Application:

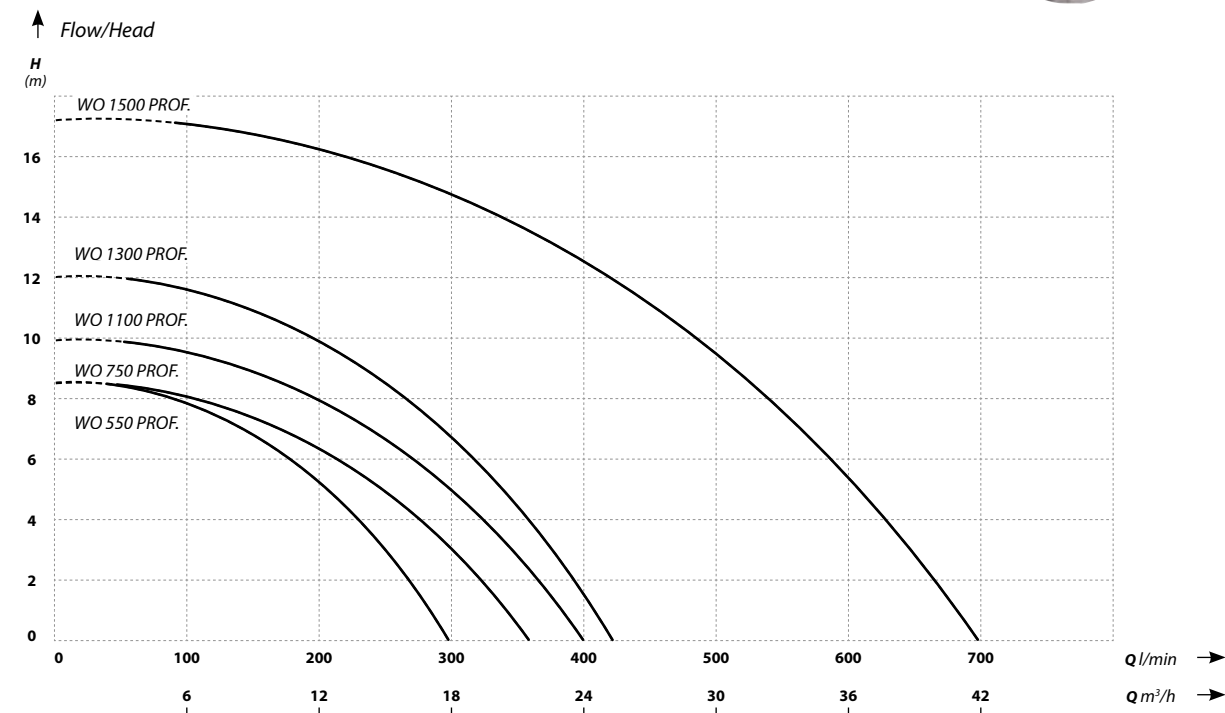
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Sewage treatment plants. Occasional renovation works. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4-10
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQ 550 PROFESSIONAL	8,5	300	550	230	35	2	2	24/42	15
WQ 750 PROFESSIONAL	8,5	350	750	230	35	4	2	26/52	25,2
WQ 1100 PROFESSIONAL	10	400	1100	230	35	5,2	2	26/54	26,9
WQ 1300 PROFESSIONAL	12	420	1300	230	35	7	2	27/55	29,3
WQ 1500 PROFESSIONAL	17	700	1500	230	50	9,4	2	31/57	32,6



75-FWQ-1,5 INOX

75-FWQ-1,5 pumps are designed for pumping sewage, dirty water and water from flooded rooms. The pumps are used to pump sewage from domestic sump pits and to drain flooded rooms, houses, garages and premises. They are also used in pumping rainwater and surface water from ponds, lakes and rivers, and for feeding ponds.

Characteristics:

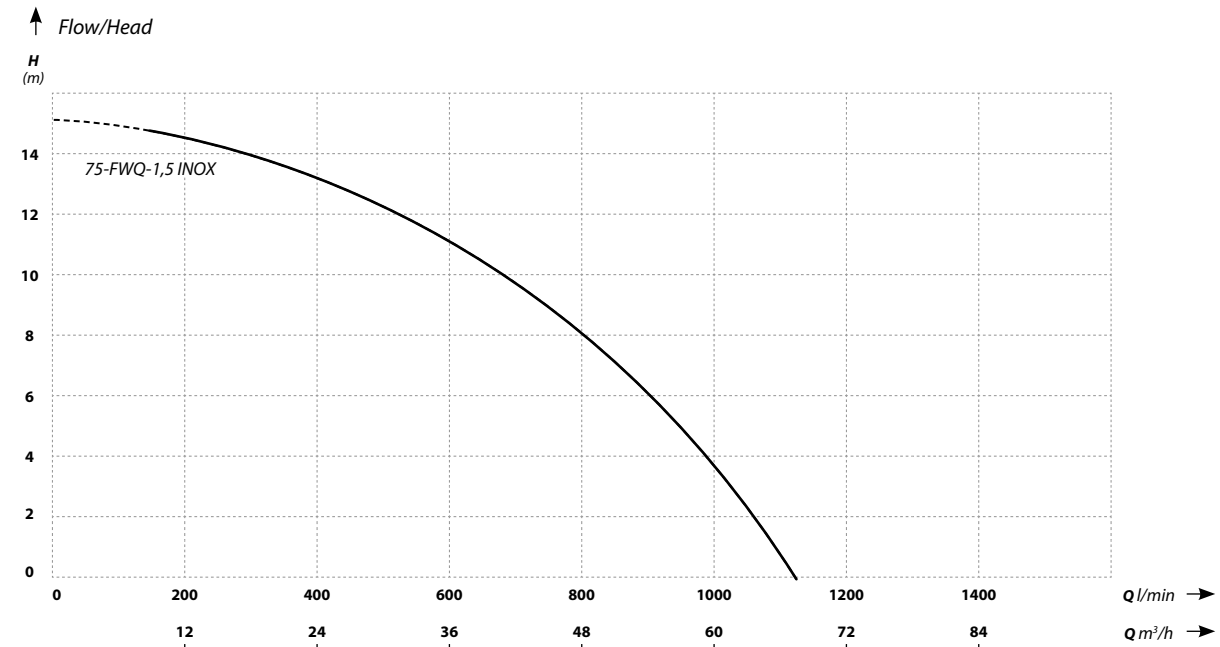
- High efficiency with low motor power
- Rotor blades allow for breaking up the pumped elements
- Threaded discharge port for easy connection of discharge hose using a hose clamp or quick release coupling
- Top quality materials
- Thermal protection built into the motor winding
- 24 months warranty
- Warranty and post-warranty service.

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230V
- Insulation Class: B
- Working mode: continuous
- Ingress protection: IP68
- Power cable length: 8m with a plug
- Working position: vertical
- Engine speed: 2850 RPM

Materials:

- Motor housing: AISI 316 stainless steel
- Rotor housing: Gray cast iron
- Shaft and rotor: AISI 304 stainless steel
- Impeller: Cast Iron / Tungsten
- Mechanical gland: Double: ceramic/carbon/NBR (ITALY)



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
75 FWQ 1,5	15	1170	1500	230	15	8	3	52/32	26,5

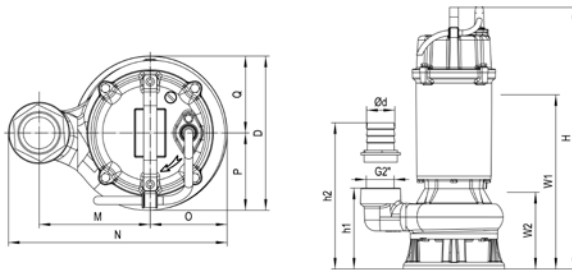


WQ-65-1,5

Submersible pumps with cutting system

Professional submersible pumps for pumping domestic sewage and for draining flooded rooms. To ensure trouble-free operation, the pumps are equipped with overload protection mounted in the motor winding. If there is a risk of overloading the motor, the protection will switch off the pump. The construction made of cast iron, alloy and stainless steel makes the pumps resistant to mechanical damage and chemical corrosion. The pump impeller has a single-channel design, resulting in high efficiency. The pumps are fitted with a threaded discharge port which allows the discharge hose to be connected by means of a hose clamp or quick coupling.

The pumps are used for pumping sewage from domestic and agricultural septic tanks and for draining flooded premises, houses, garages and apartments. Pumping rainwater and surface water from ponds, lakes and rivers, feeding ponds. Domestic wastewater treatment plants.



Nazwa	Wymiary (mm)					
	d	h1	h2	W1	W2	H
WQ-65-1,5	65	142	210	120	345	485
	M	N	O	P	Q	D
	130	253	90	90	90	180

Features:

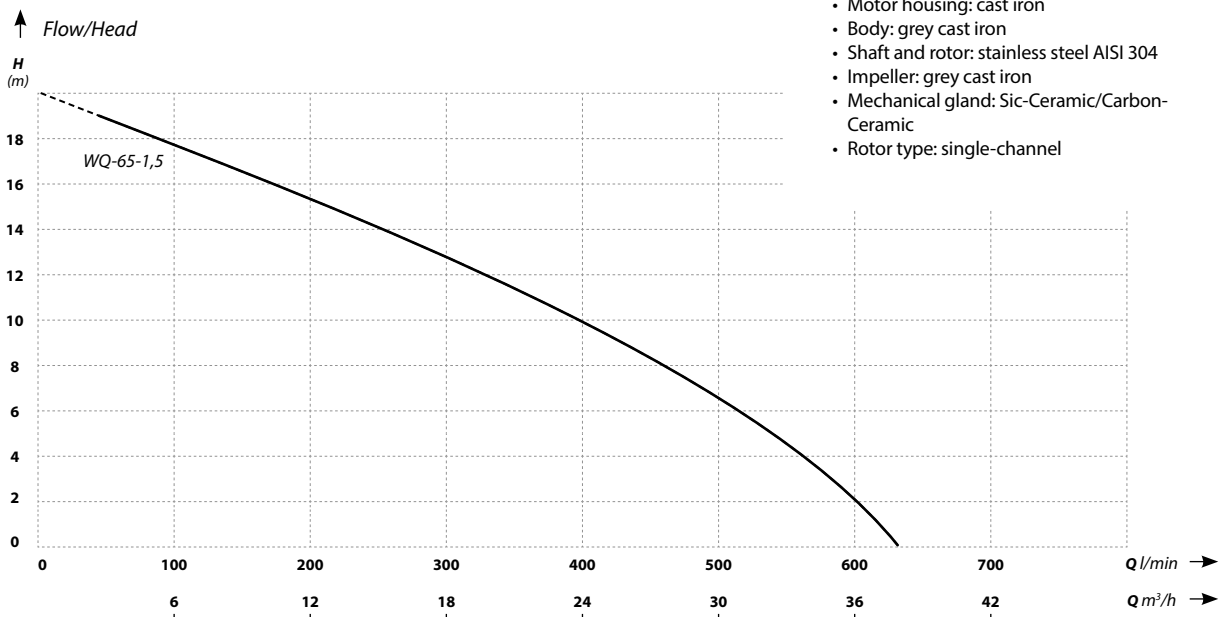
- Top quality materials
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 8 m
- Motor speed: 2850 RPM
- Water PH: 6-10

Materials:

- Motor housing: cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical gland: Sic-Ceramic/Carbon-Ceramic
- Rotor type: single-channel



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQ-65-1,5	20	630	1500	400	3,2	2½	25	23,5

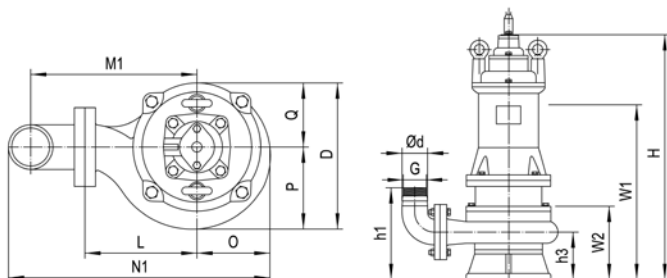


WQ-80-3 | WQ-65-4

Submersible pumps with cutting system

Professional submersible pumps for pumping domestic sewage and for draining flooded rooms. To ensure trouble-free operation, the pumps are equipped with overload protection mounted in the motor winding. If there is a risk of overloading the motor, the protection will switch off the pump. The construction made of cast iron, alloy and stainless steel makes the pumps resistant to mechanical damage and chemical corrosion. The pump impeller has a single-channel design, resulting in high efficiency. The pump orifice allows the pump to be mounted on a coupling foot. The termination of the orifice is an elbow steel pipe ending in a thread or orifice.

The pumps are used for pumping sewage from domestic and agricultural septic tanks and for draining flooded premises, houses, garages and apartments. Pumping rainwater and surface water from ponds, lakes and rivers, feeding ponds. Domestic wastewater treatment plants.



Model	Ød	h1	h3	W1	W2	H	O	P	Q	L	D	M1	N1
WQ-80-3	80	270	125	450	170	630	107	115	100	153	215	245	390
WQ-65-4	65	240	120	455	160	650	115	115	115	180	230	250	397

Features:

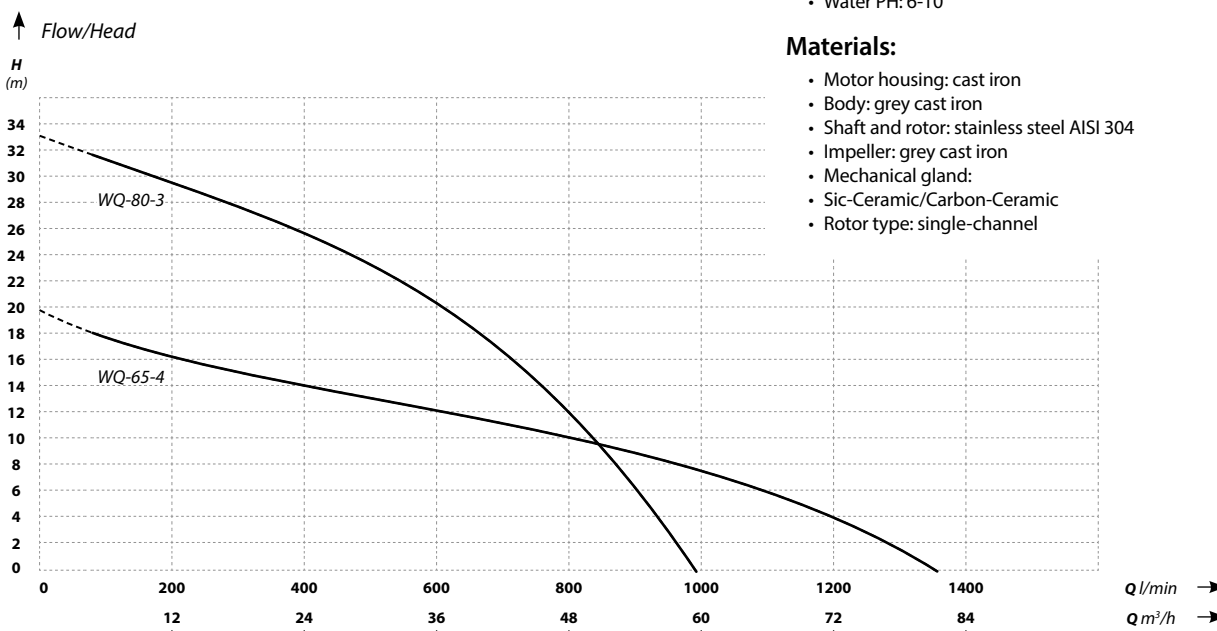
- Top quality materials
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 8 m
- Motor speed: 2850 RPM
- Water PH: 6-10

Materials:

- Motor housing: cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical gland:
- Sic-Ceramic/Carbon-Ceramic
- Rotor type: single-channel



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQ-80-3	20	1360	3,0	400	6,5	3	30	55
WQ-65-4	33	1000	4,0	400	8,9	2½	20	61



VX-80-1,5 | VX-80-2,2

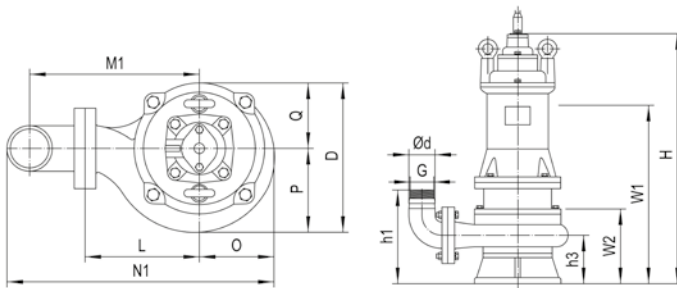
Submersible pumps with cutting system



Professional submersible pumps fitted with VORTEX open rotors for pumping domestic sewage and for draining flooded rooms. If there is a risk of overloading the motor, the protection will switch off the pump. The construction made of cast iron, alloy and stainless steel makes the pumps resistant to mechanical damage and chemical corrosion. The pump impeller has a single-channel design, resulting in high efficiency.

The pump orifice allows the pump to be mounted on a coupling foot. The termination of the orifice is an elbow steel pipe ending in a thread or orifice.

The pumps are used for pumping sewage from domestic and agricultural septic tanks and for draining flooded premises, houses, garages and apartments. Pumping rainwater and surface water from ponds, lakes and rivers, feeding ponds. Domestic wastewater treatment plants.



Model	Ød	h1	h3	W1	W2	H	Q	P	Q	L	D	M1	N1
VX-80-1,5	80	255	110	420	170	585	107	110	107	165	217	255	400
XV-80-2,2	80	255	110	400	170	565	107	110	107	165	217	255	400

Features:

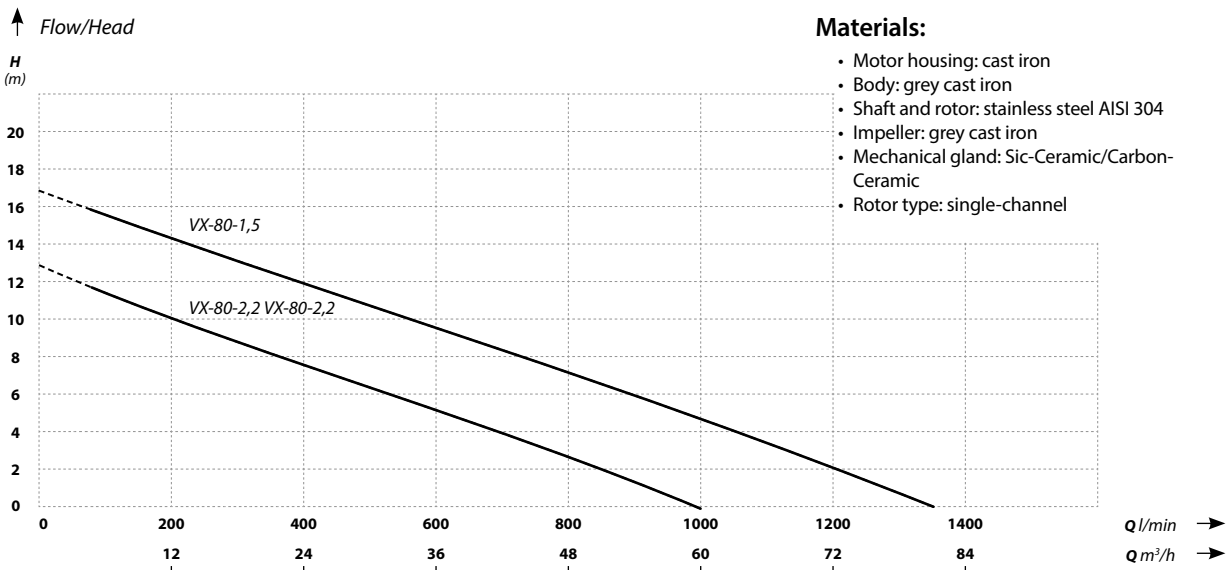
- Top quality materials
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 400 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP 68
- Length of power cable: 8 m
- Motor speed: 2850 RPM
- Water PH: 6-10
- Liquid density: $1,3 \times 10^3 \text{ kg/m}^3$

Materials:

- Motor housing: cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical gland: Sic-Ceramic/Carbon-Ceramic
- Rotor type: single-channel



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
VX-80-1,5	13	1000	1,5	400	3,2	3	40	44
VX-80-2,2	17	1360	2,2	400	5,0	3	40	46



50-KBFU-0,40 INOX 50-KBFU-0,75 INOX

KBFU series submersible pumps are designed for professional draining works and for applications where there is a risk that pumped water contains sand or sludge. The pumps are intended for removal of water from flooded rooms, houses, garages and premises, and construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Mines and quarries.

Characteristics:

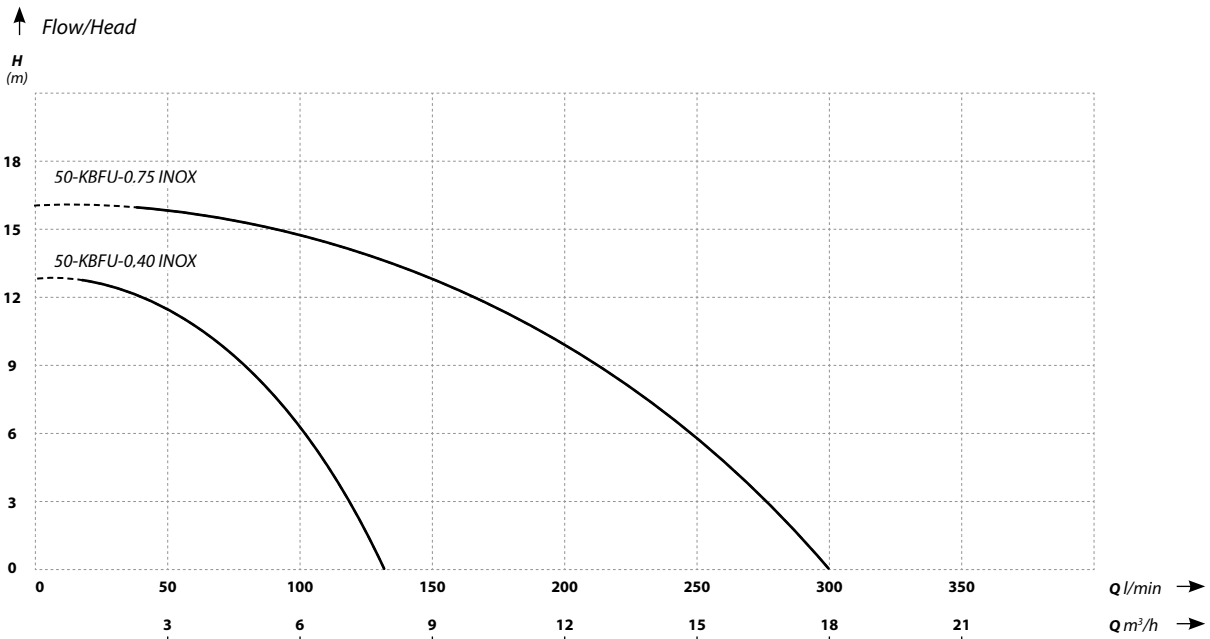
- Suitable for pumping water with sand
- Capable of pumping water to a low level of 5 mm
- Column float switch (50-KBFU-0.75 INOX)
- Top quality materials
- Threaded discharge port for easy connection of discharge hose using a hose clamp or quick release coupling
- 8m power cable with a plug
- Thermal protection built into the motor winding
- 24 months warranty
- Warranty and post-warranty servic

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68
- Length of power supply cable: 8m with a plug
- Working position: vertical
- Motor speed: 2850 RPM

Materials:

- Motor housing: AISI 316 stainless steel
- Impeller housing: Grey cast iron
- Shaft and rotor: AISI 316 stainless steel
- Impeller: Steel / glass fibre reinforced PA
- Mechanical seal: Double: ceramic/carbon/NBR (ITALY)
- Dimensions 40cmx24cm
- weight 12.4 kg



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
50-KBFU-0,40 INOX	13	130	400	230	2	3	2"	40 × 24	12,4
50-KBFU-0,75 INOX	16	300	750	230	7	4,8	2"	44 × 24	13,8



25-KBFU-0,45 50-KBFU-0,45

KBFU submersible pumps are designed for professional drainage works and everywhere where there is a risk that pumped water contains sand or sludge. The pumps are used for draining flooded rooms, houses, garages, apartments or construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Mines and quarries.

Features:

- Suitable for pumping water with sand
- Post float switch (50-KBFU-0,45)
- Capable of pumping water to a low level of 3 mm (25-KBFU-0,45)
- Top quality materials
- Thermal protection built into the motor winding
- The pump motors are from the Japanese company NSK
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 2850 RPM
- Water PH: 5-9
- Liquid density: 1200 kg/m³

Materials:

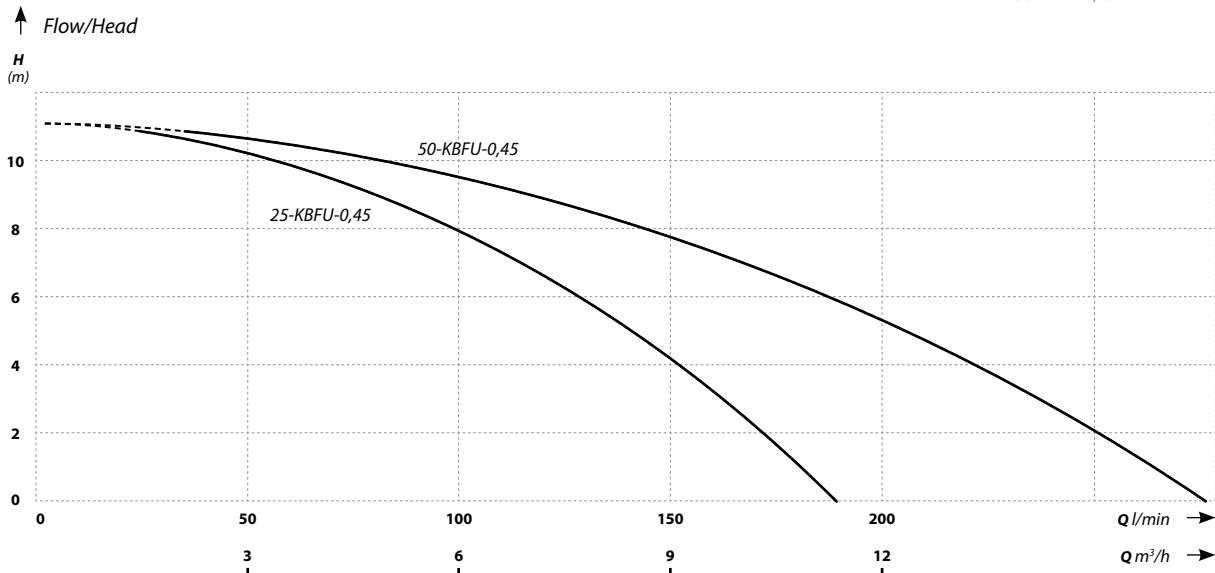
- Motor housing: stainless steel AISI 304
- Impeller housing: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron with heavy wear coating / chromium alloy
- Mechanical gland: Sic-Sic / Carbon-Sic
- Bearings: NSK



25-KBFU-0,45

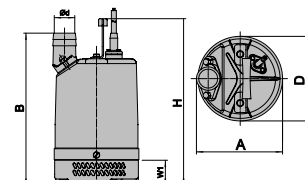


50-KBFU-0,45



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
25-KBFU-0,45	15	750	1,5	400	3,5	3	37
50-KBFU-0,45	26	600	2,2	400	5,0	2	39

Name	Dimensions (mm)					
	d	A	B	D	H	W
25-KBFU-0,45	25	230	340	220	340	60
50-KBFU-0,45	50	230	360	220	340	60





50-KBFU-0,80

The small submersible pumps of the KBFU series are suitable wherever there is a risk that the pumped water contains sand or sludge. The pumps are used for draining flooded rooms, houses, garages or apartments. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering.

Features:

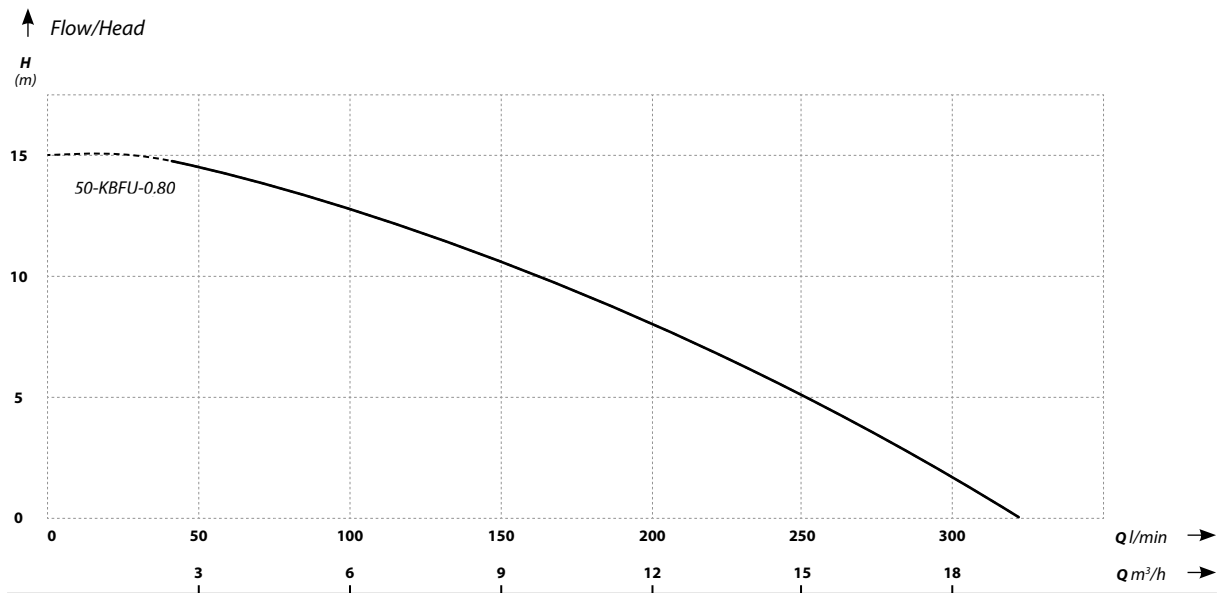
- Suitable for pumping water with sand
- Top quality materials
- Double thermal protection embedded in the motor winding
- The discharge spigot can be mounted either vertically or horizontally
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 2850 RPM
- Water PH: 6,5-8,5
- Liquid density: 1200 kg/m³
- Maximum draught 7 m

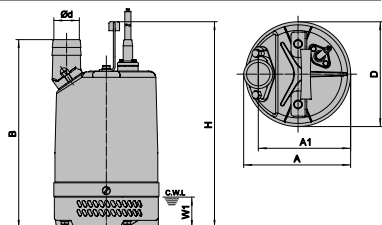
Materials:

- Motor housing: aluminium alloy
- Body: aluminium alloy
- Shaft and rotor: stainless steel AISI 420SS
- Impeller: AISI201SS stainless steel with heavy wear coating (TPU)
- Bearings: NSK
- Mechanical gland: Ceramic-Sic / Carbon-Ceramic



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
50-KBFU-0,80	15	320	0,80	230	5	2	14,1

Name	Dimensions (mm)					
	d	A	B	D	H	W
50-KBFU-0,80	50	190	336	187	368	50





50-KBFU-0,55

The small submersible pumps of the KBFU series are suitable wherever there is a risk that the pumped water contains sand or sludge. The pumps are used for draining flooded rooms, houses, garages or apartments. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering.

Features:

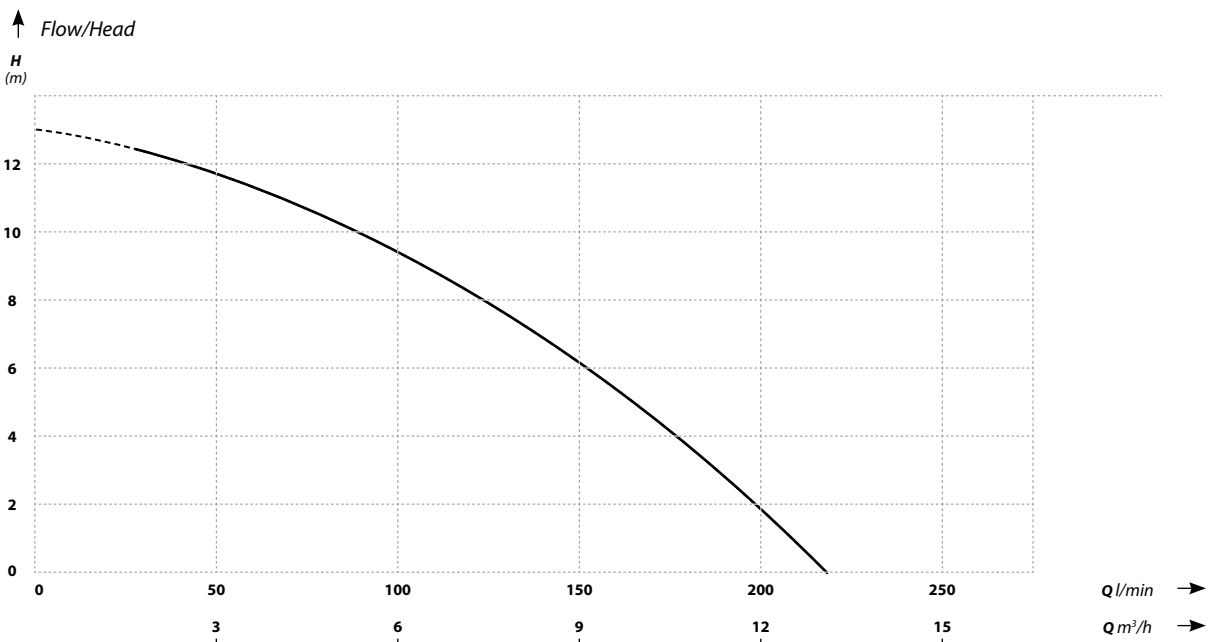
- Suitable for pumping water with sand
- Top quality materials
- Double thermal protection embedded in the motor winding
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 2850 RPM
- Water PH: 6.5-8.5
- Liquid density: 1200 kg/m³
- Maximum draught 7 m

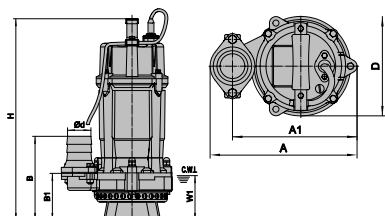
Materials:

- Motor housing: aluminium
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 420SS
- Impeller: chrome alloy
- Agitator: chrome alloy
- Bearings: NSK
- Mechanical gland: Ceramic-Sic / Carbon-Ceramic



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
50-KBFU-0,55	13	220	0,55	230	4	2	15,8

Name	Dimensions (mm)					
	d	A	B	D	H	W
50-KBFU-0,55	50	237	168	160	405	95





KBFU

KBFU submersible pumps are designed for professional drainage works and everywhere where there is a risk that the pumped water a lot of sand or sludge. The pumps are used for draining flooded rooms, houses, garages, apartments or construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Mines and quarries.

Features:

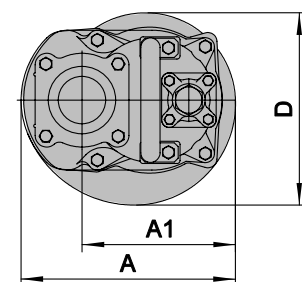
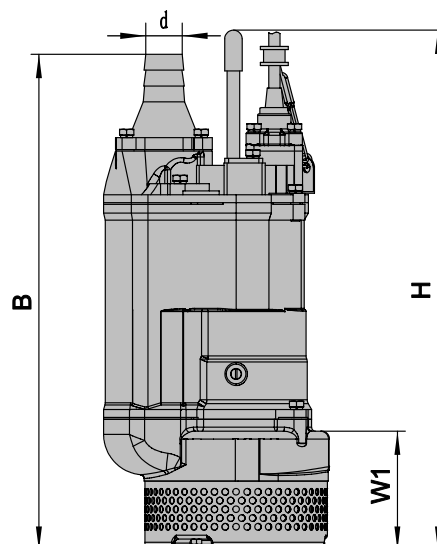
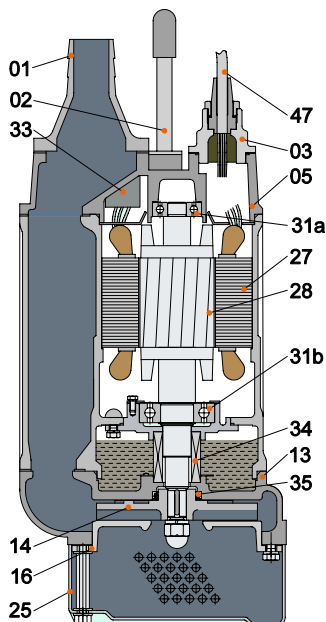
- Suitable for pumping water with sand
- The design incorporates a cooling jacket so that the pumps do not have to be completely submerged
- Top quality materials
- Pumping of medium up to 3 mm (25 KBFU 0.45)
- Threaded discharge port for easy connection of the discharge hose with a hose clamp or quick coupling
- Float switch for pump control and protection against dry running
- (50 KBFU 0.45)
- 8 m power cable with plug
- Thermal protection built into the motor winding
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 35°C
- Maximum ambient temperature: 40°C
- Power supply: 230 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10 m
- Working position: vertical
- Motor speed: 2850 RPM

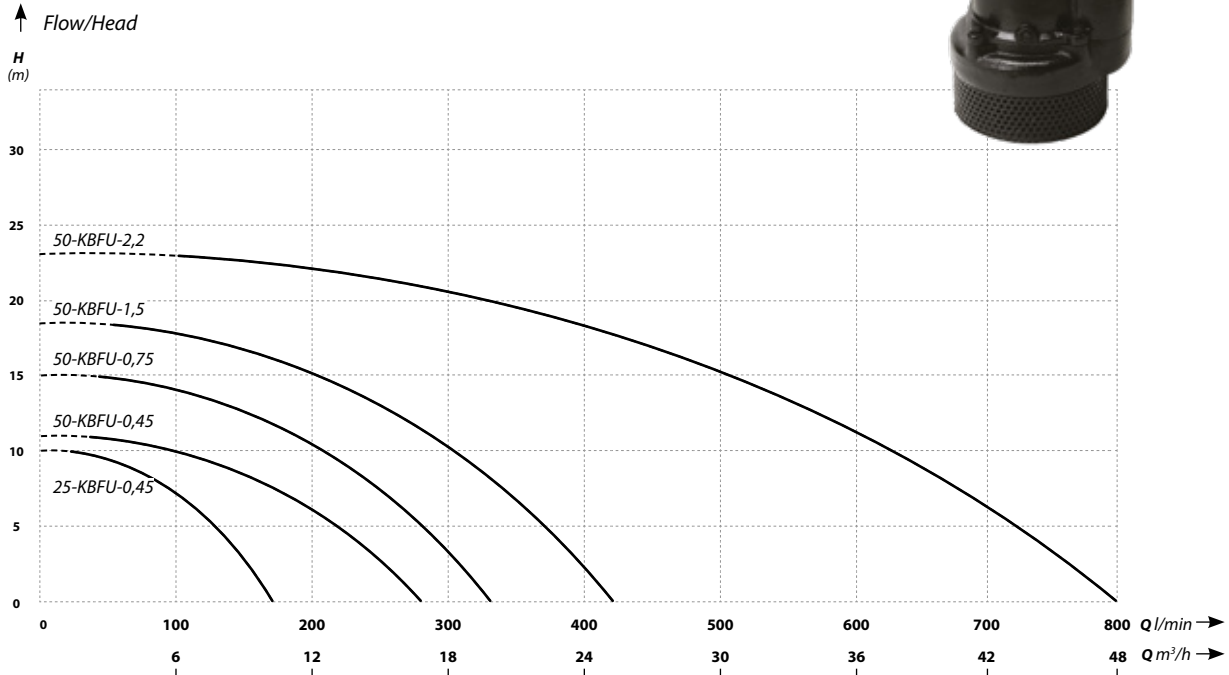
Materials:

- Motor housing: grey cast iron alloy
- Impeller: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron with heavy wear coating / chromium alloy
- Mechanical gland: ≤ 2.2 kW: Sic-Sic /
- Carbon-Sic; ≥ 3.7 kW: Sic-Sic / Sic-Sic
- Bearings: NSK



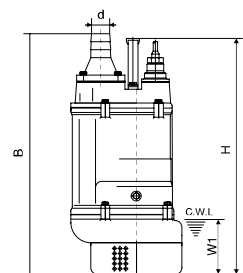
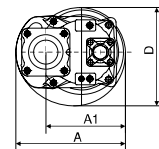


KBFU 230 V



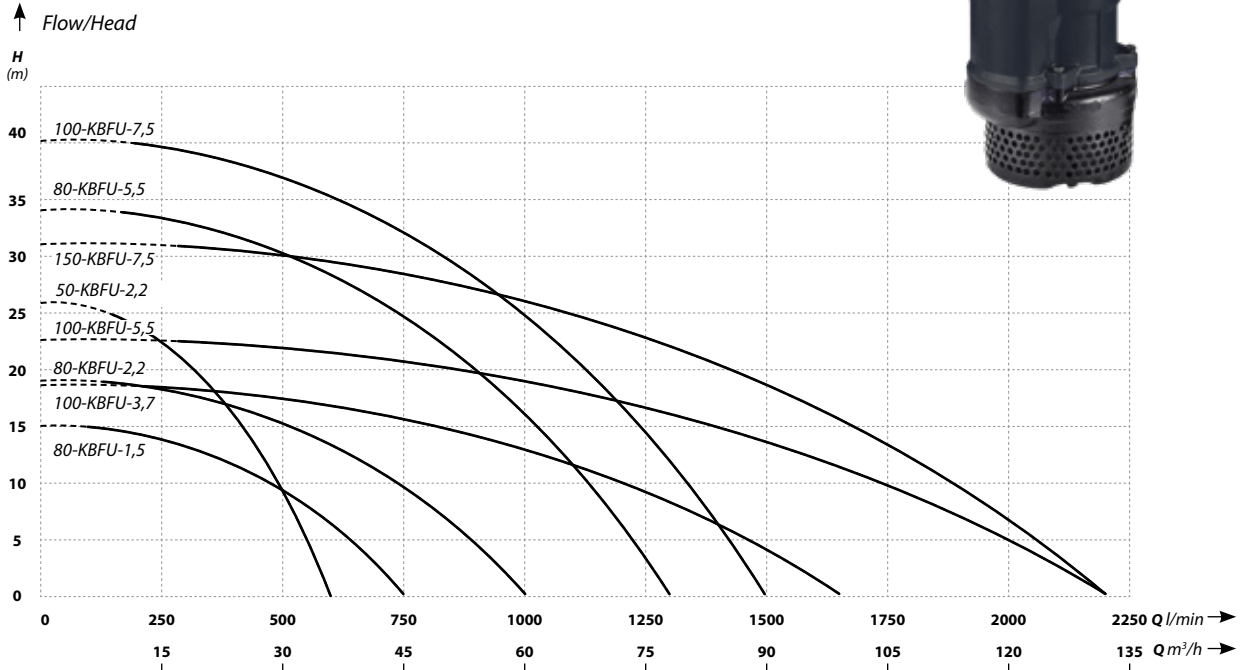
Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
25-KBFU-0,45	10	170	0,45	230	2,3	1	11,8
50-KBFU-0,45	11	280	0,45	230	2,3	2	12
50-KBFU-0,75	15	330	0,75	230	5,8	2	39
50-KBFU-1,5	18,5	420	1,5	230	11,4	2	44
50-KBFU-2,2	23	800	2,2	230	14	2	46

Name	Dimensions (mm)						
	d	A	A1	B	D	H	W1
25-KBFU-0,45	25	230	173	340	220	340	60
50-KBFU-0,45	50	230	173	360	220	340	60
50-KBFU-0,75	50	273	225	508	220	488	150
50-KBFU-1,5	50	273	225	533	220	513	150
50-KBFU-2,2	50	273	225	558	220	538	150



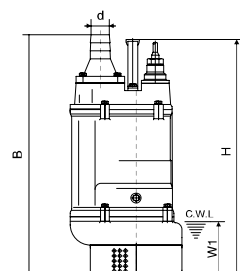
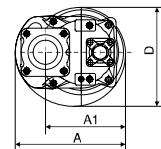


KBFU 400V



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
80-KBFU-1,5	15	750	1,5	400	3,5	3	37
50-KBFU-2,2	26	600	2,2	400	5,0	2	39
80-KBFU-2,2	19	1000	2,2	400	5,0	3	39
100-KBFU-3,7	18,5	1650	3,7	400	7,7	4	63
80-KBFU-5,5	34	1300	5,5	400	11,4	3	77
100-KBFU-5,5	23	2200	5,5	400	11,4	4	77
100-KBFU-7,5	40	1500	7,5	400	15	4	106
150-KBFU-7,5	31	2200	7,5	400	15	6	108

Name	Dimensions (mm)						
	d	A	A1	B	D	H	W1
80-KBFU-1,5	80	235	173	535	216	505	120
50-KBFU-2,2	50	235	173	535	216	505	120
80-KBFU-2,2	80	235	173	535	216	505	120
100-KBFU-3,7	100	283	208	642	252	629	150
80-KBFU-5,5	80	283	208	671	252	590	150
100-KBFU-5,5	100	283	208	686	252	590	150
100-KBFU-7,5	100	330	240	764	314	676	190
150-KBFU-7,5	150	330	240	790	314	676	190





80-KBFU-4,0-4P

KBFU-4P series submersible pumps are designed for heavier dewatering work in mines, quarries and construction. Characterised by a durable and robust design, the 4P series pump motors feature 4 poles, effecting in significant extension of the life of the equipment in relation to its 2-pole counterparts. In addition, the rotor and the external agitator are made of chrome alloy, enabling operation under severe conditions. Thanks to the casing in the form of a cooling jacket, they can operate only partially submerged. The pumps are used for draining flooded areas, pumping raw sewage, dewatering construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Mines and quarries. Where there is a risk of bentonite or a significant sand content in the pumped water



Features:

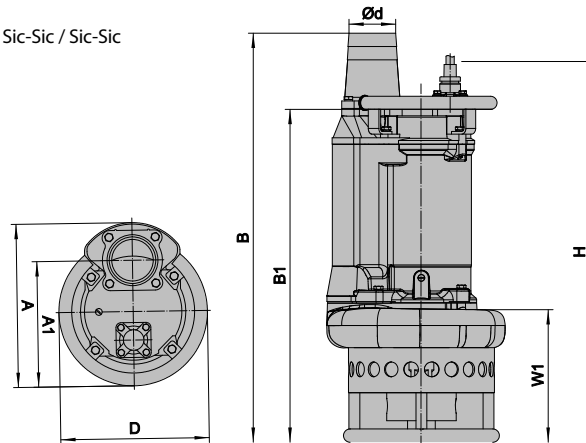
- Suitable for pumping water with sand
- Top quality materials
- Double thermal protection embedded in the motor winding
- 24 months warranty
- Warranty and aftermarket service

Materials:

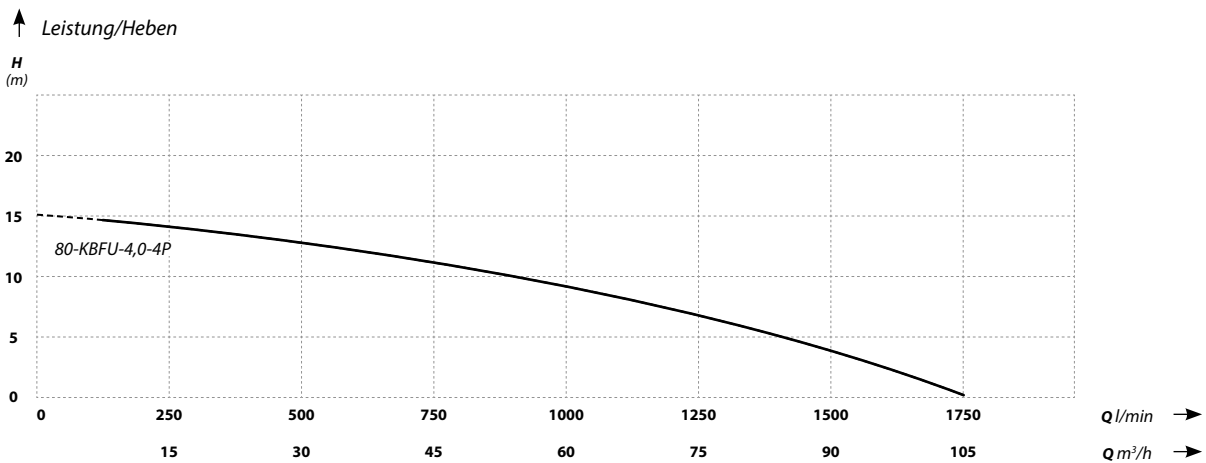
- Motor housing: grey cast iron alloy
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 420SS
- Impeller: grey cast iron/chromium alloy
- Agitator: grey cast iron/chromium alloy
- Bearings: NSK
- Mechanical gland: Sic-Sic / Sic-Sic

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 400 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 1450 RPM
- Motor type: 4-pole
- Water PH: 5-9
- Liquid density: 1200 kg/m³
- Maximum draught 7 m



Name	Dimensions (mm)						
	d	A	A1	B	D	H	W1
80-KBFU-4,0-4P	80	350	261	816	326	730	250



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)	Rational speed range (RPM)
80-KBFU-4,0-4P	15	1750	4,0	400	30	10,2	3	109	1450



7 IBX

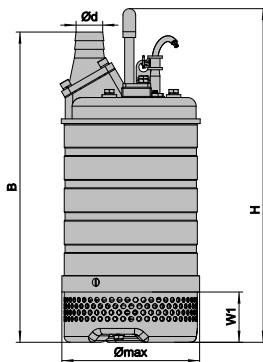
IBX series submersible pumps are designed for pumping water contaminated by abrasive materials such as sand and silt, while maintaining a compact design. Mainly used in single-family construction for trench dewatering. Thanks to the casing in the form of a cooling jacket they can operate only partially submerged. A double mechanical gland resistant to high pressure is used to ensure guaranteed tightness.

Semi-open impeller made of high chromium alloy with wear plate (ductile iron) provides excellent durability. The pumps feature thermal protection installed in the winding.

For draining flooded rooms, houses, garages or apartments. Watering. Drainage of construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Anywhere where there is a risk of significant sand and sludge content in the pumped water.



Name	Dimensions (mm)			
	d	B	H	W1
50-IBX-1,5	50	590	613	87
80-IBX-1,5	80	597	613	87



Features:

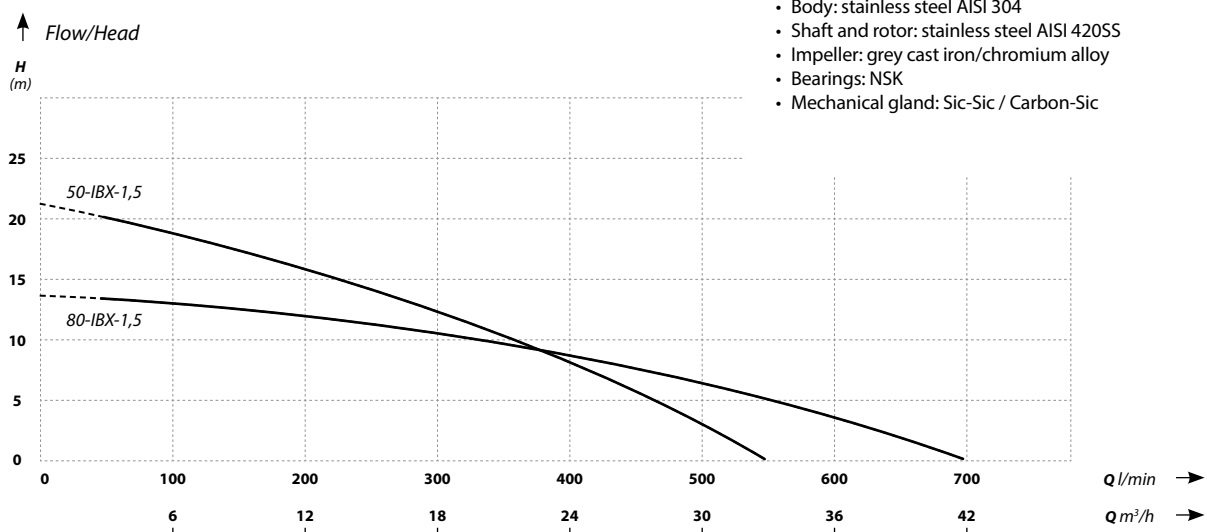
- Suitable for pumping water with sand
- Top quality materials
- Double thermal protection embedded in the motor winding
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40
- Maximum ambient temperature: 40°C
- Power supply: 400 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 2850 RPM
- Motor type: 4-pole
- Water PH: 5-9
- Liquid density: 1200 kg/m³
- Maximum draught 7 m

Materials:

- Motor housing: stainless steel AISI 304
- Body: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 420SS
- Impeller: grey cast iron/chromium alloy
- Bearings: NSK
- Mechanical gland: Sic-Sic / Carbon-Sic



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
50-IBX-1,5	21	560	1,5	230	8	10	2	37
80-IBX-1,5	14	700	1,5	230	8	10	3	37

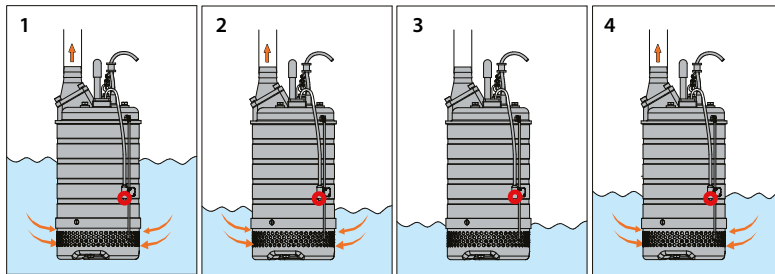


IBX-AUTO

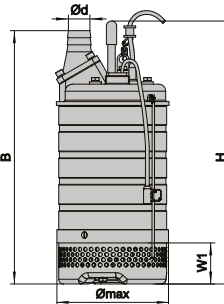
IBX series submersible pumps are designed for pumping water contaminated by abrasive materials such as sand and silt, while maintaining a compact design. Mainly used in single-family construction for trench dewatering. Thanks to the casing in the form of a cooling jacket they can operate only partially submerged. Unlike the KBFU series, the pumps feature a control unit that acts as a safety device.

A double mechanical gland resistant to high pressure is used to ensure guaranteed tightness. Semi-open impeller made of high-chromium alloy with wear plate (ductile iron), provides excellent durability. The pumps feature thermal protection installed in the winding.

For draining flooded rooms, houses, garages or apartments. Watering. Drainage of construction sites. Pumping rainwater and surface water from ponds, lakes and rivers. Civil engineering. Anywhere where there is a risk of significant sand and sludge content in the pumped water.



Name	Dimensions (mm)				
	d	B	H	W1	Ø maks.
50-IBX-2,2-CFA	50	590	613	87	260
80-IBX-3,7-CFA	80	641	565	87	320



Features:

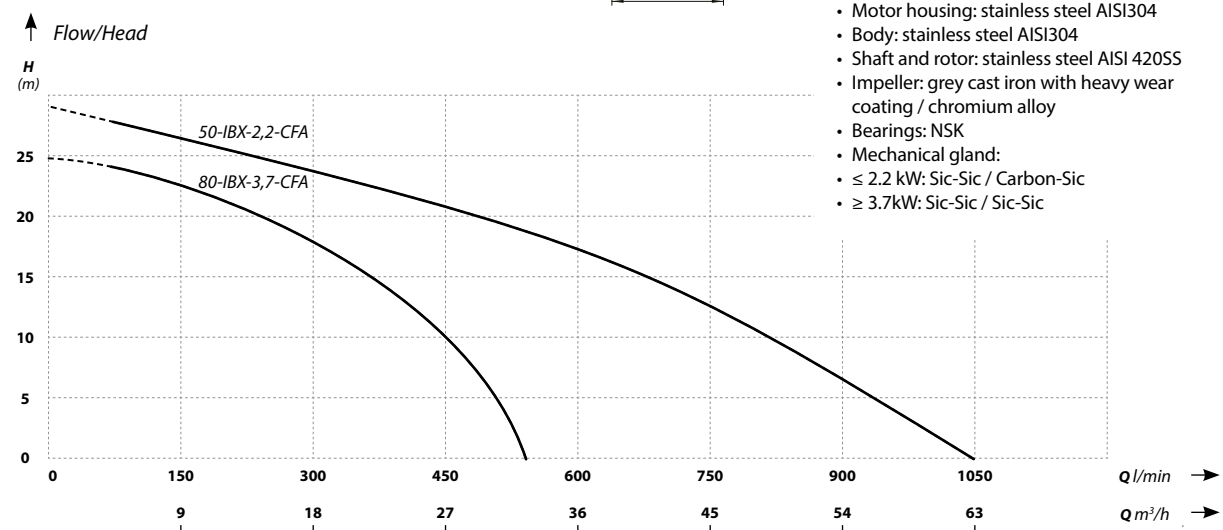
- Suitable for pumping water with sand
- Top quality materials
- Double thermal protection embedded in the motor winding
- 24 months warranty
- Warranty and aftermarket service

Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Power supply: 400 V
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Length of power cable: 10m
- Motor speed: 2850 RPM
- Motor type: 4-pole
- Water PH: 5-9
- Liquid density: 1200 kg/m³
- Maximum draught 7 m

Materials:

- Motor housing: stainless steel AISI304
- Body: stainless steel AISI304
- Shaft and rotor: stainless steel AISI 420SS
- Impeller: grey cast iron with heavy wear coating / chromium alloy
- Bearings: NSK
- Mechanical gland:
 - ≤ 2.2 kW: Sic-Sic / Carbon-Sic
 - ≥ 3.7kW: Sic-Sic / Sic-Sic



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
50-IBX-2,2-CFA	25	550	2,2	400	8	5,1	2	42
80-IBX-3,7-CFA	29	1050	3,7	400	8	7,7	3	60

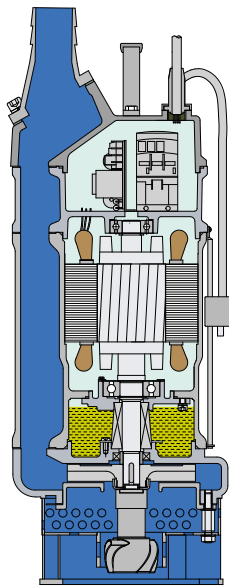


KBFU-AUTO

Submersible pumps of the KBFU-AUTO series are designed for professional dewatering works, based on the KBFU series. Mainly used in the construction industry for drainage of excavations. In contrast to the KBFU series, the pumps are equipped with a control unit and an external agitator to increase the life of the pumps in more severe conditions. The pumps are characterised by their durable and robust construction. Thanks to the automatic control, the pumps require virtually no manual operation and additionally have a number of safety features. Thanks to the cooling jacket enclosure they can operate only partially submerged. A double mechanical gland is used to ensure guaranteed tightness. The pumps are used for the drainage of flooded rooms, garages and premises. Pumping of rainwater and surface water from ponds, lakes and rivers. Civil engineering. Mines and quarries. Wherever there is a risk of bentonite or significant sand and sludge content in the pumped water.

Features:

- Suitable for pumping water with sand
- Top quality materials
- Thermal protection built into the motor winding
- Warranty 24 months
- Warranty and post-warranty service



Operating conditions:

- Maximum liquid temperature: 40°C
- Maximum ambient temperature: 40°C
- Thermal protection: 230 V - yes / 400 V no
- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Power supply cable length: 8 m
- Motor speed: 2850 RMP
- Liquid density: 1200 kg/m³
- Maximum submersion 7 m

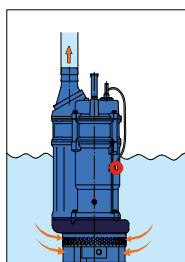
Materials:

- Motor housing: alloy/grey cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron with heavy wear coating/chromium alloy
- Bearings: NSK
- Mechanical gland:
 - ≤ 2.2 kW: Sic-Sic / Carbon-Sic
 - ≥ 3.7 kW: Sic-Sic / Sic-Sic

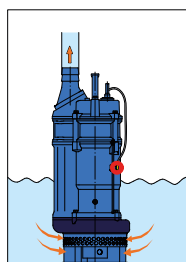
Control module - functions:

- Phase reversal protection to ensure correct rotation of the rotor;
- Automatic pump stop in the event of overload (e.g. by blocked rotor) and incorrect voltage: after an emergency stop of the pump, a starting test is carried out within 5 minutes.
- Overheating protection: if the temperature is too high, the pump switches off and automatically restarts after cooling down.
- Adjustable fluid sensor level.

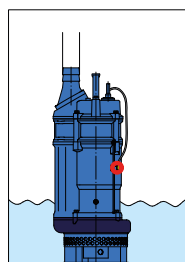
Automatic control



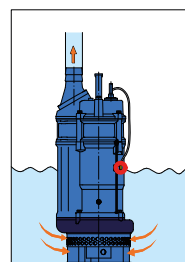
The pump runs as long as the sensor is submerged



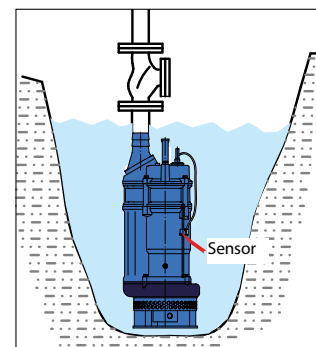
Within 1 minute of the fluid sensor being exposed, the pump will shut down



The pump remains off until the sensor is re-submerged



When the sensor is submerged, the pump will start automatically

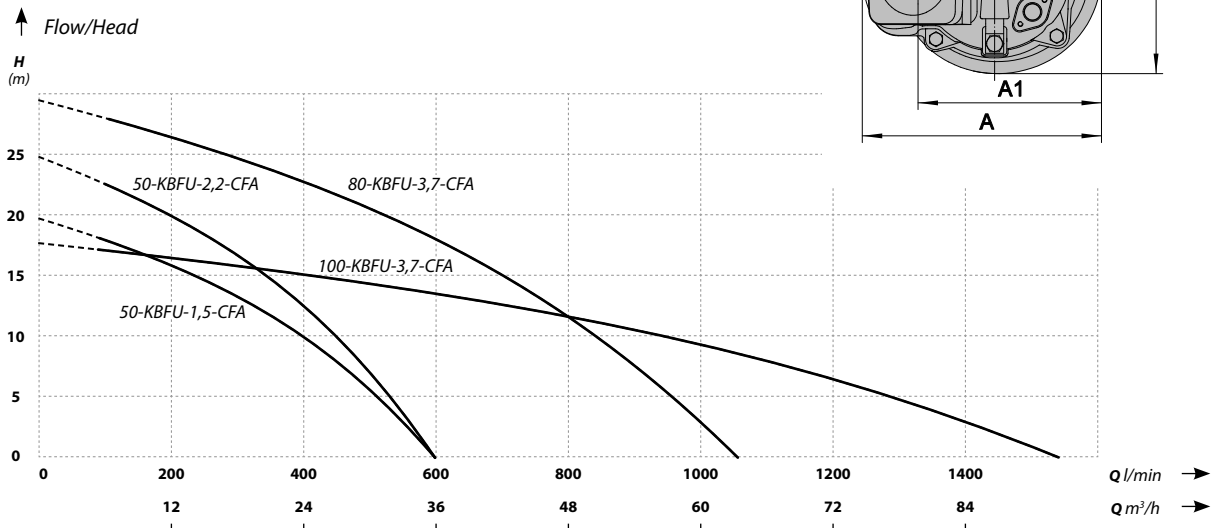
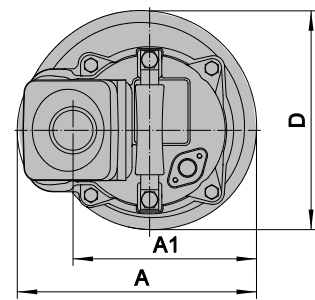
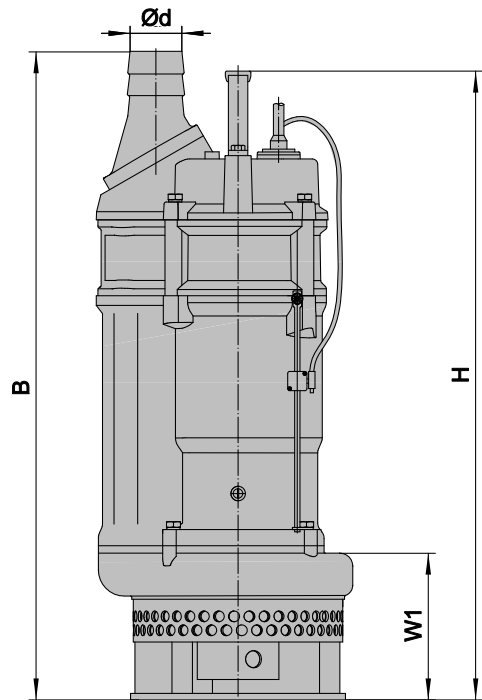


If the inflow of water is small, it is recommended to install a non-return valve (so that the pump does not start too often) and move the sensor upwards



KBFU-AUTO cd.

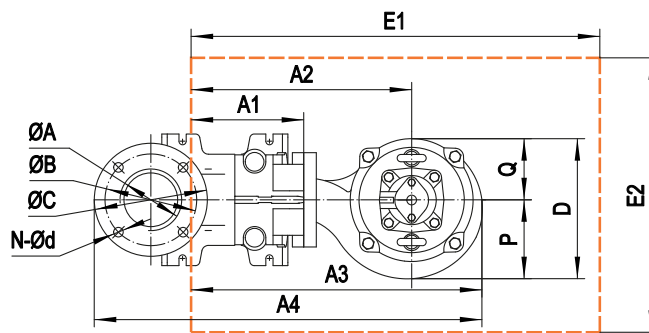
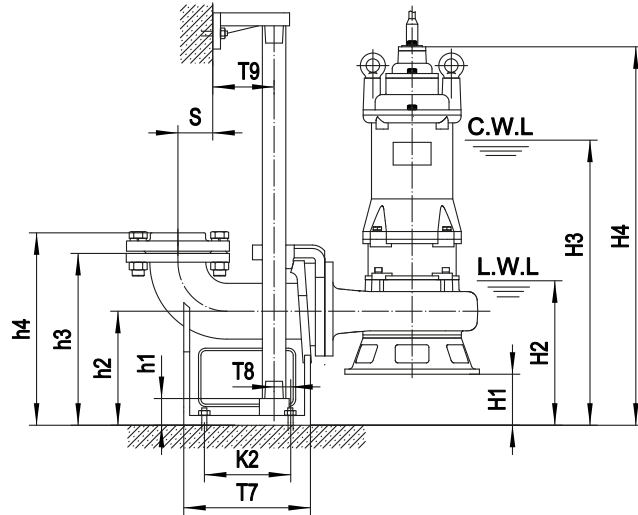
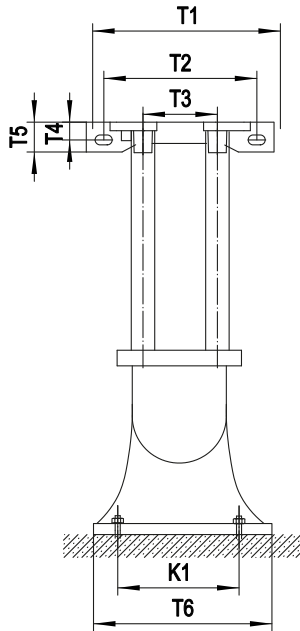
Name	Dimensions (mm)						
	d	A	A1	B	D	H	W1
50-KBFU-1,5-CFA	50	235	173	629	216	594	135
50-KBFU-2,2-CFA	50	235	173	629	216	594	135
80-KBFU-3,7-CFA	80	283	208	714	252	720	165
100-KBFU-3,7-CFA	100	283	208	739	252	720	165



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
50-KBFU-1,5-CFA	20	600	1,5	400	10	3,5	2	43
50-KBFU-2,2-CFA	25	600	2,2	400	10	5,1	2	46
80-KBFU-3,7-CFA	30	1050	3,7	400	10	8,0	3	46
100-KBFU-3,7-CFA	18	1550	3,7	400	10	8,0	4	46



KBFU-AUTO cd.



Foot coupling fits to:
65-WQ-4,0 / 80-WQ-3,0
80-VX-1,5 / 80-VX-2,2

Name	Guide rail system	H1	H2	H3	H4	A1	A2	A3	A4	P	Q	D	E1×E2	N.W.
WQ-80-3	80-80	68	235	515	695	176	329	436	608	115	100	215	650×550	50
WQ-65-4	65-65	45	205	500	695	155	333	448	619	115	115	230	650×550	58
VX-80-1,5	80-80	80	250	480	645	176	340	447	620	110	107	217	650×550	39
VX-80-2,2	80-80	80	250	500	665	176	340	447	620	110	107	217	650×550	41

Guide rail system	ØA	ØB	ØC	N-Ød	T1	T2	T3	T4	T5	T6	T7	T8	T9	K1	K2	S	h1	h2	h3	h4
50-50	Ø50 / G2"	110	140	4-Ø14	265	215	105	25	42	200	215	15	67	165	135	63	25	160	250	280
65-65	Ø65 / G2,5"	130	160	4-Ø14	280	260	125	30	50	230	235	20	70	190	155	90	25	165	265	295
80-80	Ø80 / G3"	150	190	4-Ø18	315	265	145	27	50	255	225	30	78	215	155	77	25	190	305	335
100-100	Ø100 / G4"	170	210	4-Ø18	365	305	170	32	55	295	260	35	95	265	175	100	25	230	350	380



CTR

A series of submersible pumps with cutting system designed for pumping domestic sewage. In case of flooding, they can be used for draining rooms. The robust construction of the pump made of durable cast iron, the cutting system with a cutting knife and very reasonable price have made the pumps very popular among individual customers. The pumps are equipped with a float switch for automatic operation. To ensure reliable operation, the pumps are equipped with overload protection mounted on the cable. Pump outlet provides connection of the discharge hose with a hose clamp or fast-connection.



Application:

Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

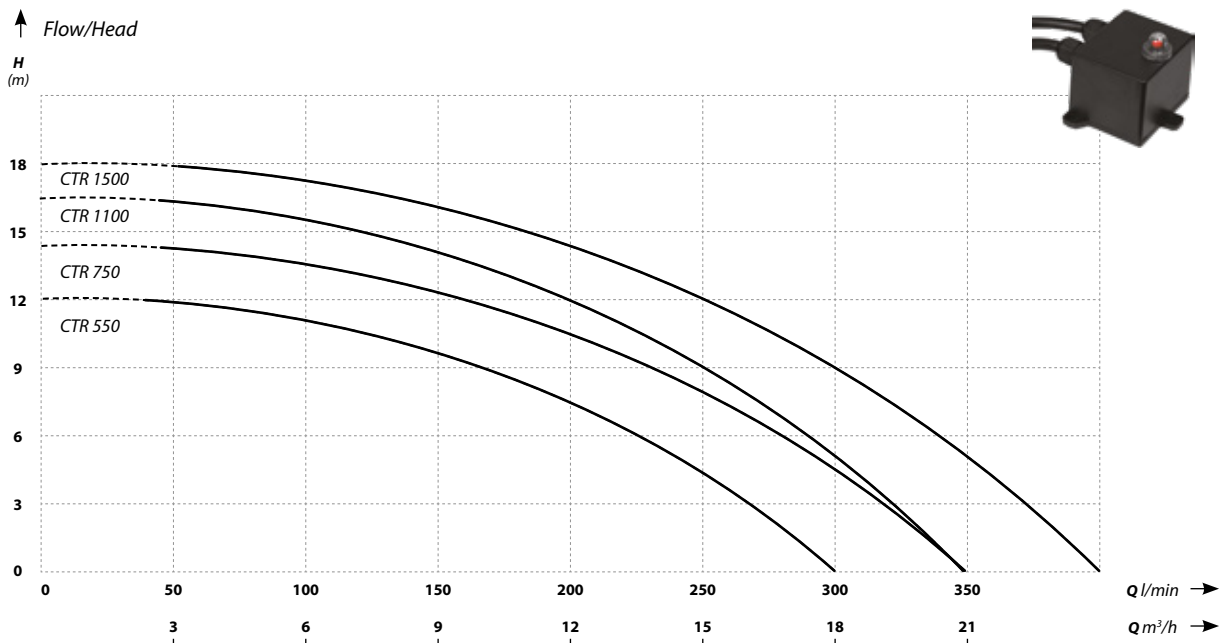
- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5 - 9
- Rotational speed of the electric motor: 2850 RPM



Cutter

Materials:

- Motor housing: grey cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Cutting knife: grey cast iron/stainless steel AISI 304
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
CTR 550	12	300	550	230	4,8	2	25/42	17
CTR 750	14	350	750	230	6,4	2	25/44	18
CTR 1100	16	350	1100	230	9	2	26/44	20
CTR 1500	18	400	1500	230	11	2	26/46	22



FURIATKA

Submersible cast iron pumps with cutting system. The pumps are designed for pumping domestic sewage and draining flooded rooms. In order to minimize the risk of clogging, the pumps are equipped with an exceptionally effective "screw" cutting system. To ensure reliable operation, the pumps have overload protection mounted on the cable. To prevent motor overloading, the protection will stop the pump. The cast iron construction makes the pumps resistant to mechanical damage and chemical corrosion. The pumps are equipped with a float switch for automatic operation control, and the pump outlet provides connection of the discharge hose with a hose clamp or fast-connection. Their robust design and exceptionally effective cutting system have made the Furiatka series one of the most popular pumps with cutting system on the market in Poland.

PUMP TEST: <https://youtu.be/25uq0YBlw78>

Application:

Pumping sewage from domestic and agricultural septic tanks, and draining flooded rooms, houses and garages. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes. Domestic sewage treatment plants.

Operating conditions:

- Maximum liquid temperature : 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-9
- Rotational speed of the electric motor: 2850 RPM

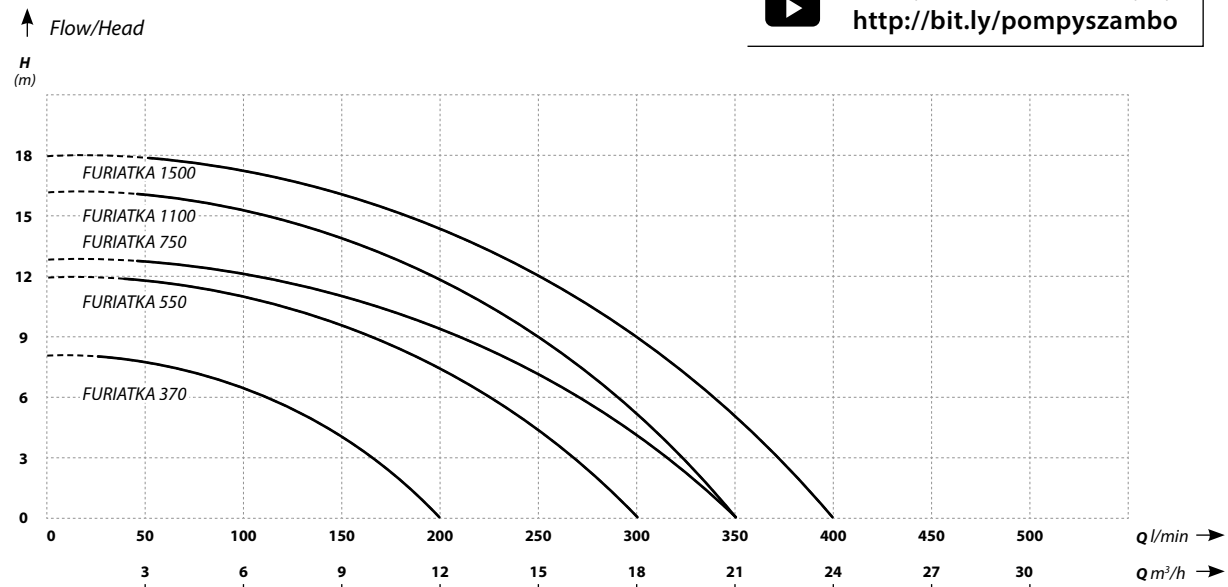


Materials:

- Motor housing: grey cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Cutting knife: grey cast iron/stainless steel AISI 304
- Mechanical seal: ceramics/graphite/NBR
- Rotational speed of the electric motor: 2850RMP
- Cable length: 10 m



See the operation and construction of the pump at:
<http://bit.ly/pompyszambo>



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
FURIATKA 370	8	200	370	230	3	1½	21/40	10
FURIATKA 550	12	300	550	230	5,5	2	25/46	19
FURIATKA 750	13	350	750	230	6,5	2	26/47	19,6
FURIATKA 1100	16	350	1100	230	10	2	25/47	22,9
FURIATKA 1500	18	400	1500	230	12	2	26/48	23,1



V

Submersible pumps with cutting system designed for pumping domestic sewage. In case of flooding, they can be used for draining rooms. Their robust design and quality materials used (stainless steel, cast iron), the cutting system with a cutting knife, and very reasonable price have made the pumps very popular among individual customers.

The pumps are equipped with a float switch for automatic operation. To ensure reliable operation, the pumps have overload protection mounted on the cable. V 550, V1500 and V2200 pumps incorporate the high efficiency "screw" cutting system. Pump outlet provides connection of the discharge hose with a hose clamp or fast-connection.

Application:

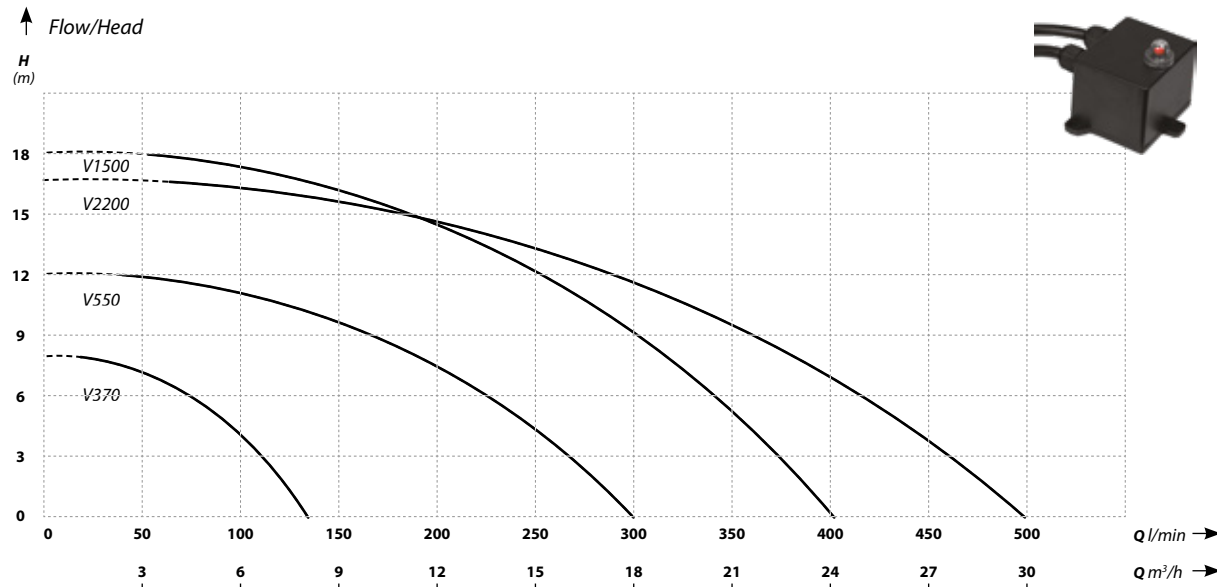
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5 - 9
- Rotational speed of the electric motor RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Cutting knife: grey cast iron/stainless steel AISI 304
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
V370	7,5	130	370	230	3,8	1¼	17/40	10,8
V550	12	300	550	230	5,7	2	25/44	17,5
V1500	18	400	1500	230	12,5	2	26/50	23
V 2200	16	500	1500	230	12	2	26/50	25,2



SWQ

Stainless steel submersible pumps with cutting system Designed for pumping dirty water and domestic sewage. The risk of clogging has been minimized due to open cutting system. The top quality stainless steel design ensures long-term and reliable operation of the pumps. The motor is equipped with thermal protection mounted in the winding. In addition, the pumps have a float switch for automatic operation control.

Application:

Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

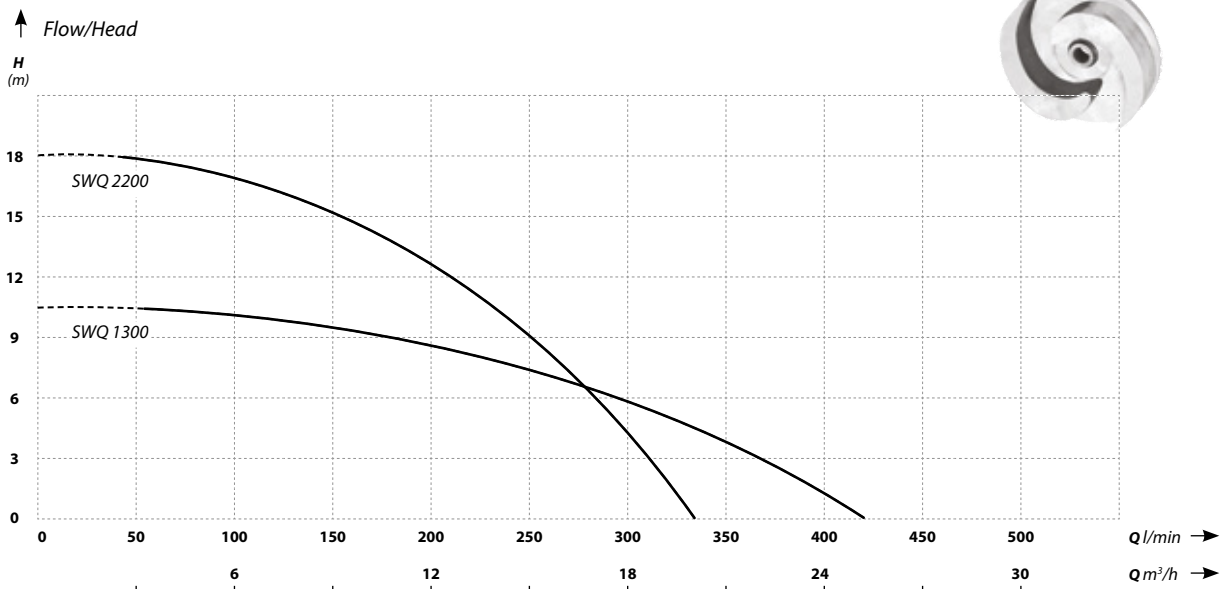
- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4 - 10
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Shaft and rotor: stainless steel AISI 304
- Impeller/cutting system: stainless steel AISI 304
- Mechanical seal: ceramics/carbon/NBR
- Cable length: 10 m



Cutter



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Impeller passage (mm)	Amperage (A)	Inlet/outlet (inch)	Dimensions (mm)		Weight (kg)
								H	B	
SWQ 1300	10	417	1300	230	25	7	2	480	250	12,5
SWQ 2200	18	333	2200	230	25	9	2	600	320	14,5



WQI

Professional submersible pump with cutting system. The pumps are designed for pumping domestic sewage and draining flooded rooms. In order to minimize the risk of clogging, the pumps are equipped with an exceptionally effective three-channel "screw" cutting system. To ensure reliable operation, the pumps have overload protection mounted in the motor winding. To prevent motor overloading, the protection will stop the pump. The construction made of cast iron, alloy and stainless steel makes the pumps resistant to mechanical damage and chemical corrosion. The pumps are equipped with a float switch for automatic operation control, and the pump outlet provides connection of the discharge hose with a hose clamp or fast-connection.

Application:

Pumping sewage from domestic and agricultural septic tanks, and draining flooded rooms, houses, garages and premises. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes. Domestic sewage treatment plants.

Operating conditions:

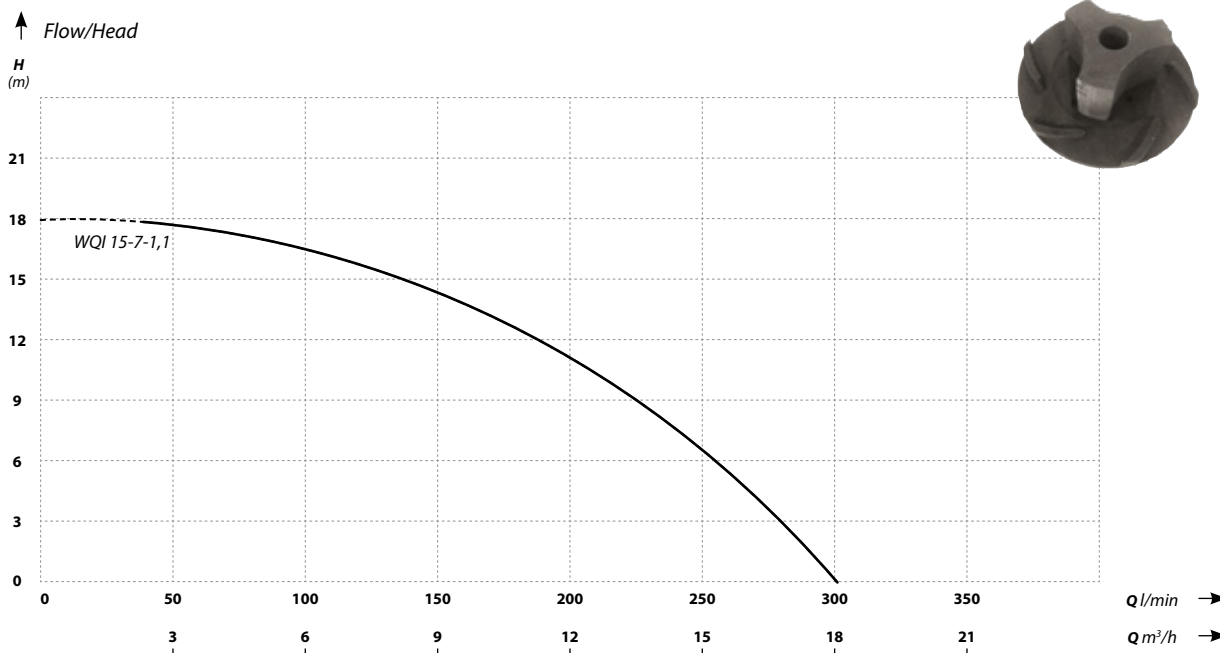
- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class B Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 5-9
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Cutting knife: grey cast iron/stainless steel AISI 304
- Mechanical seal: ceramics/graphite/NBR
- Cable length: 10 m



Cutter



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions Dia/H (cm)	Weight (kg)
WQI 15-7-1,1	18	300	1100	230	6	2	27/51	23,7



Kraken

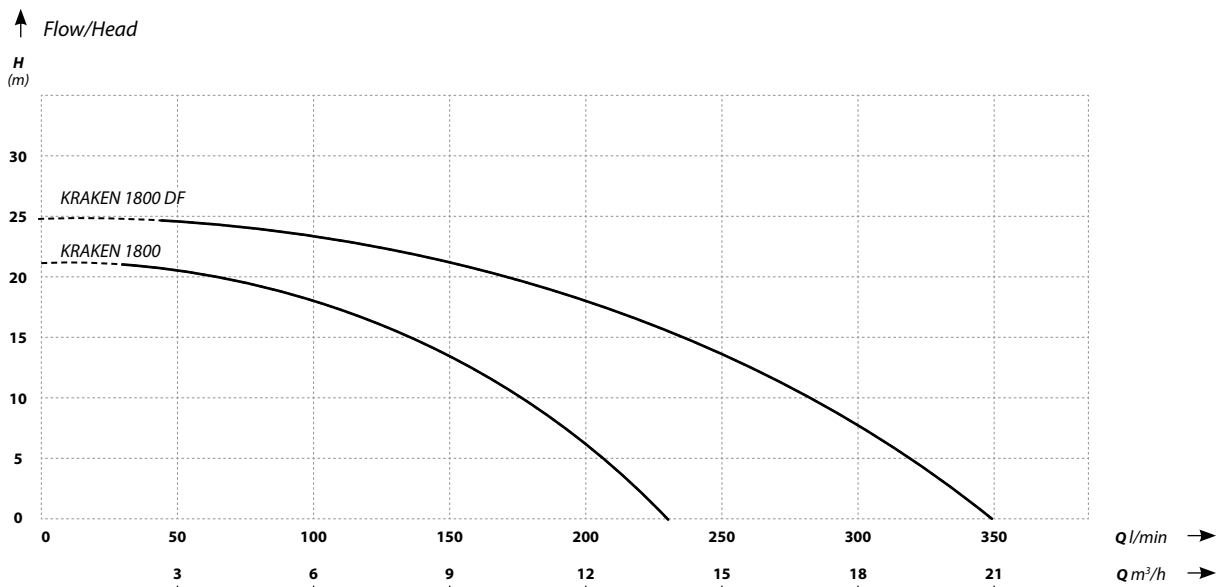
A series of professional submersible pumps with cutting system designed for customers who need a strong and reliable product in their professional work. The top quality materials used and very high performance makes KRAKEN 1800 pumps suitable for operation in harsh conditions - stainless steel and cast iron design ensures the pumps withstand the adverse sewage environment. These pumps are widely used in sewage pumping stations. Pump operation is controlled by the factory-mounted float switch. KRAKEN 1800 is equipped with a multi-channel disk cutting system in order to minimize the risk of clogging. KRAKEN 1800 DF has an exceptionally effective two-channel screw cutting system. The motors with Class F winding insulation are additionally equipped with thermal protection mounted in the winding. Both models are supplied with flanges for connecting pipes or fast-connection, and an adapter for connecting 2" discharge hose with a hose clamp. The pumps are available as single-phase 230 V ~ / 50 Hz versions, with a float switch, and 3-phase 400 V ~ 3 / 50Hz version.

KRAKEN DF can be supplied with a guide rail system for installation in pump stations. The guide rail system is sold separately.

PUMP TEST: <https://youtu.be/srPLsalksqM>

Application:

Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Sewage treatment plants. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes





Kraken 1800 cd.

Operating conditions:

- Maximum liquid temperature: 35°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4-10
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cutting knives: grey cast iron/stainless steel AISI 304
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions (cm)			Weight (kg)
							Depth	Width	Height	
KRAKEN 1800	21	233	1800	230/400	9,5/4,2	2	317	190	513	34

Kraken 1800 DF

Operating conditions:

- Maximum liquid temperature 40°C
- Maximum ambient temperature 40°C
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Ingress protection - IP68
- Water PH: 4-10
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cutting knives: grey cast iron/stainless steel AISI 304
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions (cm)			Weight (kg)
							Depth	Width	Height	
KRAKEN 1800 DF	25	350	1800	230/400	9,5/4,2	2	343	198	500	35



UP 60/80

High-pressure submersible sewage pump with cutting system

High-pressure submersible sewage pump with cutting system
 The UP60/80 pumps are equipped with a two-stage hydraulics to increase the maximum pressure. An important feature of KRAKEN 1800 is a multi-channel disk cutting system designed to minimize the risk of clogging. In addition, the outlet is threaded in order to connect a pipeline or fast connection. The pump is supplied with thermal protection mounted in the motor winding.

Application:

The pump is designed for operating in pressure sewage systems.

Operating conditions:

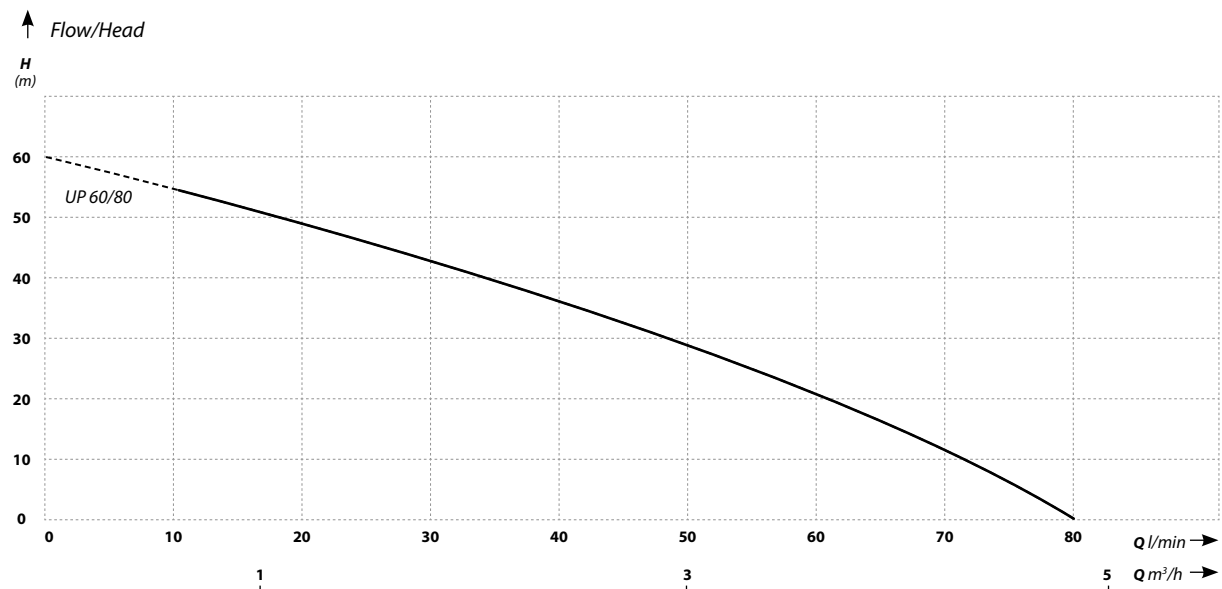
- Maximum liquid temperature 50°C (60)
- Maximum ambient temperature 40°C
- Power: 230 V / 400 V
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Maximum liquid temperature: - IP68
- Water PH: 4-10
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor: 2850 RPM

Materials:

- Motor housing: stainless steel AISI 304
- Body: ASTM cast iron
- Shaft and rotor: stainless steel AISI 420
- Impeller: Stainless steel AISI 440
- Mechanical seal: SiC-SiC
- Cutting knives: Stainless steel AISI 440
- Cable length: 10 m



Cutter



Name	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Dimensions (mm)		Weight (kg)
							Height	Base	
UP 60/80	60	80	1500	230	12	1¼	550	250	31,5



ZWQ

A series of professional submersible pumps with cutting system, designed for customers who need a strong and reliable product in their professional work. The top quality materials used and very high performance makes ZWQ pumps suitable for operation in harsh conditions. These pumps are widely used in sewage pumping stations. Single-phase pumps have a float switch for operation control. All pumps are equipped with a three-channel cutting system integrated with the impeller in order to minimize the risk of clogging. All ZWQ pumps are suitable for installation with a guide rail system. The motors have Class F winding insulation and single-phase versions are additionally equipped with thermal protection mounted in the winding. Flanges for connecting pipes or fast-connection. The pumps are available as single-phase 230 V ~ / 50 Hz versions with a float switch, and 3-phase 400 V ~ 3 / 50 Hz version. The pumps have bearings manufactured by NSK in Japan.

The pumps can be supplied with guide rail systems for installation in pump stations. The guide rail system is sold separately.

Application:

Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Sewage treatment plants. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes.

Operating conditions:

- Maximum liquid temperature: 35°C
- Maximum ambient temperature: 40°C
- Power: 230 V / 400 V
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Maximum liquid temperature: - IP68
- Water PH: 4-10
- Rotational speed of the electric motor: 2850 RPM



Zobacz działanie i budowę pompy na:
<http://bit.ly/pompazwq>

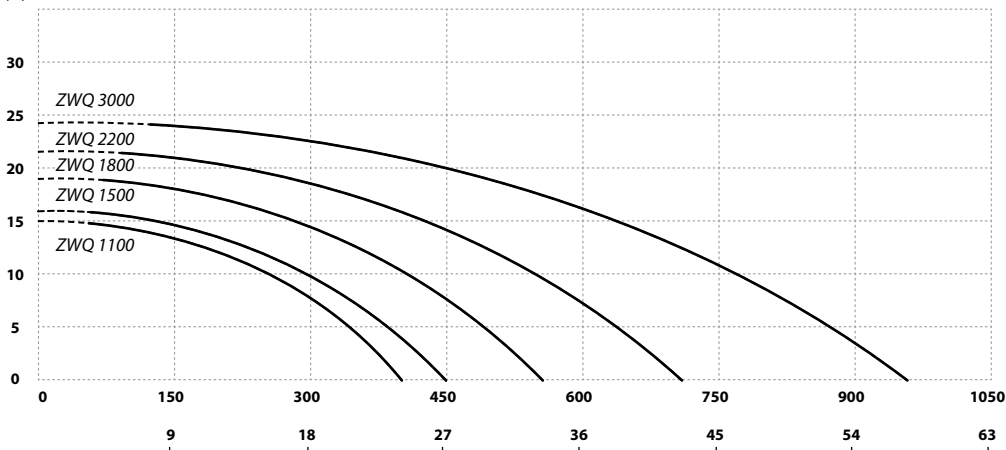


Materials:

- Motor housing: cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: grey cast iron
- Mechanical seal: ceramics/graphite/NBR
- Cutting knives: grey cast iron/stainless steel AISI 304
- Cable length: 10 m

↑ Flow/Head

H
(m)



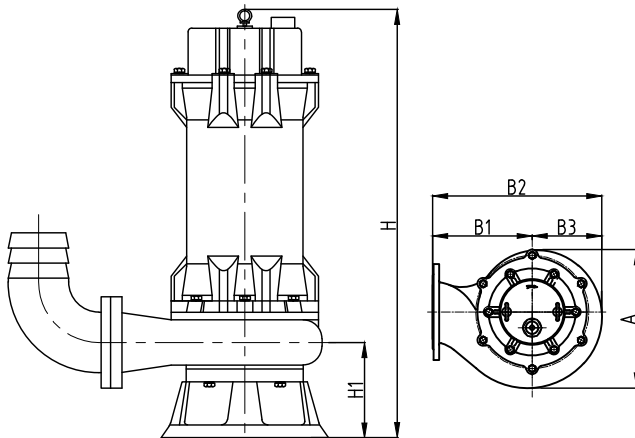
Q l/min →
Q m³/h →

Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
ZWQ 1100	15	400	1,1	230	6,5	2	23
ZWQ 1500	16	450	1,5	230/400	8,5/3,8	2	26
ZWQ 1800	18	550	1,8	230/400	8,6/3,9	2½	27
ZWQ 2200	22	700	2,2	400	4,5	2½	38
ZWQ 3000	24	950	3,0	400	6,3	3	49



ZWQ cd.

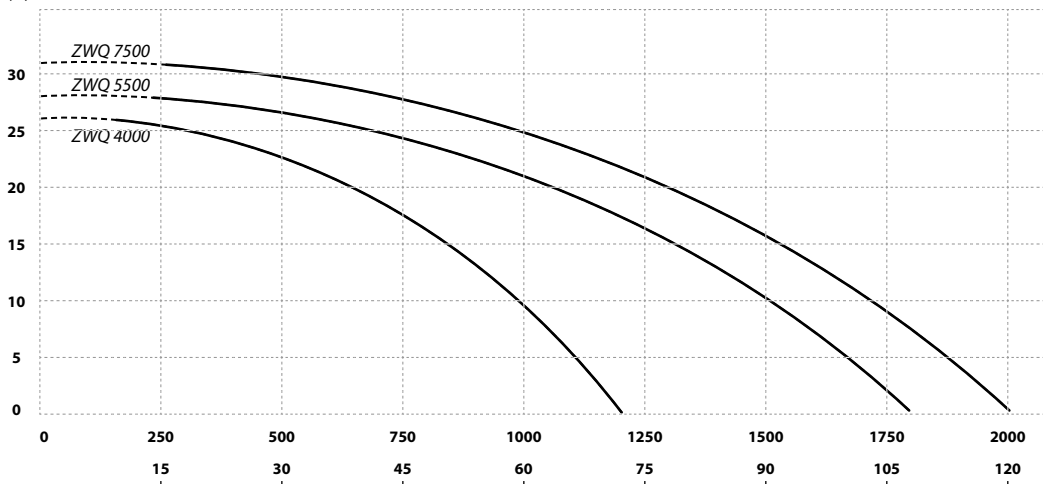
Name	Dimensions (mm)						
	A	B	C	D	E	F	G
ZWQ 1500	50	250	568	240	117	110	15
ZWQ 1800	65	250	568	240	117	110	15
ZWQ 2200	65	295	585	265	127	130	15
ZWQ 3000	80	280	575	240	123	110	15
ZWQ 4000	80	315	590	265	127	130	15
ZWQ 5500	100	325	650	268	131	160	18
ZWQ 7500	100	335	660	285	137	160	18



Zobacz działanie i budowę pompy na:
<http://bit.ly/pompazwq>

↑ Flow/Head

H
(m)



Q l/min →
 Q m³/h →

Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Weight (kg)
ZWQ 4000	26	1200	4,0	400	8,5	3	54
ZWQ 5500	28	1800	5,5	400	11	4	70
ZWQ 7500	31	2000	7,5	400	14,8	4	77



MWQ

Submersible sewage pumps with agitator (mixer)

A series of professional submersible pumps with mixing system, designed for customers who need a strong and reliable product in their professional work. These pumps are widely used in sewage pumping stations. MWQ pumps are designed for pumping raw sewage from pumping stations where dense sludge may be deposited. The pumps have a special additional external rotor (agitator) for mixing and splitting heavy sludge. Materials used guarantee long-term and faultless operation. Motor shaft is made of stainless steel. Motor chamber is sealed with a double SiC/ SiC mechanical seal. The pump uses a multi-channel impeller for pumping large diameter impurities. All MWQ pumps are suitable for installation with a guide rail system. The motors have Class F winding insulation and single-phase versions are additionally equipped with thermal protection mounted in the winding. The pumps have bearings manufactured by NSK in Japan. Flanges for connecting pipes or fast-connection. The pumps are available as single-phase 230V ~ / 50 Hz versions with a float switch, and 3-phase 400 V ~ 3 / 50 Hz version. The pumps can be supplied with guide rail systems for installation in pump stations. The guide rail system is sold separately.

Application:

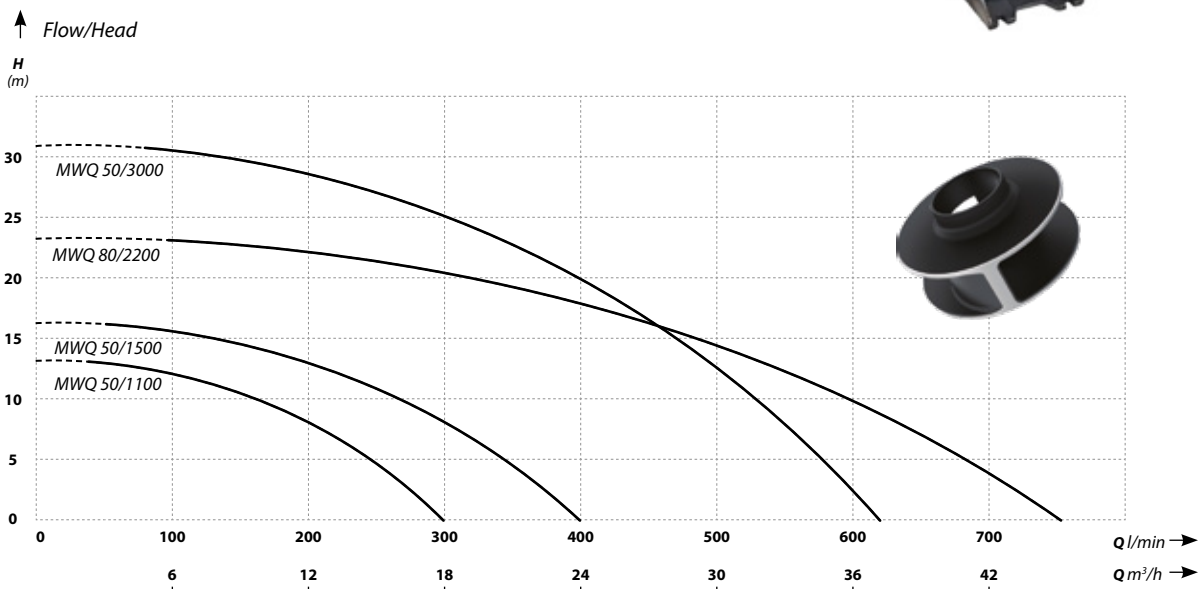
Pumping sewage from domestic septic tanks and draining flooded rooms, houses, garages and premises. Sewage treatment plants. Pumping rainwater and surface water from ponds, lakes and rivers, supplying water to waterholes

Operating conditions:

- Maximum liquid temperature 35°C
- Maximum ambient temperature 40°C
- Zasilanie: 230 V / 400 V
- Thermal protection: yes
- Class F Insulation
- Operating mode - continuous
- Maximum liquid temperature: - IP68
- Water PH: 5-10
- Liquid density: 1200 kg/m³
- Rotational speed of the electric motor:
- 2850 RPM

Materials:

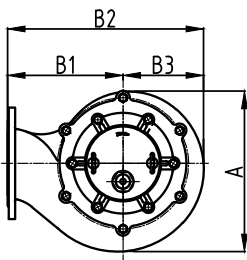
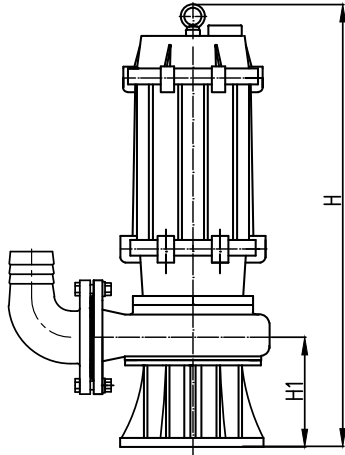
- Motor housing: grey cast iron
- Body: grey cast iron
- Shaft and rotor: stainless steel AISI 304
- Impeller: stainless steel AISI 304
- Agitator: Grey cast iron
- Bearings: NSK
- Mechanical seal: Double, ceramics/ graphite/NBR
- Cable length: 10 m



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Agitator working range (mm)	Weight (kg)
MWQ 50/1100	13	300	1,1	230/400	6,5/2,2	50	1200	23
MWQ 50/1500	16	400	1,5	230/400	7,5/2,5	50	1200	27
MWQ 80/2200	22,5	750	2,2	400	4,5	80	1600	37
MWQ 50/3000	31	620	3,0	400	6,1	50	1200	43



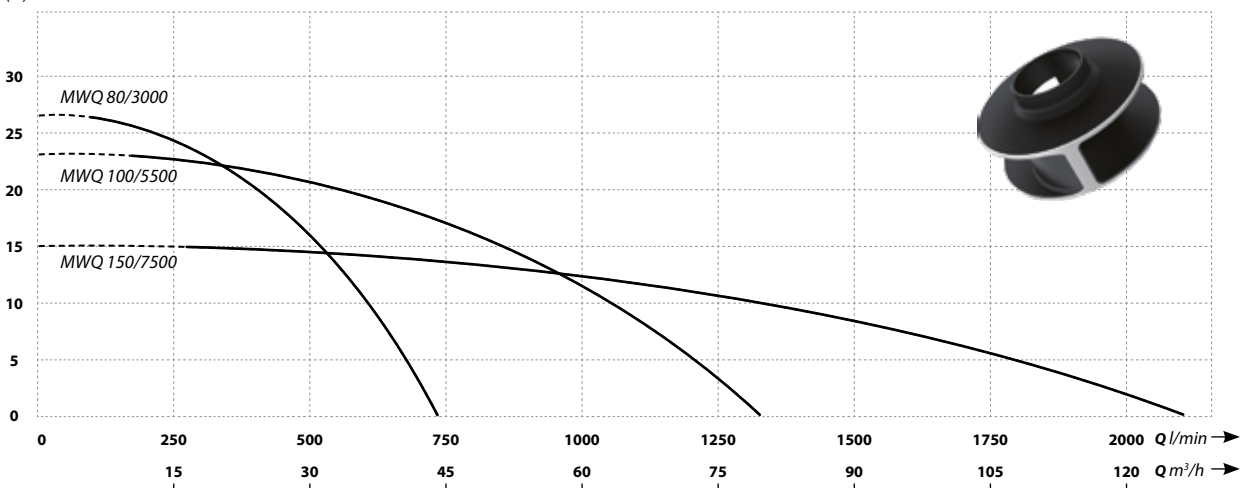
MWQ



Name	Dimensions (mm)					
	H	H1	A	B1	B2	B3
MWQ 50/1100	471	104	187	137	230	190
MWQ 50/1500	491	117	208	143	238	230
MWQ 80/2200	551/544	128	230	167	278	230
MWQ 50/3000	556/559	120	215	151	258	230
MWQ 80/3000	559/562	122	220	152	260	230
MWQ 100/5500	660	146	258	180	310	260
MWQ 150/7500	730	175	300	198	330	320

↑ Leistung/Heben

H (m)



Name	Head (m)	Flow (l/min)	Motor power (kW)	Voltage (V)	Amperage (A)	Inlet/outlet (inch)	Agitator working range (mm)	Weight (kg)
MWQ 80/3000	26,5	740	3,0	400	6,1	80	1600	43
MWQ 100/5500	23	1320	5,5	400	9,5	100	2000	73
MWQ 150/7500	15	2100	7,5	400	15,4	150	2500	105



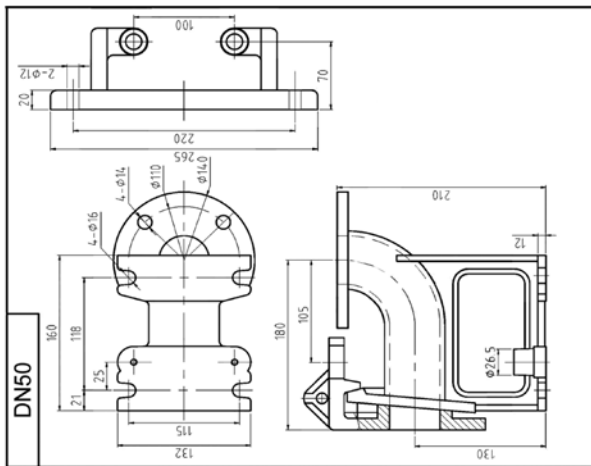
GUIDE RAIL SYSTEM

It is a device for mounting submersible pumps in sewage treatment plants on a so-called "rail". In order to mount the pump, it must be equipped with a horizontal flange. The set includes:

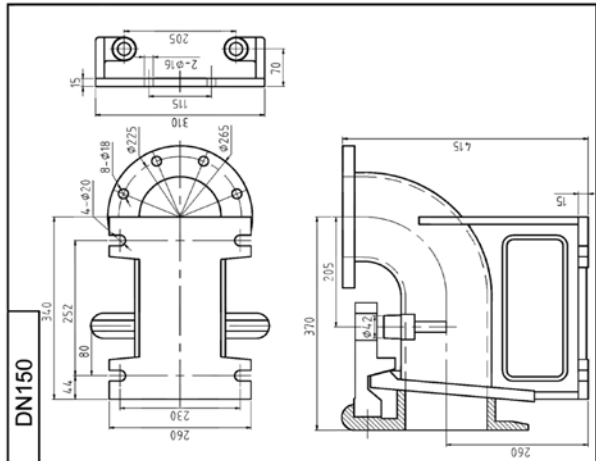
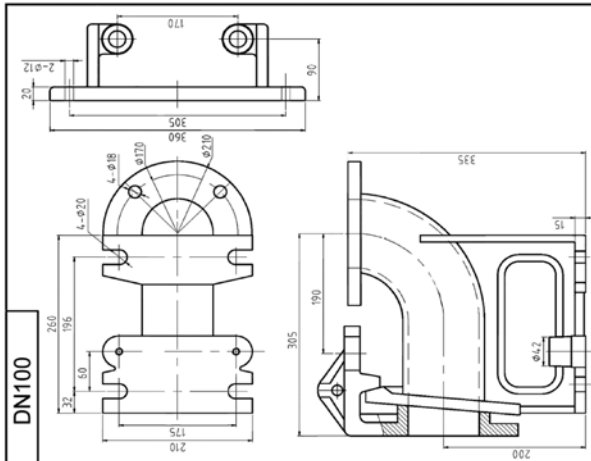
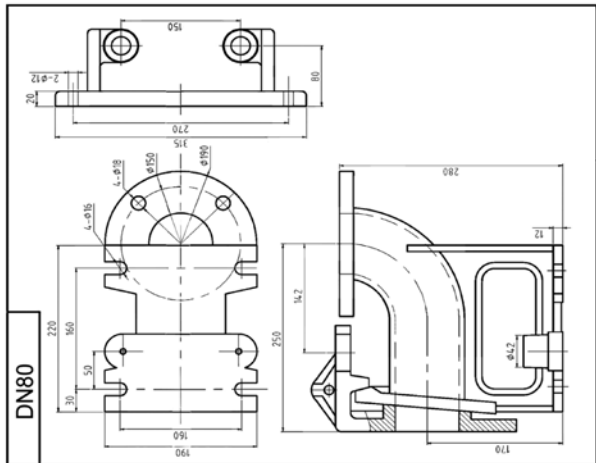
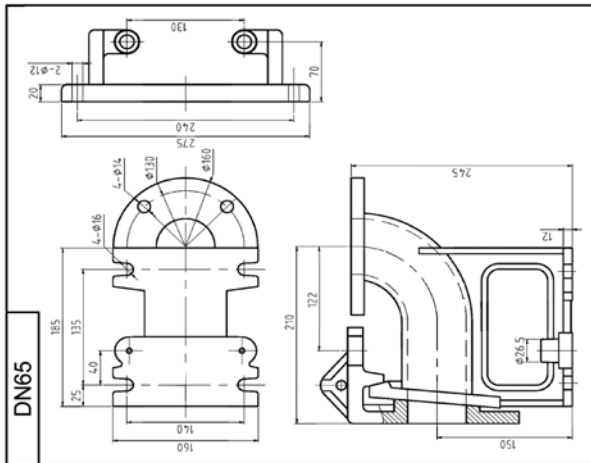
- Adapter
- Guide rail saddle
- Upper guide rail bracket

Using guide rail system connection - the lifting system allows to remove the pump without disassembling the entire pipeline. It is particularly important in case of heavy pumps, such as ZWQ or MWQ. Suitable for:

- ZWQ
- MWQ
- Kraken 1800 DF



Stopa sprzęgająca





AERAT 1

Hydrotechnical device - Aerator is mainly used in professional aeration applications for marine and freshwater aquaculture. It creates mixtures with a high percentage of dissolved oxygen and has a large area of oxygen aeration, which improves water quality on agriculture farms and supports growth. The device consists of a motor with impeller and a triangular baseplate.

Aerat 1 is designed for clean water from ponds, lakes and other bodies of water without the content of abrasive solids

Description:

- Advanced technology: a unique air intake chamber and a star-shaped impeller design provide high oxidation capacity and accurate gas and water mixing. Compared to other devices, the amount of oxygen supplied is up to 30% higher, which translates into lower farming costs.
- Many small air bubbles are created on the contact surface of the impeller and the surrounding water. A rotating impeller creates water flow extending horizontally at a certain speed and flowing upwards, stirring the water below and thus increasing the range of oxygenation. This solution eliminates a dead angle effect creating a large gas-water intersection area, which increases the oxygen dissolution.
- A large number of small air bubbles increases the contact surface of water and gas as well as the rate of oxygen dissolution, and as a result, water is more effectively saturated with dissolved oxygen and many harmful substances are removed. Improving water quality directly affects the health of cultured organisms and accelerates the growth rate.
- The equipment is compact, flexible, easy to install and use, which saves installation time and costs.



Model	Voltage (V)	Motor power (kW)	Napowietrznie (m ³ /h)	Natlenianie (kg (O ₂) / h)	Maks. temperatura (OC)	Głębokość zanurzenia (m)	Obszar aktywnego działania (m ²)
AERAT 1	400	1,5	10-320	2,5	35	3-5	2000-4000