

Product Portfolio 2023

Pumps | Automation



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HGM	61	RWCP / RWCN	38		
HGM-S	61				
HPH	34	Sewabloc	50		

Our goal: Quality down to the smallest detail

At KSB, customer satisfaction, safety and reliability take top priority when it comes to quality assurance. Besides ensuring compliance with international quality standards, all KSB pumps and valves have to fulfil even higher internal quality standards.

Our integrated quality management system includes a detailed evaluation process for our production sites and suppliers worldwide. As a KSB customer, you can therefore rest assured that no matter where or when you order, you will always experience consistently high quality. Thanks to our continuous improvement process, we produce pumps and valves with a long service life, excellent efficiency and low wear – as guaranteed by our internal certification system and the “Made by KSB” quality seal.

How KSB puts quality into daily practice

- Quality is when our customers are satisfied: We focus all of our efforts on our customers. Our global customer satisfaction analysis shows us how well we’re doing.
- Quality is what every employee delivers: Everyone at KSB plays a part in creating a positive customer experience. To ensure the best results, all employees undergo continuous professional development.
- Quality is how processes interlock: We continuously check and improve work processes and the working environment.
- Quality is what our supply chain contributes: We set our quality targets in cooperation with our partners. This helps us raise quality across the entire supply chain to the highest level.
- Quality is how mistakes are dealt with: If we detect quality deviations, we determine the causes in order to eliminate them permanently.



As a signatory to the United Nations Global Compact, KSB is committed to the ten principles of the international community in the areas of human rights, labour standards, environmental protection and anti-corruption.



Acting responsibly – producing sustainably

From energy-efficient products to resource-efficient production, we protect the environment with a wide range of measures while also helping our customers to reduce their CO₂ emissions.



We aim to minimise our impact on the environment and to reduce our energy consumption and carbon dioxide emissions to a minimum when manufacturing our pumps and valves. At the same time, KSB's products make a direct contribution towards protecting the environment, for example by saving energy.

Sustainability has two aspects: protecting the environment during the production of our products, and the ecological footprint of our products and services during their life cycle. At KSB, we attach great importance to both.

In order to lessen the environmental impact of our manufacturing, we ensure that our production processes minimise energy and material consumption. We take ecological aspects into account right from the beginning of every new development and comply with international standards to measure and continuously improve our environmental performance. Our sustainability principles are binding for all Group locations and companies. All KSB factories are certified to the ISO 14001 environmental standard.

Our products are increasingly produced using recyclable materials, making it easy for our pumps and valves to be recycled in an environmentally conscious way.

When in operation, our energy-efficient products help save large amounts of electricity and thus greenhouse gases. This makes them attractive to our customers from both an environmental and a financial point of view – especially as around 30 percent of the electricity consumed by industry is still related to the use of pumps.

There is also high potential for savings by combining pumps and valves with digital components. For example, variable speed water pumps are particularly energy-efficient and reduce annual CO₂ emissions by 850,000 tonnes in Europe alone.

As a holistic and sustainable company, we tap into our engineering skills to develop products that are particularly energy-efficient and reliable. Minimal downtime and low energy consumption are key factors for ensuring economical operation – strong reasons for choosing KSB pumps and valves. At KSB, combining economic and ecological goals is not just a goal but reality in practice.



General Information

Regional products	<p>Not all depicted products are available for sale in every country. Products only available in individual regions are indicated accordingly. Please contact your sales representative for details.</p>
Trademark rights	<p>All trademarks or company logos shown in the catalogue are protected by trademark rights owned by KSB SE & Co. KGaA and/or a KSB Group company. The absence of the "®" symbol should not be interpreted to mean that the term is not a registered trademark.</p>
Product illustrations	<p>The products illustrated as examples may include options and accessories incurring a surcharge. Subject to modifications due to technical enhancements.</p>
Product information	 <p>For information as per chemicals Regulation (EC) No. 1907/2006 (REACH), see https://www.ksb.com/en-global/company/corporate-responsibility/reach.</p>
Digital product catalogue	 <p>https://www.ksb.com/en-gb/global-search</p>
CAD portal	 <p>http://ksb.partcommunity.com</p>
BIM	 <p>https://www.ksb.com/en-gb/software-and-know-how/configuration-tools</p>

Pumps

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Drinking water circulators, fixed speed	CalioTherm S	28						■	
	CalioTherm Pro	28	■					■	
Drinking water circulators, variable speed	CalioTherm S Pro	28	■					■	
	Calio S Pro	28	■					■	
Heating circulators, variable speed	Calio	29	■					■	
	Calio Z	29	■					■	
	Calio Pro	29	■					■	
	Calio Pro Z	29	■					■	
	EtaLine Pro	30	■			■		■	
In-line pumps	EtaLine	30	■	■		■		■	
	EtaLine Z	30	■	■		■		■	
	EtaLine-R	30	■	■		■		■	
	ILN	31		■	■	■		■	
	ILNC	31		■	■	■		■	
	ILNR	31		■	■	■		■	
	Megaline	31	■	■	■	■		■	
	Etanorm	32	■	■	■	■	■	■	
Standardised / close-coupled pumps	Etabloc	32	■	■	■	■	■	■	
	Etachrom B	32	■	■	■	■	■	■	
	Etachrom L	32	■	■	■	■	■	■	
	Etanorm V	33	■		■	■	■	■	
	Meganorm	33	■	■	■	■	■	■	
	Megabloc	33	■	■	■	■	■	■	
	HPK-L	33		■		■	■	■	
Hot water pumps	HPH	34		■		■	■	■	
	HPK	33	■	■		■	■	■	
	RPH-HW	34		■		■	■	■	
	Etanorm SYT / RSY	34		■		■		■	
Hot water / thermal oil pumps	Etabloc SYT	34	■	■		■		■	
	EtaLine SYT	34	■	■		■		■	
	MegaCPK	35	■	■		■	■		
Standardised chemical pumps	CPKN	35	■	■		■	■		
	CPKNO	35	■	■		■	■		
	Magnochem	36	■	■		■	■		
Seal-less pumps	Magnochem 685	36	■	■		■	■		
	Magnochem-Bloc	36		■		■	■		
	Etaseco / Etaseco-I	36		■	■	■	■	■	
	Etaseco RVP	36		■	■	■	■	■	
	RPH	37				■	■		
Process pumps	RPH-LF	37				■			
	RPHb / RPHd / RPHbd	37				■	■		
	RPH-V	37				■	■		
	CHTR	37				■	■		
	CHTRa	38			■	■	■		
	CINCP / CINCN	38				■	■		
	INVCP	38			■	■	■		
	Estigia	38			■	■	■		
	RWCP / RWCN	38			■	■	■		
	WKTR	39				■			

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Domestic water supply systems with automatic control unit / swimming pool pumps	MultiEco	39		■	■			■	
	MultiEco Pro	39	■		■				
	MultiEco Top	39	■		■			■	
	Ixo N	39		■	■			■	
	Ixo-Pro	40	■		■			■	
	Filtra N	40						■	
Pressure booster systems	DeltaMacro	40	■		■	■		■	
	DeltaCompact	40	■		■			■	
	DeltaBasic	40	■		■	■		■	
	DeltaPrimo	41	■		■	■		■	
	DeltaSolo	41	■		■	■		■	
	DeltaSolo D	41	■		■	■		■	
	Hya-Solo D FL	41	■			■		■	
	Hya-Duo D FL	41	■			■		■	
	Hya-Solo D FL Compact	42	■			■		■	
	Hya-Duo D FL Compact	42	■			■		■	
	Hya-Duo D FL-R	42	■			■		■	
	Surpress Feu SFE	42	■			■		■	
	KSB Safety Boost	42	■		■	■		■	
Drainage pumps / grey water pumps	AmaDrainer 3	43		■				■	
	AmaDrainer 4/5	43		■		■		■	
	AmaDrainer 80/100	43		■				■	
	Ama-Porter F / S	43		■				■	
	Rotex	43				■		■	
	MK / MKY	44		■		■		■	
Lifting units / package pump stations	Amaclean	44			■			■	
	AmaDrainer Box Mini	44	■					■	
	AmaDrainer Box	44	■					■	
	Evamatic-Box N	44	■					■	
	MiniCompacta	45	■					■	
	Compacta	45	■			■		■	
	CK 800 Pump Station	45	■		■	■		■	
	CK 1000 Pump Station	45	■		■	■		■	
	Ama-Porter CK Pump Station	45	■		■			■	
	SRL	46			■			■	
SRA	46		■	■			■		
Submersible motor pumps	Amarex	47		■	■	■		■	
	Amarex N	47		■	■	■		■	
	Amarex KRT	47		■	■	■		■	
Submersible pumps in discharge tubes	Amacan K	47		■	■	■			
	Amacan P	47		■	■	■			
	Amacan S	48		■	■	■			
Mixers / agitators / tank cleaning units	Amamix	49			■	■			
	AmaProp	49			■	■			
	Amaline	49			■	■			
Pumps for solids-laden fluids	Sewatec	50		■	■	■			
	Sewatec SPN	50			■	■			
	Sewabloc	50		■	■	■			
	KWP	50		■	■	■	■		■
	KWP-Bloc	50		■	■	■	■		■

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Slurry pumps	WBC	51							■
	LSA	51				■	■		■
	LCC-M	51				■	■		■
	LCC-R	51				■	■		■
	TBC	51							■
	LCV	52							■
	FGD	52				■	■		■
	MHD	52							■
	LHD	52							■
	MDX	52				■			■
	ZW	53							■
	HVF	53				■			■
	DWD	53							■
	TDW	53							■
Self-priming pumps	Etaprime L	54			■	■			
	Etaprime B	54			■	■			
	EZ-B/L	54			■	■	■	■	
	AU	54			■	■			
	AU Monobloc	54			■	■			
Submersible borehole pumps	UPA C 100 EE	55		■	■	■			■
	UPA C 100 EN	55		■	■	■			■
	UPA C 150	55		■	■	■			■
	UPA 200, UPA 250	55		■	■	■			
	UPA 300, UPA 350	55		■	■	■			
	UPA 400 - UPA 1100	56		■	■	■			
	UPA D	56		■	■	■			
	UPA S 200, UPA S 250	56		■	■	■			
Vertical turbine pumps	B Pump	56			■	■	■		
High-pressure pumps	Comeo	57		■	■	■			■
	Movitec H(S)I	57		■	■	■	■	■	
	Movitec	57		■	■	■	■	■	
	Movitec VCI	57		■	■	■			
	Multitec	57		■	■	■	■	■	■
	WKL	58			■	■	■	■	
Axially split pumps	Omega	58		■	■	■	■	■	
	RDLO	58		■	■	■	■	■	
	RDLP	58		■	■				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	59		■	■	■			
	Vitacast	59		■	■	■			
	Vitacast Bloc	59		■	■	■			
	Vitaprime	59		■		■			
	Vitastage	60		■	■	■			
	Vitalobe	60		■		■			

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Pumps for power station conventional islands	CHTC / CHTD	60					■		
	HGB / HGC / HGD	60				■	■		
	HGI	61				■	■		
	HGM	61		■		■	■		
	HGM-S	61		■		■	■		
	YNK	61					■		
	LUVA	61					■		
	WKTB	62					■		
	SEZ	62			■	■	■		
	SNW	62			■	■	■		
	PNW	62			■	■	■		
	SPY	62			■	■	■		
	Pumps for nuclear power stations	RER	63					■	
RSR		63					■		
RUV		63					■		
PSR		63					■		
RHD		63					■		
LUVm		64					■		
RHM		64					■		
RVM		64					■		
RHR		64					■		
RVR		64					■		
RVT		65					■		
Pumps for desalination by reverse osmosis	RPH-RO	65			■				
	Multitec-RO	65		■	■	■			
Positive displacement pumps	RC / RCV	65				■			
Fire-fighting systems	FP Electro Diesel Set	66	■		■	■		■	
	FP Diesel Unit / FP Electro Unit	66	■		■	■		■	

Automation and drives

Design / Application	Type series	Page	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Automation and drives	KSB SuPremE	26	■	■		■	
	KSB UMA-S	26	■	■			
Control units	Controlmatic E	67	■			■	
	Controlmatic E.2	67	■			■	
	Cervomatic EDP.2	67	■			■	
	LevelControl Basic 2	67	■	■		■	
	UPA Control	67	■			■	
Variable speed systems	PumpDrive 2 / PumpDrive 2 Eco	26	■	■		■	
	PumpDrive R	26	■	■		■	
Monitoring and diagnosis	PumpMeter	27	■	■		■	
	KSB Guard	27	■	■	■	■	
	KSB Leakage Sensor	27		■			
	AmaControl	68	■	■			

Fluids handled

	AmaDrainer 3	AmaDrainer 4/5	AmaDrainer 80/100	Ama-Porter F / 5	Rotex	MK / MKY	AmaClean	AmaDrainer Box Mini	AmaDrainer Box	Evamatic-Box N	MiniCompacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	SRL	SRA	Amarex	Amarex N	Amarex KRT	B Pump	
Waste water with faeces	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Waste water without faeces	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Aggressive liquids						■					■	■										
Inorganic liquids																						
Activated sludge																			■	■	■	
Brackish water											■	■										■
Service water	■	■	■			■		■	■	■	■	■	■	■	■	■	■		■	■	■	■
Distillate																						
Slurries																						
Explosive liquids																						
Digested sludge																			■	■	■	
Solids (ore, sand, gravel, ash)																						
Flammable liquids																						
River, lake and groundwater	■	■	■	■		■													■	■	■	■
Liquefied gas																						
Food and beverages																						
Gas-containing liquids																			■	■	■	
Gas turbine fuels																						
Filtered water																					■	
Geothermal water																						
Harmful liquids																						
Toxic liquids																						
High-temperature hot water																						
Heating water																						
Highly aggressive liquids																						
Industrial service water	■	■	■			■					■	■							■	■	■	■
Condensate						■					■	■										
Corrosive liquids																				■		
Valuable liquids																						
Fuels																						
Coolants																						
Cooling lubricant																						
Cooling water																			■	■	■	
Volatile liquids																						
Fire-fighting water																						■
Solvents																						
Seawater											■	■							■	■	■	■
Oils						■																
Organic liquids																						
Pharmaceutical fluids																						
Polymerising liquids																						
Rainwater / stormwater																					■	
Cleaning agents																						
Raw sludge																			■	■	■	
Lubricants																						
Grey water	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Swimming pool water																						
Brine																					■	
Feed water																						
Dipping paints																						
Drinking water																					■	■
Thermal oil						■																
Hot water																						
Wash water																			■	■		

Fluids handled

	UPA C 100 EE UPA C 100 EN UPA C 150 UPA 200, UPA 250 UPA 300, UPA 350 UPA 400 - UPA 1100 UPA D UPA S 200, UPA S 250	Comeo Movitec H(S) Movitec Movitec VCI Multitec WKL	Omega RDLO RDLP	Vitachrom Vitacast / Vitacast Bloc Vitaprime Vitastage Vitalobe	CHTC / CHTD HGB / HGC / HGD HGI HGM HGM-S YNK LUVA WKTb
Waste water with faeces					
Waste water without faeces					
Aggressive liquids					
Inorganic liquids					
Activated sludge					
Brackish water					
Service water	■		■		
Distillate	■		■		
Slurries					
Explosive liquids					
Digested sludge					
Solids (ore, sand, gravel, ash)					
Flammable liquids					
River, lake and groundwater	■		■		
Liquefied gas					
Food and beverages				■	
Gas-containing liquids					
Gas turbine fuels					■
Filtered water					
Geothermal water					
Harmful liquids					
Toxic liquids					
High-temperature hot water		■	■		■
Heating water			■		■
Highly aggressive liquids					
Industrial service water	■	■	■		■
Condensate		■	■		■
Corrosive liquids					
Valuable liquids					
Fuels					
Coolants					
Cooling lubricant					
Cooling water	■	■	■		
Volatile liquids					
Fire-fighting water	■	■	■		
Solvents					
Seawater			■		
Oils					
Organic liquids					
Pharmaceutical fluids				■	
Polymerising liquids				■	
Rainwater / stormwater					
Cleaning agents					
Raw sludge					
Lubricants					
Grey water					
Swimming pool water					
Brine					■
Feed water					■
Dipping paints					■
Drinking water	■	■	■	■	
Thermal oil					
Hot water			■		
Wash water	■	■	■		

Applications

	CalioTherm S	CalioTherm Pro CalioTherm S Pro	Calio S Pro Calio Calio Z Calio Pro Calio Pro Z	In-line pumps Etaline Pro Etaline Etaline Z Etaline-R ILN ILNC ILNR Megaline	Standardised / close-coupled pumps Etanorm Etabloc Etachrom B Etachrom L Etanorm V Meganorm Megabloc
Aquaculture					
Spray irrigation					
Mining					
General irrigation					
Chemical industry					
Dock facilities					
Drainage					
Pressure boosting					
Sludge thickening					
Disposal					
Dewatering					
Descaling units					
District heating					
Solids transport					
Fire-fighting systems					
Geothermal energy					
Drawdown of groundwater levels					
Maintenance of groundwater levels					
Domestic water supply					
Flood control / coast protection					
Homogenisation					
Industrial recirculation systems					
Nuclear power stations					
Boiler feed applications					
Boiler recirculation					
Waste water treatment plants					
Air-conditioning systems					
Condensate transport					
Cooling circuits					
Paint shops					
Food and beverage industry					
Seawater desalination / reverse osmosis					
Mixing					
Offshore platforms					
Pulp and paper industry					
Petrochemical industry					
Pharmaceutical industry					
Pipelines and tank farms					
Refineries					
Flue gas desulphurisation					
Rainwater harvesting					
Cleaning of stormwater tanks / storage sewers					
Recirculation					
Dredging					
Shipbuilding					
Sludge disposal					
Sludge processing					
Snow-making systems					
Heavy oil and coal upgrading					
Swimming pools					
Solar thermal energy systems					
Fountains					
Keeping in suspension					
Thermal oil circulation					
Draining of pits, shafts, etc.					
Process engineering					
Heat recovery systems					
Hot-water heating systems					
Washing plants					
Water treatment					
Water extraction					
Water supply					
Sugar industry					

Drive, variable speed system and monitoring

KSB SuPremE



Number of pumps V [V]	≤ 1	Description IEC-compatible sensorless magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4 / IE5 (super/ultra premium efficiency) to IEC TS 60034-30-2:2016 for operation on a KSB PumpDrive 2, PumpDrive 2 Eco or PumpDrive R variable speed system. Suitable for connection to three-phase 380 - 480 V power supply (via PumpDrive). The motor mounting points comply with EN 50347 specifications to ensure compatibility with standardised IEC frame motor applications and full interchangeability with IE2 or IE3 standardised asynchronous motors. Envelope dimensions lie within the limits for IE2 / IE3 motors as recommended in DIN V 42673 (07-2011). The motor is controlled without rotor position sensors. The efficiency of the motor also exceeds 95 percent of nominal efficiency when the motor runs at 25 percent of its nominal power on a quadratic torque-speed curve. The motor is magnetless which means that so-called rare earths are not used in production. Drive production is thus sustainable and environmentally friendly.
	Power supply via PumpDrive / PumpDrive R only	
Applications For use with dry-installed variable speed pumps which can be driven by standardised foot-mounted and/or flange-mounted motors.		

<https://www.ksb.com/en-gb/lc/SD8C>

KSB UMA-S



Number of pumps V [V]	≤ 1	Description Permanent-magnet submersible synchronous motor, for operation on a KSB PumpDrive R variable speed system. NEMA connections and identical outside diameters ensure full interchangeability with comparable 6-inch, 8-inch or 10-inch asynchronous motors. The motor is controlled without rotor position sensors. The motor efficiency is 5 - 12 % above that of asynchronous motors. Given the design and functionality the use of permanent magnets is essential.
	3-400	
Other mains voltages on request		
Applications Exclusively for submersible borehole pumps in the range of 4 to 250 kW.		

PumpDrive 2 / PumpDrive 2 Eco



Number of pumps P [kW] V [V]	≤ 6	Description Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive is self-cooling, it can be mounted on a motor, on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller.
	55	
Frequency inverter	3-380 - 480 1 per motor	
Applications Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport		

<https://www.ksb.com/en-gb/lc/P10A>

PumpDrive R



Number of pumps P [kW] V [V]	≤ 6	Description Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive R is self-cooling, it can be mounted on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller. PumpDrive R extends the power range of PumpDrive 2 up to a rated power of 400 kW (standard) / 1400 kW (on request).
	55	
Frequency inverter	3-380 - 480 1 per motor	
Applications Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport		

<https://www.ksb.com/en-gb/lc/K01A>

PumpMeter



Number of pumps
V [V DC]

≤ 1
24

Description

Device for monitoring the operation of one pump. It is an intelligent pressure transmitter for pumps, with on-site display of measured values and operating data. It records the load profile of the pump in order to indicate any potential for optimising energy efficiency and availability. The device comprises two pressure sensors and a display unit. PumpMeter is supplied completely assembled and parameterised for the pump it is used with. It is ready for operation as soon as the M12 plug connector is plugged in.

Applications

Air-conditioning systems, cooling circuits, cooling lubricant distribution, heating systems, water treatment plants, water supply systems, water distribution systems, water transport systems, water extraction systems

<https://www.ksb.com/en-gb/lc/P28A>

KSB Guard



Sensor units
V [V AC]

≤ 40 (per gateway)
110 - 240
(gateway)

Description

The smart and comprehensive monitoring service for pumps and other rotating machinery, available 24/7 and also for non-KSB pumps. Benefit from predictive maintenance with KSB: comprehensive transparency, increased availability, enhanced operating reliability and efficient operation (of fixed-speed pumps). Important operating data such as vibrations, temperature, operating hours and load condition (of fixed-speed pumps) can be accessed via KSB Guard, anytime and from anywhere. In addition, deviations from normal operation trigger immediate notifications via the KSB Guard web portal and/or app. The experts at the KSB Monitoring Centre also provide support in analysing causes.

Applications

Monitoring dry-installed pumps as well as submersible pumps and mixers, optimising maintenance and improving system availability

<https://www.ksb.com/en-gb/lc/G01A>

KSB Leakage Sensor



Installation type
T [°C]

Stationary
≥ -30 - ≤ +350

Description

The KSB Leakage Sensor is an intelligent monitoring system for measuring and displaying mechanical seal leakage on site. It comprises a leakage measuring instrument and a display unit.

Applications

Industry (heat transfer fluid market)

 KSB Leakage Sensor

<https://www.ksb.com/en-gb/lc/L05A>

Drinking water circulators, fixed speed

CalioTherm S



Rp	1/2
Q [m³/h]	≤ 0,7
H [m]	≤ 1,4
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +65

Data for 50 Hz operation

Description

Maintenance-free high-efficiency glandless drinking water circulator, screw-ended, permanent magnet synchronous motor with multiple fixed speed levels, for use in drinking water supply systems.

Applications

Drinking water circulation systems

<https://www.ksb.com/en-gb/lc/C14B>

Drinking water circulators, variable speed

CalioTherm Pro



Rp	1 1/2 - 2
DN	40
Q [m³/h]	≤ 24
H [m]	≤ 12
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +70
n [rpm]	≤ 4500

Data for 50 Hz operation
Also available for 60 Hz

Description

Maintenance-free high-efficiency variable speed glandless drinking water circulator, screw-ended or flanged, electric motor and continuously variable differential pressure control for use in drinking water supply systems and hot water supply systems.

Applications

Drinking water supply systems, hot water supply systems and similar systems in industry and building services (e.g. cooling water recirculation)

<https://www.ksb.com/en-gb/lc/C23A>

CalioTherm S Pro



Rp	1
Q [m³/h]	≤ 3,5
H [m]	≤ 6
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +65
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Maintenance-free high-efficiency variable speed glandless drinking water circulator, screw-ended, electric motor and continuously variable differential pressure control for use in drinking water supply systems and hot water supply systems.

Applications

Hot water supply, drinking water circulation systems and similar systems in industry and building services (e.g. cooling water recirculation).

<https://www.ksb.com/en-gb/lc/C91C>

Heating circulators, variable speed

Calio S Pro



Rp	1 - 2
Q [m³/h]	≤ 3,5
H [m]	≤ 8
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +95
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Maintenance-free high-efficiency screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control.

Applications

Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/C90C>

Calio



Rp	1 1/2 - 2
DN	32 - 100
Q [m³/h]	≤ 51
H [m]	≤ 18
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110
n [rpm]	≤ 4500

Data for 50 Hz operation
Also available for 60 Hz

Description
Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control.

Applications
Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/C89B>

Calio Z



Rp	2
DN	32 - 65
Q [m³/h]	≤ 70
H [m]	≤ 18
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110
n [rpm]	≤ 4500

Data for 50 Hz operation
Also available for 60 Hz

Description
Maintenance-free high-efficiency flanged or screw-ended glandless pump in twin pump design with high-efficiency electric motor and continuously variable differential pressure control.

Applications
Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/C09B>

Calio Pro



Rp	1 - 1 1/4
DN	32 - 65
Q [m³/h]	≤ 24
H [m]	≤ 12
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description
Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control.

Applications
Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/C89C>

Calio Pro Z



Rp	1 1/4
DN	32 - 50
Q [m³/h]	≤ 22
H [m]	≤ 12
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description
Maintenance-free high-efficiency flanged or screw-ended glandless pump in twin pump design with high-efficiency electric motor and continuously variable differential pressure control.

Applications
Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/C09C>

In-line pumps

EtaLine Pro



Rp	1
DN	32 - 65
Q [m³/h]	≤ 63,6
H [m]	≤ 42,9
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +120

Data for 50 Hz operation
Also available for 60 Hz

Description

EtaLine Pro – more compact, flexible and efficient. Service-friendly high-efficiency variable speed in-line pump with dry-rotor permanent magnet synchronous motor. Integrated sophisticated pump functions. Well ahead of the ErP Directive's efficiency requirements. For heating and air-conditioning applications as well as water supply systems.

Applications

Heating systems, air-conditioning systems, cooling circuits, water supply systems (not approved for drinking water according to the German Environment Agency), service water supply systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/E30B>

EtaLine



DN	32 - 200
Q [m³/h]	≤ 700
H [m]	≤ 96
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Hot water heating, cooling circuits, air-conditioning, water supply systems, service water supply systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/E03B>

EtaLine Z



DN	32 - 200
Q [m³/h]	≤ 1095
H [m]	≤ 38,5
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in in-line design as twin pump, with magnetless KSB SuPremE motor of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. An M12 module (accessory) enables redundant operation of EtaLine Z without the need for a higher-level controller. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Hot water heating, cooling circuits, air-conditioning, water supply systems, service water supply systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/E13B>

EtaLine-R



DN	150 - 350
Q [m³/h]	≤ 1900
H [m]	≤ 93
p [bar]	≤ 25
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical close-coupled pump with volute casing in in-line design with magnet-less KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system.

Applications

Hot water heating, cooling circuits, air-conditioning, water supply systems, service water supply systems, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/E22A>

ILN



DN	65 - 400
Q [m³/h]	≤ 3310
H [m]	≤ 112
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +70
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical in-line centrifugal pump with closed impeller and mechanical seal. ILNS fitted with an auxiliary vacuum pump, ILNE with ejector. Back pull-out design allows the impeller to be dismantled without removing the piping and the motor. ATEX-compliant version available.

Applications

Hot-water heating systems, cooling circuits, air-conditioning systems, marine applications, water and service water supply systems, cleaning systems and industrial recirculation systems

Control unit

<https://www.ksb.com/en-gb/lc/l15A>

ILNC



DN	32 - 125
Q [m³/h]	≤ 370
H [m]	≤ 112
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +70
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical close-coupled centrifugal pump in in-line design, with electric motor, closed impeller and mechanical seal. ILNCS fitted with an auxiliary vacuum pump, ILNCE with ejector. Standardised IEC frame motor. ATEX-compliant version available.

Applications

Hot-water heating systems, cooling circuits, air-conditioning systems, marine applications, water and service water supply systems, cleaning systems and industrial recirculation systems

Control unit

<https://www.ksb.com/en-gb/lc/l16A>

ILNR



DN	150 - 350
Q [m³/h]	≤ 1600
H [m]	≤ 93
p [bar]	≤ 10
T [°C]	≥ -15 - ≤ +70
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical volute casing pump in in-line design, single-stage, with closed single-entry impeller. Equipped with replaceable casing wear rings in pump casing and casing cover. ILNR with flexible coupling.

Applications

Marine applications, cargo tank cleaning, scrubbers, brine circulation, ballast water, bilge water

Megaline



DN	32 - 200
Q [m³/h]	≤ 600
H [m]	≤ 135
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +90

Data for 60 Hz operation

Description

Volute casing pump for horizontal or vertical installation, in back pull-out design, single-stage, radially split volute casing, replaceable casing wear rings. Volute casing in in-line design with closed radial impeller, with multiply curved vanes, single mechanical seal to EN 12756.

Applications

Heating circuits, water supply systems, air-conditioning systems, waste water, industrial recirculation systems

<https://www.ksb.com/en-gb/lc/M51B>

Standardised / close-coupled pumps

Etanorm



DN	25 - 150
Q [m³/h]	≤ 1930
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal volute casing pump, single-stage, with ratings and main dimensions to EN 733, long-coupled, back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings, with motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Pumping clean or aggressive liquids not chemically or mechanically aggressive to the pump materials in water supply systems, cooling circuits, swimming pools, fire-fighting systems, irrigation systems, drainage systems, heating systems, air-conditioning systems, spray irrigation systems

<https://www.ksb.com/en-gb/lc/E04B>

Etabloc



DN	25 - 150
Q [m³/h]	≤ 660
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage close-coupled volute casing pump, with ratings to EN 733, with replaceable shaft sleeve and casing wear rings, with motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Pumping clean or aggressive liquids not chemically or mechanically aggressive to the pump materials in water supply systems, cooling circuits, swimming pools, fire-fighting systems, irrigation systems, drainage systems, heating systems, air-conditioning systems, spray irrigation systems

<https://www.ksb.com/en-gb/lc/E01B>

Etachrom B



DN	25 - 80
Q [m³/h]	≤ 260
H [m]	≤ 105
p [bar]	≤ 12
T [°C]	≥ -30 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal single-stage close-coupled circular casing pump, with ratings and main dimensions to EN 733, with replaceable casing wear rings and motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Cleaning systems (bottle rinsing, crate washing, etc.), water treatment plants, water supply systems, fire-fighting systems, spray irrigation systems, general irrigation systems, drainage systems, hot-water heating systems, air-conditioning systems, industrial washing plants, general industry, disposal of paint sludge, surface treatment

<https://www.ksb.com/en-gb/lc/E02A>

Etachrom L



DN	25 - 80
Q [m³/h]	≤ 260
H [m]	≤ 105
p [bar]	≤ 12
T [°C]	≥ -30 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal single-stage circular casing pump, with ratings and main dimensions to EN 733, with replaceable casing wear rings and motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Cleaning systems (bottle rinsing, crate washing, etc.), water treatment plants, water supply systems, fire-fighting systems, spray irrigation systems, general irrigation systems, drainage systems, hot-water heating systems, air-conditioning systems, industrial washing plants, general industry, disposal of paint sludge, surface treatment

<https://www.ksb.com/en-gb/lc/E08A>

Etanorm V



DN	32 - 150
Q [m³/h]	≤ 625
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -15 - ≤ +95

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump for vertical installation in closed tanks under atmospheric pressure, with ratings to EN 733.

Applications

Phosphating solutions, lubricating oil supply and sealing oil supply for turbines, generators, large compressors, large gear units

<https://www.ksb.com/en-gb/lc/EB5B>

Meganorm



DN	25 - 200
Q [m³/h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 2858/ISO 5199. Available with cylindrical or conical shaft seal chamber.

Applications

Water supply systems, drainage systems, irrigation systems, sugar industry, alcohol industry, air-conditioning systems, building services systems, fire-fighting systems

<https://www.ksb.com/en-gb/lc/M52B>

Megabloc



DN	25 - 160
Q [m³/h]	≤ 550
H [m]	≤ 140
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +90

Data for 60 Hz operation

Description

Volute casing pump for horizontal or vertical installation, back pull-out design, single-stage, radially split volute casing, flanged or screw-ended (optional), replaceable casing wear rings. Volute casing with closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756.

Applications

Water supply systems, irrigation systems, air-conditioning systems, building services systems, hotels, shopping centres, etc., fire-fighting systems, cooling circuits, general industry

<https://www.ksb.com/en-gb/lc/M44B>

Hot water pumps

HPK-L



DN	25 - 250
Q [m³/h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design to ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. Equipped with heat barrier, seal chamber air-cooled by integrated fan impeller, no external cooling. ATEX-compliant version available.

Applications

Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems

 KSB Leakage Sensor

<https://www.ksb.com/en-gb/lc/H07B>

HPK



DN	150 - 400
Q [m³/h]	≤ 4150
H [m]	≤ 185
p [bar]	≤ 40
T [°C]	≥ 0 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description


Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to ISO 2858 / ISO 5199. Optional TRD type testing by TÜV. ATEX-compliant version available.

Applications


Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems

<https://www.ksb.com/en-gb/lc/H02A>

HPH


	DN Q [m³/h] H [m] p [bar] T [°C]	40 - 350 ≤ 2350 ≤ 225 ≤ 110 ≥ 0 - ≤ +320	Description Horizontal radially split volute casing pump in back pull-out design, with centreline pump feet, with radial impeller, single-entry, single-stage. Optional TRD type testing by TÜV. ATEX-compliant version available.
	Data for 50 Hz operation Also available for 60 Hz	Applications Pumping hot water in high-pressure hot water generation plants, as boiler feed or recirculation pump.	https://www.ksb.com/en-gb/lc/H01A

RPH-HW


	DN Q [m³/h] H [m] p [bar] T [°C]	25 - 300 ≤ 1800 ≤ 270 ≤ 110 ≥ 0 - ≤ +320	Description Horizontal radially split single-stage single-suction volute casing pump in back pull-out design, with centreline pump feet and radial impeller.
	Data for 50 Hz operation Also available for 60 Hz	Applications Recirculating hot water in industrial plants and small to medium-sized power plants.	https://www.ksb.com/en-gb/lc/R48A

Hot water / thermal oil pumps


Etanorm SYT / RSY

	DN Q [m³/h] H [m] p [bar] T [°C]	25 - 300 ≤ 1900 ≤ 102 ≤ 16 ≥ -30 - ≤ +350	Description Horizontal volute casing pump in back pull-out design, single-stage, with ratings and dimensions to EN 733, radially split volute casing with integrally cast pump feet, replaceable casing wear rings, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, double mechanical seal to EN 12756, drive-end bearings: rolling element bearings, pump-end bearings: plain bearings, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available.
	Data for 50 Hz operation Also available for 60 Hz	Applications Heat transfer systems, hot water recirculation	● KSB Leakage Sensor https://www.ksb.com/en-gb/lc/E44B https://www.ksb.com/en-gb/lc/E23A

Etabloc SYT

	DN Q [m³/h] H [m] p [bar] T [°C]	25 - 80 ≤ 280 ≤ 68 ≤ 16 ≥ -30 - ≤ +350	Description Volute casing pump for horizontal or vertical installation, back pull-out design, single-stage, with ratings to EN 733, radially split volute casing, replaceable casing wear rings, volute casing with integrally cast pump feet, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, product-lubricated carbon plain bearing, grease-lubricated radial ball bearing in the motor housing, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available.
	Data for 50 Hz operation Also available for 60 Hz	Applications Heat transfer systems, hot water recirculation	● https://www.ksb.com/en-gb/lc/E10B

Etaline SYT

	DN Q [m³/h] H [m] p [bar] T [°C]	32 - 100 ≤ 316 ≤ 69 ≤ 16 ≥ -30 - ≤ +350	Description Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. ATEX-compliant version available.
	Data for 50 Hz operation Also available for 60 Hz	Applications Heat transfer systems, hot water recirculation	● https://www.ksb.com/en-gb/lc/E12B

Standardised chemical pumps

MegaCPK



DN	25 - 250
Q [m ³ /h]	≤ 3300
H [m]	≤ 162
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 2858 / ISO 5199, in a large range of material and seal variants; also available as a variant with "wet" shaft and conical seal chamber. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical and petrochemical industries, in refineries, power stations and desalination plants as well as in the food industry and general industry.

<https://www.ksb.com/en-gb/lc/M48A>

CPKN



DN	400
Q [m ³ /h]	≤ 4150
H [m]	≤ 185
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to ISO 2858 / ISO 5199. Also available as a variant with "wet" shaft, conical seal chamber and/or semi-open impeller. ATEX-compliant version available.

Applications

Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical and petrochemical industries, in refineries, power stations and desalination plants as well as in the food industry and general industry.

<https://www.ksb.com/en-gb/lc/C03A>

CPKNO



DN	25 - 160 / 200 - 315
Q [m ³ /h]	≤ 900
H [m]	≤ 150
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal volute casing pump in back pull-out design, with semi-open impeller, single-stage, to ISO 2858 / ISO 5199. ATEX-compliant version available.

Applications

Pumping aggressive organic and inorganic fluids, fluids that tend to polymerise, and slightly gas-laden fluids.

<https://www.ksb.com/en-gb/lc/C28A>

Seal-less pumps

Magnochem



DN	25 - 250
Q [m³/h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -90 - ≤ +400
Data for 50 Hz operation Also available for 60 Hz	

Description

Horizontal seal-less volute casing pump in back pull-out design, with magnetic drive, to DIN EN ISO 2858 / ISO 5199, with radial impeller, single-entry, single-stage. ATEX-compliant version available.

Applications

Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical, petrochemical and general industries.

<https://www.ksb.com/en-gb/lc/M00B>

Magnochem 685



DN	25 - 250
Q [m³/h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -90 - ≤ +350
Data for 50 Hz operation Also available for 60 Hz	

Description

Horizontal seal-less volute casing pump, with magnetic drive, radial impeller, single-entry, single-stage. Design to ISO 15783 / API 685 (centreline mounting, ASME flanges, and twice the permissible nozzle forces). ATEX-compliant version available.

Applications

Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical, petrochemical and general industries.

Magnochem-Bloc



DN	25 - 160
Q [m³/h]	≤ 625
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -20 - ≤ +200
Data for 50 Hz operation Also available for 60 Hz	

Description

Horizontal or vertical seal-less volute casing pump in close-coupled design, with magnetic drive, to DIN EN ISO 2858 / ISO 5199, with radial impeller, single-entry, single-stage. ATEX-compliant version available.

Applications

Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical, petrochemical and general industries.

<https://www.ksb.com/en-gb/lc/M08B>

Etaseco / Etaseco-I



DN	32 - 100
Q [m³/h]	≤ 250
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -40 - ≤ +140
Data for 50 Hz operation Also available for 60 Hz	

Description

Horizontal or vertical seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry, casing connecting dimensions to EN 733.

Applications

Pumping aggressive, flammable, toxic, volatile or valuable liquids in the chemical and petrochemical industries, in environmental engineering and industrial applications.

<https://www.ksb.com/en-gb/lc/E07A>

Etaseco RVP



DN	25 - 40
Q [m³/h]	≤ 44
H [m]	≤ 40
p [bar]	≤ 16
T [°C]	≥ -50 - ≤ +110
Data for 50 Hz operation Also available for 60 Hz	

Description

Horizontal or vertical seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry, casing connecting dimensions to EN 733.

Applications

Pumping toxic, volatile or valuable liquids in environmental engineering and industrial applications and as coolant pump in cooling systems. Transport vehicles, environmental engineering and industry; applications where low noise emission, smooth running or long service intervals are required.

<https://www.ksb.com/en-gb/lc/ED5A>

Process pumps

RPH



DN	25 - 400
Q [m³/h]	≤ 4150
H [m]	≤ 270
p [bar]	≤ 110
T [°C]	≥ -70 - ≤ +450
Data for 50 Hz operation Also available for 60 Hz	

Description
Horizontal radially split volute casing pump in back pull-out design, to API 610, ISO 13709 (heavy duty), type OH2, with radial impeller, single-entry, single-stage, centreline pump feet; with inducer if required. ATEX-compliant version available.

Applications
Refineries, petrochemical and chemical industries, power stations, offshore and onshore processes.

<https://www.ksb.com/en-gb/lc/R05B>

RPH-LF



DN	50
Q [m³/h]	≤ 40
H [m]	≤ 339
T [°C]	≥ -30 - ≤ +200
Data for 50 Hz operation Also available for 60 Hz	

Description
Horizontal single-entry single-stage radially split overhung centreline-mounted process pump with circular casing to API 610 (ISO 13709), type OH2. Special design for low flow rates. ATEX-compliant version available.

Applications
Refineries, petrochemical and chemical industries; applications with low flow rates.

<https://www.ksb.com/en-gb/lc/R29A>

RPHb / RPHd / RPHbd



DN	80 - 400
Q [m³/h]	≤ 5100
H [m]	≤ 550
p [bar]	≤ 100
T [°C]	≥ -80 - ≤ +450
Data for 50 Hz operation Also available for 60 Hz	

Description
Heavy-duty horizontal radially split between-bearings volute casing pump to API 610, ISO 13709 (heavy duty), type BB2, with radial impellers, single- or double-entry, single- or two-stage design with centreline pump feet. ATEX-compliant version available.

Applications
Refineries, petrochemical and chemical industries, offshore and onshore processes.

<https://www.ksb.com/en-gb/lc/R23B>

RPH-V



DN2 / DN3	25 - 80 / 40 - 150
Q [m³/h]	≤ 150
H [m]	≤ 240
p [bar]	≤ 35
T [°C]	≥ -30 - ≤ +274
Data for 50 Hz operation Also available for 60 Hz	

Description
Vertical single-stage sump pump to API 610 and ISO 13709 (heavy duty), type V54, with integral thrust bearing assembly and separate discharge line. ATEX-compliant version available.

Applications
Refineries, petrochemical and chemical industries, offshore and onshore processes.

<https://www.ksb.com/en-gb/lc/R55A>

CHTR



DN	50 - 300
Q [m³/h]	≤ 1450
H [m]	≤ 4000
p [bar]	≤ 400
T [°C]	≥ -60 - ≤ +450
n [rpm]	≤ 7000
Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request	

Description
Horizontal high-pressure barrel-type pump with radial impellers, single-entry and double-entry, multistage, with flanges or weld end nozzles to DIN, API 610 and ANSI.

Applications
Refineries, petrochemical industry, steam generation, seawater injection in crude oil production (onshore and offshore)

<https://www.ksb.com/en-gb/lc/C38A>

CHTRa



DN	80 - 300
Q [m³/h]	≤ 1200
H [m]	≤ 1550
p [bar]	≤ 155
T [°C]	≥ -40 - ≤ +205
n [rpm]	≤ 6000

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal axially split single-entry multistage between-bearings volute casing pump with single casing and back-to-back impeller arrangement to API 610 (ISO 13709), type BB3. First stage optionally available in double-entry design for low NPSH requirements. ATEX-compliant version available.

Applications

Refineries, petrochemical industry, pipelines for crude oil and refinery products, water injection, feed water transport in power stations and industrial plants, mining, seawater desalination, reverse osmosis.

<https://www.ksb.com/en-gb/lc/C18A>

CINCP / CINCN



DN	32 - 200
Q [m³/h]	≤ 780
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical immersion pump in cantilever design for wet or dry installation. Semi-open impeller, pump shaft without guide bearings, supported by ball bearings in the upper section of the pump set. Supplied with discharge pipe extending above the baseplate (CINCP) or without discharge pipe (CINCN). ATEX-compliant version available.

Applications

Chemical and petrochemical industries, raw materials extraction and waste water management.

<https://www.ksb.com/en-gb/lc/C39A>

<https://www.ksb.com/en-gb/lc/C40A>

INVCP



DN	32 - 300
Q [m³/h]	≤ 1600
H [m]	≤ 116
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical immersion pump for wet or dry installation, available with closed or semi-open impeller. Supplied with discharge pipe extending above the baseplate (INVCP) or without discharge pipe (INVCN). ATEX-compliant version available.

Applications

Pumping chemically aggressive, slightly contaminated or solids-laden fluids in the chemical and petrochemical industries.

<https://www.ksb.com/en-gb/lc/I22A>

Estigia



DN	25 - 250
Q [m³/h]	≤ 1160
H [m]	≤ 110
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +100
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical immersion pump for wet installation, with various impeller types designed to meet specific fluid requirements. Supplied with discharge pipe extending above the cover plate, DN according to nominal flow rate. Sealing by lip seal, single or double cartridge mechanical seal. ATEX-compliant version available.

Applications

Pumping chemically aggressive, slightly contaminated or solids-laden fluids in the chemical and petrochemical industries.

● KSB SuPremE, PumpDrive, Frequency inverter

<https://www.ksb.com/en-gb/lc/V20A>

RWCP / RWCN



DN	50 - 200
Q [m³/h]	≤ 700
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Process pump with vortex impeller, semi-open or two-channel / three-channel impeller. Shaft sealed by mechanical seal or gland packing in accordance with various API piping plans. Oil-lubricated bearings. ATEX-compliant version available.

Applications

Refineries, chemical and petrochemical industries, steel works, descaling units, raw materials extraction, waste water management.

<https://www.ksb.com/en-gb/lc/R66A>

<https://www.ksb.com/en-gb/lc/R65A>

WKTR



DN	40 - 150
Q [m³/h]	≤ 400
H [m]	≤ 500
p [bar]	≤ 51
T [°C]	≥ -40 - ≤ +200
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertically suspended, double-casing, lineshaft, diffuser-type pump with integral thrust bearings and discharge through column pipe in accordance with API 610 / ISO 13709 (VS6). Available in single-stage or multistage configurations and with single suction first-stage impeller.

Applications

Pumping condensate and other NPSH-critical products in industrial plants, particularly in refineries and petrochemical plants.

<https://www.ksb.com/en-gb/lc/W18A>

Domestic water supply / swimming pool pumps

MultiEco



Rp	1 - 1 1/4
Q [m³/h]	≤ 8
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800


Data for 50 Hz operation

Description

Multistage self-priming centrifugal pump in close-coupled design.

Applications

Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.

 Controlmatic, Cervomatic

<https://www.ksb.com/en-gb/lc/M17A>

MultiEco Pro



Rp	1 - 1 1/4
Q [m³/h]	≤ 8
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800

Data for 50 Hz operation

Description

Multistage self-priming centrifugal pump in close-coupled design, with power cable, plug and Controlmatic E automatic control unit starting and stopping the pump in line with consumer demand and protecting it against dry running. Automated with automatic control unit.

Applications

Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.



<https://www.ksb.com/en-gb/lc/M18A>

MultiEco Top



Rp	1 - 1 1/4
Q [m³/h]	≤ 8
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800

Data for 50 Hz operation

Description

Multistage self-priming centrifugal pump in close-coupled design incl. accumulator with replaceable membrane in drinking water quality, total volume 20 or 50 litres, pressure switch for automatic pump operation and 1.5-metre power cable with plug.

Applications

Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.



<https://www.ksb.com/en-gb/lc/M19A>

Ixo N



Rp	1 1/4
Q [m³/h]	≤ 8
H [m]	≤ 65
T [°C]	≥ +5 - ≤ +35
n [rpm]	≤ 2900

Data for 50 Hz operation

Description

Multistage close-coupled centrifugal pump for fully or partly submerged operation (min. immersion depth 0.1 m), with low-level inlet, suction strainer with a max. mesh width of 2.0 mm.


Applications

Water supply systems, spray irrigation systems, general irrigation systems, washing plants, rainwater harvesting and water extraction from wells, reservoirs and rainwater storage tanks


 Control unit, Cervomatic

<https://www.ksb.com/en-gb/lc/I34A>

Ixo-Pro


	Rp Q [m³/h] H [m] T [°C]	1 ≤ 3,9 ≤ 60 ≥ +5 - ≤ +35	Description Multistage submersible borehole pump with integrated pressure switch, flow sensor and lift check valve. Electronic dry running protection with four consecutive start-up attempts; integrated capacitor. 15-metre H07 RN-F power cable with shockproof plug included.
	Data for 50 Hz operation	Applications Rainwater harvesting, pressure boosting, water extraction, irrigation systems	https://www.ksb.com/en-gb/lc/l06A

Filtru N


	Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]	2 ≤ 36 ≤ 21 ≤ 2,5 ≥ +4 - ≤ +35 ≤ 2800	Description Single-stage self-priming centrifugal pump in close-coupled design.
	Data for 50 Hz operation	Applications Pumping clean or slightly contaminated water, swimming pool water with a max. chlorine content of 0.3 %; ozonised swimming pool water with a max. salt content of 7 %.	https://www.ksb.com/en-gb/lc/F00A

Pressure booster systems


DeltaMacro

	Rp Q [m³/h] H [m] p [bar] T [°C]	1 1/2 ≤ 960 ≤ 154 ≤ 16 ≥ 0 - ≤ +60	Description Fully automatic package pressure booster system with two to four (F) / six (VC/SVP) vertical high-pressure pumps; available in cascade-controlled and two variable speed designs. Cascade control (F) for ensuring the required supply pressure. The VC and SVP versions ensure variable speed control of each pump by cabinet-mounted frequency inverter (VC) or motor-mounted PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with KSB BoosterCommand Pro Plus.
	Data for 50 Hz operation	Applications Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.	https://www.ksb.com/en-gb/lc/D12A


DeltaCompact

	Rp Q [m³/h] H [m] p [bar] T [°C]	1 / 1 1/2 ≤ 18 ≤ 55 ≤ 10 ≥ 0 - ≤ +40	Description Fully automatic ready-to-connect package single-pump pressure booster system / dual-pump pressure booster system with variable speed system
	Data for 50 Hz operation	Applications Domestic water supply, water supply systems, spray irrigation systems, general irrigation systems, service water systems, rainwater harvesting	https://www.ksb.com/en-gb/lc/D05B


DeltaBasic

	Rp Q [m³/h] H [m] p [bar] T [°C]	1 1/2 ≤ 88 ≤ 134 ≤ 16 ≥ 0 - ≤ +60	Description Fully automatic pressure booster system with two to three (MVP) / four (SVP) vertical high-pressure pumps in two variable speed versions. The MVP and SVP variable speed versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or by PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Equipped with a central fuse box.
	Data for 50 Hz operation	Applications Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.	https://www.ksb.com/en-gb/lc/D07A


DeltaPrimo

	Rp Q [m³/h] H [m] p [bar] T [°C]	1 1/2 ≤ 88 ≤ 134 ≤ 16 ≥ 0 - ≤ +60	Description Fully automatic package pressure booster system with two to three (VC) / four (F/SVP) vertical high-pressure pumps; available in cascade-controlled and two variable speed designs. Cascade control (F) for ensuring the required supply pressure. The VC and SVP versions ensure variable speed control of each pump by cabinet-mounted frequency inverter (VC) or motor-mounted PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with KSB BoosterCommand Pro.
	Data for 50 Hz operation	Applications Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.	https://www.ksb.com/en-gb/lc/D08A


DeltaSolo

	Rp Q [m³/h] H [m] p [bar] T [°C]	1 1/4 ≤ 76 ≤ 145 ≤ 16 ≥ 0 - ≤ +60	Description Fully automatic single-pump system available in two variable speed versions. The MVP and SVP variable speed versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or by PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure.
	Data for 50 Hz operation	Applications Water supply systems for residential buildings and office buildings, irrigation systems and rainwater harvesting systems, service water supply systems, in trade and industry.	https://www.ksb.com/en-gb/lc/D11A


DeltaSolo D

	Rp DN Q [m³/h] H [m] p [bar] T [°C]	1 100 ≤ 110 ≤ 160 ≤ 16 ≥ 0 - ≤ +70	Description Fully automatic package single-pump system with 8-litre membrane-type accumulator. The system is started and stopped as a function of pressure.
	Data for 50 Hz operation	Applications Water supply systems for residential and office buildings, irrigation and spray irrigation, rainwater harvesting and service water supply systems in trade and industry.	https://www.ksb.com/en-gb/lc/H17A

Hya-Solo D FL

	Rp DN Q [m³/h] H [m] p [bar] T [°C]	1 100 ≤ 110 ≤ 160 ≤ 16 ≥ 0 - ≤ +70	Description Fully automatic package single-pump system. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.
	Data for 50 Hz operation	Applications Fire-fighting systems to DIN 14462	https://www.ksb.com/en-gb/lc/H16A

Hya-Duo D FL

	Rp DN Q [m³/h] H [m] p [bar] T [°C]	2 150 ≤ 110 ≤ 160 ≤ 16 ≥ 0 - ≤ +70	Description Fully automatic package dual-pump system consisting of one duty system and one stand-by system to ensure system redundancy. Design and function as per DIN 14462.
	Data for 50 Hz operation	Applications Fire-fighting systems to DIN 14462	https://www.ksb.com/en-gb/lc/H44A

Hya-Solo D FL Compact



DN	50 - 80
Q [m³/h]	≤ 48
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation

Description

Fully automatic ready-to-connect break tank package booster set for fire fighting, comprising a single-pump system and break tank. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.

Applications

Fire-fighting systems to DIN 14462

<https://www.ksb.com/en-gb/lc/H45A>

Hya-Duo D FL Compact



DN	50 - 80
Q [m³/h]	≤ 48
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation

Description

Fully automatic ready-to-connect break tank package booster set for fire fighting, comprising one duty system and one stand-by system to ensure system redundancy. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.

Applications

Fire-fighting systems to DIN 14462

<https://www.ksb.com/en-gb/lc/H46A>

Hya-Duo D FL-R



DN	150
Q [m³/h]	≤ 96 / 192
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation

Description

Fully automatic ready-to-connect break tank package booster set for fire fighting, comprising one duty system and one stand-by system to ensure system redundancy. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.

Applications

Fire fighting (break tank package booster set) in residential buildings and department stores, commercial and industrial plants, multi-storey car parks, for underground hydrants and surface hydrants

<https://www.ksb.com/en-gb/lc/H26A>

Surpress Feu SFE



Rp	2 1/2
Q [m³/h]	≤ 40
H [m]	≤ 76
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation

Description

Fully automatic pressure booster system with two horizontal close-coupled pumps (one pump on stand-by duty). Design complies with APSAD regulation R5. Pressure-controlled starting and stopping. Automated with BoosterControl.

Applications

Water supply and pressure boosting for wall hydrants, fire protection.

<https://www.ksb.com/en-gb/lc/SC3A>

KSB Safety Boost



DN	32
Q [m³/h]	≤ 7
H [m]	≤ 75
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +30

Data for 50 Hz operation

Description

Ready-to-connect break tank package booster set for drinking water to DIN EN 1717 (type AB) for the safe separation of drinking water and liquids of category 5

Applications

Troughs, rainwater harvesting systems, car washes, supply lines in waste water treatment plants, funeral parlours with hydro-aspirators, public pools, food processing plants, laundries, butchers, dental surgeries and pathological facilities

<https://www.ksb.com/en-gb/lc/SA2A>

Drainage pumps / grey water pumps

AmaDrainer 3



Rp	1 1/4 - 1 1/2
Q [m³/h]	≤ 13,5
H [m]	≤ 11,3
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical single-stage fully floodable submersible motor pump in close-coupled design, with integrated level switch for automatic control or optionally for control via external control unit. The maximum immersion depth is 2 metres.

Applications
Automatic drainage of pits, shafts, yards and basements prone to flooding, lowering of surface water levels, drainage, drainage of underground passages, water extraction from rivers and reservoirs.

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A07B>

AmaDrainer 4/5



Rp	1 1/2 - 2
Q [m³/h]	≤ 50
H [m]	≤ 24
T [°C]	≥ 0 - ≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 7 m.

Applications
Automatic drainage of pits, shafts, yards and cellars at risk of flooding, lowering of surface water levels, drainage, drainage of underground passages, water extraction from rivers and reservoirs.

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A76A>

AmaDrainer 80/100



Rp	2 1/2
DN	100
Q [m³/h]	≤ 130
H [m]	≤ 26
T [°C]	≥ 0 - ≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 10 m.

Applications
Automatic drainage of pits, shafts, yards and cellars at risk of flooding, lowering of surface water levels, drainage, drainage of underground passages, water extraction from rivers and reservoirs.

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A76A>

Ama-Porter F / S



DN	50 - 65
Q [m³/h]	≤ 40
H [m]	≤ 16
T [°C]	≤ +40

Data for 50 Hz operation

Description
Vertical single-stage fully floodable submersible grey water pump in close-coupled design (grey cast iron variant), non-explosion-proof.

Applications
Handling grey water, especially waste water containing long fibres and solid substances, liquids containing gas/air, removing waste water from flooded rooms and surfaces.

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A10A>

Rotex



Rp	1 1/4 - 2
Q [m³/h]	≤ 24
H [m]	≤ 14
T [°C]	≥ 0 - ≤ +90
n [rpm]	≤ 2900
Installation depth [m]	≤ 1,7



Data for 50 Hz operation

Description
Vertical single-stage centrifugal pump with discharge to the top and parallel with the pump shaft, pump base designed to act as suction strainer. Pump and motor are rigidly connected by a support column. Supplied ready to be plugged in, with 1.5-metre power cable and level switch.

Applications
Automatic drainage of buildings, pits and tanks, lowering of surface water levels and drainage.


<https://www.ksb.com/en-gb/lc/R04A>

MK / MKY



	Rp	2	Description Vertical submersible pump with three-channel impeller, volute casing designed as inlet strainer.
	DN	50	
Q [m³/h]	≤ 36		
H [m]	≤ 19		
T [°C]	≥ -10 - ≤ +200		
n [rpm]	≤ 3500		
Installation depth [m]	≤ 2,8		
Data for 50 Hz operation Also available for 60 Hz			
		https://www.ksb.com/en-gb/lc/M02A	

Lifting units / package pump stations

Amaclean

	Ø [mm]	1000 - 1800	Description Self-cleaning tank insert for grouted installation in new concrete structures or in concrete structures in need of refurbishment. Designed to prevent soiling of the structure and clogging of the pumps by heavily waste or fibre loaded waste water. Suitable for pump stations emitting unpleasant odours and/or gases.
	DN	50 - 100	
Installation depth [m]	4,5 - 9,0		
https://www.ksb.com/en-gb/lc/A15A			

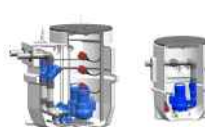

AmaDrainer Box Mini

	DN	40	Description Reliable and compact grey water lifting unit in a modern design with activated carbon filter meeting hygiene requirements and with shower connection as standard; complies with EN 12050-2.
	Q [m³/h]	≤ 10	
H [m]	≤ 6,5		
T [°C]	≤ +50		
Data for 50 Hz operation			
		https://www.ksb.com/en-gb/lc/A23A	

AmaDrainer Box

	DN	40 - 50	Description Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, with floor drain and odour trap, both with AmaDrainer submersible motor pump starting and stopping automatically and swing check valve
	Q [m³/h]	≤ 46	
H [m]	≤ 24		
T [°C]	≤ +40		
Data for 50 Hz operation Also available for 60 Hz			
		https://www.ksb.com/en-gb/lc/A23A	

Evamatic-Box N

	DN	50 - 65	Description Floodable lifting unit for domestic waste water, equipped with either one or two pumps of type Ama-Porter F (vortex impeller) or Ama-Porter S (cutter)
	Q [m³/h]	≤ 40	
H [m]	≤ 21		
T [°C]	≤ +40		
Data for 50 Hz operation			
		https://www.ksb.com/en-gb/lc/EB7A	

MiniCompacta



DN	32 - 100
Q [m³/h]	≤ 36
H [m]	≤ 25
T [°C]	≤ +40
Data for 50 Hz operation Also available for 60 Hz	

Description
Floodable single-pump sewage lifting unit or dual-pump sewage lifting unit for automatic disposal of domestic waste water and faeces in building sections below the flood level.

Applications
Basement flats, bars, basement party rooms, basement saunas, cinemas, theatres, department stores, hospitals, hotels, restaurants, schools.

<https://www.ksb.com/en-gb/lc/M09B>

Compacta



DN	80 - 100
Q [m³/h]	≤ 145
H [m]	≤ 24,5
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Floodable single-pump sewage lifting unit or dual-pump sewage lifting unit for automatic disposal of waste water and faeces in buildings and building sections below the flood level.

Applications
Basement flats, bars, basement party rooms and saunas, cinemas and theatres, department stores and hospitals, hotels, restaurants, schools, other public buildings, industrial facilities, underground train stations or for joint sewage disposal from rows of houses.

<https://www.ksb.com/en-gb/lc/C00B>

CK 800 Pump Station



DN	32 - 50
Q [m³/h]	≤ 22
H [m]	≤ 49
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Single-pump station / dual-pump station as ready-to-connect package system, with PE-LLD (polyethylene) collecting tank for buried installation. Equipped with either one or two submersible waste water pumps of type Amarex N S (explosion-proof or non-explosion-proof) or Ama-Porter (non-explosion-proof). Tank design to DIN 1986-100 and EN 752/EN 476.

Applications
Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage

<https://www.ksb.com/en-gb/lc/C05A>

CK 1000 Pump Station



DN	50 - 65
Q [m³/h]	≤ 40,3
H [m]	≤ 37,2
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Single-pump station / dual-pump station as ready-to-connect package system, with PE-LLD (polyethylene) collecting tank for buried installation. Equipped with either one or two submersible waste water pumps of type Amarex (explosion-proof or non-explosion-proof) or Ama-Porter (non-explosion-proof). Tank design to DIN 1986-100 and EN 752/EN 476.

Applications
Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage

<https://www.ksb.com/en-gb/lc/C05A>

Ama-Porter CK Pump Station




DN	50 - 65
Q [m³/h]	≤ 40
H [m]	≤ 16
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Single-pump station / dual-pump station as ready-to-connect package system, with PE-LLD (polyethylene) collecting tank for buried installation. Equipped with either one or two submersible waste water pumps of type Ama-Porter (non-explosion-proof). Tank design to DIN 1986-100 and EN 752/EN 476.


Applications
Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage

<https://www.ksb.com/en-gb/lc/C05A>

SRL

	DN Q [m ³ /h] H [m] T [°C]	65 - 150 ≤ 280 ≤ 50 ≤ +40	Description Package pump station with tank made of glass fibre reinforced polyester, equipped with two dry-installed Sewabloc pumps with a rating of 2.2 to 30 kW, integrated valves and a control unit with frequency inverters. Pump operation is adjusted in line with flow rate demand, thus minimising energy costs. This maintenance-friendly pump station prevents intermediate storage of waste water and the related odour nuisance.
Data for 50 Hz operation			Applications Joint disposal of domestic, municipal and industrial waste water to the sewer system / waste water treatment plant
			https://www.ksb.com/en-gb/lc/S93A

SRA

	DN Q [m ³ /h] H [m] T [°C]	50 - 100 ≤ 200 ≤ 75 ≤ +40	Description Dual-pump station as ready-to-connect package system, with collecting tank made of GFRP for buried installation
Data for 50 Hz operation Also available for 60 Hz			Applications Site remediation, disposal of domestic, municipal and industrial waste water, joint sewage disposal for multiple residential units
<input type="checkbox"/> AmaControl, <input type="checkbox"/> LevelControl			https://www.ksb.com/en-gb/lc/S90A

Submersible motor pumps

Amarex



DN	50 - 150
Q [m³/h]	≤ 320
H [m]	≤ 42
T [°C]	≤ +40
Data for 50 Hz operation Also available for 60 Hz	

Description
Vertical single-stage submersible motor pump for wet installation, with vortex impeller (F-max) or open dual-vane impeller (D-max), stationary or transportable version. Single-stage, single-entry close-coupled pump sets which are not self-priming. ATEX-compliant version available.

Applications
Waste water transport, waste water management, drainage systems, waste water treatment plants, stormwater transport, recirculation, sludge treatment

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A31B>

Amarex N



DN	32 - 100
Q [m³/h]	≤ 190
H [m]	≤ 49
T [°C]	≤ +40
Data for 50 Hz operation Also available for 60 Hz	

Description
Vertical single-stage submersible motor pump for wet installation, with cutter (S), stationary or transportable version. Amarex N pumps are floodable, single-stage, single-entry close-coupled pump sets which are not self-priming. ATEX-compliant version available.

Applications
Pumping waste water, especially untreated waste water containing long fibres and solid substances, liquids containing gas or air, and raw, activated and digested sludge; dewatering and water extraction, drainage of rooms and areas at risk of flooding.

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A31A>

Amarex KRT



DN	40 - 700
Q [m³/h]	≤ 10080
H [m]	≤ 120
T [°C]	≤ +60
n [rpm]	≤ 2900
Data for 50 Hz operation Also available for 60 Hz	

Description
Horizontal or vertical single-stage submersible motor pump in close-coupled design, with various next-generation impeller types, for wet or dry installation, stationary or transportable version, with energy-saving motor and models for use in potentially explosive atmospheres.

Applications
Pumping all types of waste water in water and waste water management, seawater desalination and industry, especially untreated waste water containing long fibres and solid substances, liquids containing gas or air, and raw, activated and digested sludge.

PumpDrive, AmaControl, LevelControl

<https://www.ksb.com/en-gb/lc/A30B>

Submersible pumps in discharge tubes

Amacan K



DN	700 - 1400
Q [m³/h]	≤ 5400
H [m]	≤ 30
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 980
Data for 50 Hz operation Also available for 60 Hz	

Description
Wet-installed submersible motor pump for installation in discharge tubes, with channel impeller, single-stage, single-entry. ATEX-compliant version available.

Applications
Handling pre-cleaned chemically neutral waste water, industrial effluent and sewage, fluids not containing any stringy substances, pre-treated by screens or overflow sills; as waste water, combined sewage and activated sludge pumps in waste water treatment plants, irrigation and drainage pumping stations.

AmaControl

<https://www.ksb.com/en-gb/lc/A05A>

Amacan P



DN	500 - 1500
Q [m³/h]	≤ 25200
H [m]	≤ 12
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450
Data for 50 Hz operation Also available for 60 Hz	

Description
Wet-installed submersible motor pump for installation in discharge tubes, with axial propeller in ECB design, single-stage, single-entry. ATEX-compliant version available.

Applications
Irrigation and drainage pumping stations, for stormwater transport in stormwater pumping stations, raw and clean water transport in water and waste water treatment plants, cooling water transport in power stations and industrial plants, industrial water supply, water pollution control and flood control, aquaculture.

AmaControl

<https://www.ksb.com/en-gb/lc/A28A>

Amacan S



DN	650 - 1300
Q [m ³ /h]	≤ 10800
H [m]	≤ 40
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

Wet-installed submersible motor pump for installation in discharge tubes, with mixed flow impeller, single-stage. ATEX-compliant version available.

Applications

Pumping water not containing stringy material in irrigation and drainage pumping stations, general water supply systems, water pollution control and flood control.

 AmaControl

<https://www.ksb.com/en-gb/lc/A29A>

Mixers / agitators / tank cleaning units

AmaProp



Propeller Ø [mm]	800 - 2600
T [°C]	≥ 0 - ≤ +40
Installation depth [m]	≤ 12
Also available for 60 Hz	

Description
Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, with coaxial spur gear drive. Explosion-proof version available.

Applications
In environmental engineering, particularly in municipal and industrial waste water and sludge treatment, for circulating, keeping in suspension and inducing flow in nitrification tanks and denitrification tanks, activated sludge tanks, biological phosphate elimination tanks, flocculation tanks and sludge storage tanks

 AmaControl

<https://www.ksb.com/en-gb/lc/A11B>

Amamix



Propeller Ø [mm]	200 - 600
T [°C]	≥ 0 - ≤ +40
Installation depth [m]	≤ 30
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, direct drive. ATEX-compliant version available.

Applications
Handling municipal and industrial waste water and sludges as well as applications in environmental engineering.

 AmaControl

<https://www.ksb.com/en-gb/lc/A09A>

Amaline



DN	200 - 800
Q [m³/h]	≤ 6600
H [m]	≤ 2,5
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Wet-installed horizontal propeller pump with submersible motor, equipped with direct drive or spur gear, ECB propeller with rigid, fibre-repellent blades, bolt-free connection to the discharge pipe. Explosion-proof version available.


Applications
Recirculating activated sludge in waste water treatment systems.

 AmaControl


<https://www.ksb.com/en-gb/lc/A08B>

Pumps for solids-laden fluids


Sewatec

	DN Q [m ³ /h] H [m] p [bar] T [°C] n [rpm]	50 - 700 ≤ 10000 ≤ 115 ≤ 10 ≤ +70 ≤ 2900	Description Volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available. Applications Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment
	Data for 50 Hz operation Also available for 60 Hz		
● PumpDrive, AmaControl, LevelControl		https://www.ksb.com/en-gb/lc/S02B	


Sewatec SPN

	DN Q [m ³ /h] H [m] p [bar] T [°C]	≤ 1200 ≤ 32400 ≤ 115 ≤ 16 ≤ +70	Description Vertical volute casing pump with multi-channel impellers (K), discharge flange to DIN and ANSI standards. Applications Waste water transport, waste water disposal, waste water management, transport of contaminated surface water
	Data for 50 Hz operation Also available for 60 Hz		


Sewabloc

	DN Q [m ³ /h] H [m] p [bar] T [°C] n [rpm]	50 - 200 ≤ 1000 ≤ 90 ≤ 10 ≤ +70 ≤ 2900	Description Close-coupled volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available. Applications Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment
	Data for 50 Hz operation Also available for 60 Hz		
● PumpDrive, LevelControl		https://www.ksb.com/en-gb/lc/S01B	

KWP

	DN Q [m ³ /h] H [m] p [bar] T [°C] n [rpm]	40 - 900 ≤ 15000 ≤ 100 ≤ 10 ≥ -40 - ≤ +140 ≤ 2900	Description Horizontal radially split volute casing pump in back pull-out design, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller. ATEX-compliant version available. Applications Paper industry, cellulose industry, sugar industry, food industry, power plants, chemical industry, petrochemical industry, flue gas desulphurisation, coal upgrading plants, industrial engineering, waste water transport, seawater desalination / reverse osmosis
	Data for 50 Hz operation Also available for 60 Hz		
● PumpDrive		https://www.ksb.com/en-gb/lc/K07A	

KWP-Bloc

	DN Q [m ³ /h] H [m] p [bar] T [°C] n [rpm]	40 - 100 ≤ 325 ≤ 100 ≤ 10 ≥ -40 - ≤ +100 ≤ 2900	Description Horizontal or vertical radially split close-coupled volute casing pump, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller. Applications Paper industry, cellulose industry, sugar industry, food industry, chemical industry, petrochemical industry, flue gas desulphurisation, industrial engineering, waste water transport
	Data for 50 Hz operation Also available for 60 Hz		
● PumpDrive		https://www.ksb.com/en-gb/lc/K09A	

Slurry pumps

WBC



Q [m³/h]	≤ 16200
H [m]	≤ 80
p [bar]	≤ 32
T [°C]	≥ -20 - ≤ +120

Description

Patented design with state-of-the-art hydraulic system and highly wear-resistant materials for high-pressure applications. The pump casing is designed to withstand maximum stresses, e.g. during pressure surges.

Applications

Ideal for the single-stage or multistage transport of ore and tailings over long distances and for dredging.

<https://www.ksb.com/en-gb/lc/W09A>

LSA



Q [m³/h]	≤ 13600
H [m]	≤ 90
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +120

Description

Premium design white cast iron pump for long service life handling severe slurries. The maintenance-friendly single-wall construction and heavy section white cast iron wet end combined with the cartridge bearing assembly provide maximum reliability, a long service life and ease of maintenance.

Applications

Ore and tailings transport, dredging (dry-installed or submerged operation) and industrial processes.

<https://www.ksb.com/en-gb/lc/L14A>

LCC-M



Q [m³/h]	≤ 3200
H [m]	≤ 90
p [bar]	≤ 16
T [°C]	≤ +120

Description

A high-efficiency slurry pump with excellent wear properties over a broad operating range. The wetted pump end (casing, impeller and suction cover / liner) is made of white cast iron with a high chromium content. Design optimised for easy dismantling and reassembly for maintenance and inspection work. The maximum permissible working pressures are between 8 and 16 bar, depending on the pump size. Perfectly suited for transporting fluids containing hardly to slightly abrasive solids. Ideal for sludges, classes 1 to 2.

Applications

Reliable pump for high heads and moderately corrosive slurries. Used in mine dewatering, ash and tailings transport and dredging.

<https://www.ksb.com/en-gb/lc/L13A>

LCC-R



Q [m³/h]	≤ 2560
H [m]	≤ 42
p [bar]	≤ 16
T [°C]	≤ +65

Description

Interchangeable rubber-lined or part-metal design allows adaptation of existing pumps to new applications by simply exchanging the pump wet end.

Applications

The pumps are suitable for moderate heads, fine particles and highly corrosive slurries.

<https://www.ksb.com/en-gb/lc/L19A>

TBC



Q [m³/h]	≤ 18200
H [m]	≤ 90
p [bar]	≤ 45
T [°C]	≥ -20 - ≤ +120

Description

Horizontal high-pressure end-suction centrifugal pump offering maximum resistance to wear and ease of maintenance. The conventional single-wall design transfers stress loads from the wear parts to the casing covers in high-pressure applications. Pump components made of highly wear-resistant white cast iron.

Applications

High-head high-flow hydrotransport of mined ore, tailings, dredged material, for pipeline booster stations and other severe duties.

<https://www.ksb.com/en-gb/lc/T08A>

LCV



Q [m³/h]	≤ 2029
H [m]	≤ 77
p [bar]	≤ 11
T [°C]	≥ +5 - ≤ +120

Description

Robust vertical cantilever pump with bottom suction and no submerged bearings. Design with open and closed impeller for best efficiency, and maximum free passage. Wetted pump-end wear parts (casing, impeller, suction plate / liner) made of high-chrome white cast iron for excellent wear characteristics. Maximum permissible working pressures range from 7 to 11 bar, depending on the size. Ideal for transporting class 1 and class 2 slurries.

Applications

Particularly suitable for heavy-duty industrial processes and wash-down sump pump applications.

<https://www.ksb.com/en-gb/lc/L11A>

FGD



Q [m³/h]	≤ 23000
H [m]	≤ 30
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +120

Description

High-flow / low-head white cast iron pump with single-wall casing and high-efficiency impeller. Single-piece suction cover with integrated mounting plate.

Applications

Flue gas desulphurisation systems and process circuits

<https://www.ksb.com/en-gb/lc/F01A>

MHD



Q [m³/h]	≤ 32000
H [m]	≤ 80
p [bar]	≤ 13
T [°C]	≥ -20 - ≤ +120

Description

Designed to provide high flow / medium head with high efficiency for severe medium-head dredge applications.

Applications

Include hopper dredges or as the main pump on cutter dredges.

<https://www.ksb.com/en-gb/lc/M35A>

LHD



Q [m³/h]	≤ 21600
H [m]	≤ 65
p [bar]	≤ 15
T [°C]	≥ -20 - ≤ +120

Description

High-flow/low-head design with balanced NPSHR and free passage for high-volume transportation over short distances.

Applications

Include sand and gravel and severe, low-head dredge applications such as a ladder pump.

<https://www.ksb.com/en-gb/lc/L12A>

MDX



Q [m³/h]	≤ 16500
H [m]	≤ 51
p [bar]	≤ 14
T [°C]	≥ -20 - ≤ +120

Description

Pump designed with the latest technology from GIW. Superior wear properties and extremely long service life handling aggressive slurries.

Applications

Designed for SAG and ball mill discharge duties, cyclone feed, screen feed and other ore mining and treatment processes.

<https://www.ksb.com/en-gb/lc/M42A>

ZW



Q [m ³ /h]	≤ 573
H [m]	≤ 60
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +120

Description

Double-suction vertical cantilever pump with no submerged bearings. Exclusive top and bottom suction for high-concentration pumpability and maximum clearing of pump. Wetted pump-end wear parts (casing, impeller, hub plate / liner) made of high-chrome white cast iron for excellent wear characteristics. Ideal for transporting class 1 and class 2 slurries.

Applications

Particularly suitable for industrial processes and wash-down sump pump applications.

<https://www.ksb.com/en-gb/lc/Z22A>

HVF



Q [m ³ /h]	≤ 7200
H [m]	≤ 50
p [bar]	≤ 11
T [°C]	≤ +120

Description

A high-efficiency pump that has been specially developed for handling air entrained slurries. The design features a patented impeller and a venting chamber that removes the air contained in the fluid handled from the impeller eye, preventing blockage and reducing downtime. The wetted pump end (casing, impeller and suction plate / liner) is made of white cast iron with a high chromium content. This increases the service life of the components. Urethane is also available as a material. The maximum permissible working pressures are between 8 and 11.5 bar, depending on the pump size. Perfectly suited for transporting fluids containing hardly to slightly abrasive solids. Ideal for sludges, classes 1 to 2.

Applications

For use in all froth pumping applications in the mineral processing and industrial minerals industries.

<https://www.ksb.com/en-gb/lc/HA4A>

DWD



Q [m ³ /h]	≤ 24000
H [m]	≤ 90
p [bar]	≤ 45
T [°C]	≥ -20 - ≤ +120

Description

A high-efficiency, heavy-duty, double-wall pump designed specifically for dredge applications requiring large solids passage and low NPSHR. The internal components (replaceable wear-resistant casing, side liners and curved-vane impeller) are made of high-chrome white iron. While the internal wear parts handle abrasive slurries, the outer casing acts as the high pressure containment component for safety. Designed primarily for use in ocean going vessels, the DWD dredge pump is a robust design, built to withstand the world's most aggressive dredge applications.

Applications

Inboard and underwater pumps for cutter suction dredges (CSD) and trailing suction hopper dredges (TSHD).

<https://www.ksb.com/en-gb/lc/D06A>

TDW



Q [m ³ /h]	≤ 10500
H [m]	≤ 105
p [bar]	≤ 21
T [°C]	≥ -20 - ≤ +120

Description

High head, low suction head pump specifically engineered for operation in tailings pond dewatering applications. This pump offers a fully integrated expeller shaft seal for flush-free operation. The balanced, 4-vane, large free passage impeller helps to minimise vibration. A robust mechanic end ensures reliable operation in a wide range of operating conditions. The wet-end wear components including the high speed capable impeller are made of high chrome cast white iron for maximum wear life and long production cycles.

Applications

Developed to meet the unique requirements of tailings pond dewatering services where seal flush water is not available. Ideal for water reclamation service where solids are present and high head is required.

<https://www.ksb.com/en-gb/lc/T07A>

Self-priming pumps

Etaprime L



DN	25 - 125
Q [m³/h]	≤ 180
H [m]	≤ 85
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +90
H _{geo} [m]	≤ 9

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal self-priming volute casing pump, single-stage, with open multi-vane impeller, from size 40-40-140 with bearing bracket, in back pull-out design, ATEX-compliant version available.

Applications

Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, fire-fighting systems, drawdown of groundwater levels, domestic water supply, air-conditioning systems, cooling circuits, swimming pools, water supply systems.

<https://www.ksb.com/en-gb/lc/E25B>

Etaprime B



DN	25 - 100
Q [m³/h]	≤ 130
H [m]	≤ 70
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +90
H _{geo} [m]	≤ 9

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal self-priming volute casing pump, single-stage, with open multi-vane impeller, close-coupled; pump shaft and motor shaft rigidly connected; ATEX-compliant version available.

Applications

Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, fire-fighting systems, drawdown of groundwater levels, domestic water supply, air-conditioning systems, cooling circuits, swimming pools, water supply systems.

<https://www.ksb.com/en-gb/lc/EB1B>

EZ-B/L



DN	25 - 50
Q [m³/h]	≤ 21
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -5 - ≤ +80
n [rpm]	≤ 1500

Data for 50 Hz operation
Also available for 60 Hz

Description

Self-priming multistage liquid ring pump in close-coupled (EZ B) or long-coupled (EZ L) design, with mechanical seal.

Applications

Boiler feed, sanitary hot water, hydrophore systems for fresh or seawater and fresh water pre-heating.

<https://www.ksb.com/en-gb/lc/E34A>
<https://www.ksb.com/en-gb/lc/E35A>

AU



DN	40 - 200
Q [m³/h]	≤ 600
H [m]	≤ 52
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +80

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal self-priming centrifugal pump, open or semi-open impeller, adjusted via wear plate, with mechanical seal, ATEX-compliant version available.

Applications

Pumping clean, contaminated and aggressive fluids also containing solids. In fresh water and seawater circuits, fire-fighting applications, as ballast and bilge pumps, and for drainage and waste water applications.

<https://www.ksb.com/en-gb/lc/A93A>

AU Monobloc



DN	40 - 50
Q [m³/h]	≤ 53
H [m]	≤ 37
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +80

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal self-priming centrifugal pump in close-coupled design, open or semi-open impeller, adjusted via wear plate, with mechanical seal, driven by electric motors or internal combustion engines; ATEX-compliant version available.

Applications

Pumping clean, contaminated and aggressive fluids also containing solids. In fresh water and seawater circuits, fire-fighting applications, as ballast and bilge pumps, and for drainage and waste water applications.

<https://www.ksb.com/en-gb/lc/A94A>

Submersible borehole pumps

UPA C 100 EN



DN	100
Q [m³/h]	≤ 24
H [m]	≤ 300
T [°C]	≤ +30
Data for 50 Hz operation Also available for 60 Hz	

Description

Multistage centrifugal pump in shroud design made of stainless steel, with impellers made of plastic for well diameters of 100 mm (4 in.) and above, available with single-phase AC motor or three-phase motor with motor lead.

Applications

Domestic water supply, general irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster systems and air-conditioning systems. UPA C 100 EN is also suitable for drinking water applications to ACS.

Control unit, Cervomatic, UPA Control

<https://www.ksb.com/en-gb/lc/U04A>

UPA C 100 EE



DN	100
Q [m³/h]	≤ 18
H [m]	≤ 600
T [°C]	≤ +30
Data for 50 Hz operation Also available for 60 Hz	

Description

Multistage centrifugal pump in ring-section design made of stainless steel for well diameters of 100 mm (4 inches) and above, available with single-phase AC motor or three-phase motor with motor lead.

Applications

Domestic water supply, general irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster systems and air-conditioning systems. UPA C 100 EE is also suitable for drinking water applications to ACS.

Control unit, Cervomatic, UPA Control

<https://www.ksb.com/en-gb/lc/U04A>

UPA C 150



DN	150
Q [m³/h]	≤ 79
H [m]	≤ 440
T [°C]	≤ +50
Data for 50 Hz operation Also available for 60 Hz	

Description

All-stainless steel single-stage or multistage centrifugal pump in ring-section design, suitable for vertical or horizontal installation, for well diameters of 150 mm (6 inches) and above.

Applications

Spray irrigation systems, general irrigation systems, drawdown of groundwater levels, domestic water supply, fountains, heat pump systems, water supply systems

PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U16A>

UPA 200, UPA 250



DN	200 - 250
Q [m³/h]	≤ 330
H [m]	≤ 460
T [°C]	≤ +50
Data for 50 Hz operation Also available for 60 Hz	

Description

Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Optionally available with lift check valve or connection branch. For well diameters of 8 inches and above.

Applications

Pumping clean or slightly contaminated water in general water supply, spray irrigation and general irrigation, drawdown and maintenance of groundwater levels, fountains and pressure booster systems, mining, fire-fighting systems, emergency water supply, etc.

PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U17A>
<https://www.ksb.com/en-gb/lc/U19A>

UPA 300, UPA 350



DN	300 - 350
Q [m³/h]	≤ 840
H [m]	≤ 480
T [°C]	≤ +50
Data for 50 Hz operation Also available for 60 Hz	

Description

Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Mixed flow hydraulic systems with trimmable impellers. Optionally available with lift check valve or connection branch. For well diameters of 12 inches and above.


Applications

Pumping clean or slightly contaminated water in general water supply, spray irrigation and general irrigation, drawdown and maintenance of groundwater levels, fountains and pressure booster systems, mining, fire-fighting systems, emergency water supply, etc.


PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U20A>
<https://www.ksb.com/en-gb/lc/U21A>


UPA 400 - UPA 1100

	DN Q [m³/h] H [m] T [°C]	> 400 ≤ 5000 ≤ 300 ≤ +50	Description Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation.
	Data for 50 Hz operation Also available for 60 Hz	Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.	

UPA D

	DN Q [m³/h] H [m] T [°C]	> 400 ≤ 5000 ≤ 1500 ≤ +50	Description Multistage double-entry centrifugal pump in ring-section design for vertical or horizontal installation.
	Data for 50 Hz operation Also available for 60 Hz	Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.	

UPA S 200, UPA S 250


	DN Q [m³/h] H [m] T [°C]	200 - 250 ≤ 310 ≤ 380 ≤ +50	Description Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Optionally available with lift check valve or connection branch. For well diameters of 8 inches and above.
	Data for 50 Hz operation Also available for 60 Hz	Applications For pumping clean or slightly contaminated water in general water supply, spray irrigation and general irrigation, drawdown and maintenance of groundwater levels, fountains and pressure booster systems, mining, fire-fighting systems, emergency water supply, etc.	

 PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U17A>

Vertical turbine pumps

B Pump

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	80 - 500 ≤ 2600 ≤ 160 ≤ 16 ≥ -10 - ≤ +105 ≤ 3000	Description Vertical turbine pump conforming to AWWA E101-88 and designed with radially split interchangeable pump bowls, wear rings and impellers; column assembly with interchangeable column bearings and lengths of column pipes for variable immersion depths.
	Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request	Applications Pumping clean water in agriculture, collection and irrigation, public water supply, industry, fire-fighting systems	

<https://www.ksb.com/en-gb/lc/B60A>

High-pressure pumps

Comeo



Rp	1 - 1 1/4
Q [m³/h]	≤ 10,8
H [m]	≤ 79,5
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +60
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage horizontal centrifugal pump in close-coupled design

Applications
Water supply, small pressure booster systems, irrigation, cooling

● Frequency inverter

<https://www.ksb.com/en-gb/lc/C11A>

Movitec H(S)



Rp	1 1/4 - 2
Q [m³/h]	≤ 27
H [m]	≤ 195
p [bar]	≤ 25
T [°C]	≥ -20 - ≤ +140
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage horizontal high-pressure centrifugal pump with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.

Applications
Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.

● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/M06A>

Movitec



Rp	1 - 2
DN	25 - 125
Q [m³/h]	≤ 160
H [m]	≤ 401
p [bar]	≤ 40
T [°C]	≥ -20 - ≤ +140
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications
Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.

● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/M12A>

Movitec VCI



Rp	1 1/4 - 2
Q [m³/h]	≤ 22,5
H [m]	≤ 249
p [bar]	≤ 25
T [°C]	≥ -10 - ≤ +120
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage vertical high-pressure immersion pump for installation on tanks or platforms.

Applications
Machine tools, industrial machine systems, condensate transport, paint shops.

● KSB SuPremE, PumpDrive

<https://www.ksb.com/en-gb/lc/M94A>

Multitec



DN	32 - 250
Q [m³/h]	≤ 1500
H [m]	≤ 1000
p [bar]	≤ 100
T [°C]	≥ -10 - ≤ +200
n [rpm]	≤ 3500


Description
Multistage horizontal or vertical centrifugal pump in ring-section design, long-coupled or close-coupled, with axial or radial suction nozzle, cast radial impellers and motor-mounted variable speed system. ATEX-compliant version available.

Applications
Water supply, drinking water supply, industry, pressure boosting, irrigation, power stations, heating systems, filtering systems, fire-fighting systems, reverse osmosis systems, snow-making systems and washing plants, and geothermal systems (re-injection of geothermal water into the aquifer).

● KSB SuPremE, PumpDrive, PumpMeter


<https://www.ksb.com/en-gb/lc/M07A>

WKL


	DN	32 - 150	Description Multistage horizontal centrifugal pump in ring-section design, with radial suction nozzle and closed radial impellers.
	Q [m³/h]	≤ 450	
	H [m]	≤ 300	Applications Transport of raw water and drinking water, applications in industry, pressure boosting, irrigation, sprinkler systems, drainage, etc.
	p [bar]	≤ 30	
	T [°C]	≥ -10 - ≤ +110	
	n [rpm]	≤ 3500	
			https://www.ksb.com/en-gb/lc/W15B

Axially split pumps


Omega

	DN	80 - 400	Description Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.
	Q [m³/h]	≤ 4400	
	H [m]	≤ 210	Applications Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.
	p [bar]	≤ 25	
	T [°C]	≥ 0 - ≤ +140	
	n [rpm]	≤ 2900	
Data for 50 Hz operation Also available for 60 Hz			
● PumpDrive, PumpMeter, Frequency inverter			https://www.ksb.com/en-gb/lc/O00A

RDLO

	DN	350 - 700	Description Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.
	Q [m³/h]	≤ 10000	
	H [m]	≤ 290	Applications Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.
	p [bar]	≤ 30	
	T [°C]	≥ 0 - ≤ +140	
	n [rpm]	≤ 1450	
Data for 50 Hz operation Also available for 60 Hz			
● PumpMeter, Frequency inverter			https://www.ksb.com/en-gb/lc/R08A

RDLP

	DN	350 - 1200	Description Axially split volute casing pump for horizontal installation, with one, two or three stages and double-entry radial impeller, mating flanges to DIN, ISO or ANSI.
	Q [m³/h]	≤ 18000	
	H [m]	≤ 550	Applications Pumping water with a low solids content, e.g. in waterworks and long-distance water supply.
	p [bar]	≤ 64	
	T [°C]	≥ 0 - ≤ +80	
	n [rpm]	≤ 1450	
Data for 50 Hz operation Also available for 60 Hz			
● Frequency inverter			https://www.ksb.com/en-gb/lc/R09A

Hygienic pumps

Vitachrom



DN	50 - 125
Q [m³/h]	≤ 340
H [m]	≤ 100
p [bar]	≤ 12
T [°C]	≥ -30 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

Service-friendly non-self-priming single-stage hygienic close-coupled pump in back pull-out design with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system. The pump features a semi-open impeller and electropolished surfaces. It is very easy to clean by CIP/SIP thanks to its almost complete lack of dead volume and narrow clearances. Its wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. Vitachrom is EHEDG-certified. All materials comply with FDA standards and EN 1935/2004. ATEX-compliant version available.

Applications

Hygienic handling of fluids in the food, beverage and pharmaceutical industries as well as in the chemical industry.

● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/V00A>

Vitacast



DN	32 - 200
Q [m³/h]	≤ 540
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz
Other ratings possible on request

Description

Service-friendly volute casing pump with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system. All wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. Designed with very little dead volume; open impeller, electropolished surface, excellent efficiency. Hygienic design for the highest requirements on cleanability (CIP/SIP-compatible), certified by the TNO Nutrition and Food Research Institute to EHEDG standards. All materials comply with FDA standards and EN 1935/2004. ATEX-compliant version available.

Applications

Hygienic handling of fluids in the food, beverage and pharmaceutical industries as well as in the chemical industry.

● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/V01A>

Vitacast Bloc



DN	25 - 150
Q [m³/h]	≤ 340
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz
Other ratings possible on request

Description

Service-friendly volute casing pump with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system. All wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. Designed with very little dead volume; open impeller, electropolished surface, excellent efficiency. Hygienic design for the highest requirements on cleanability (CIP/SIP-compatible), certified by the TNO Nutrition and Food Research Institute to EHEDG standards. All materials comply with FDA standards and EN 1935/2004. Trolley available among other accessories. ATEX-compliant version available.

Applications

Hygienic handling of fluids in the food, beverage and pharmaceutical industries as well as in the chemical industry.

● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/V05A>

Vitaprime



DN	40 - 80
Q [m³/h]	≤ 58
H [m]	≤ 45
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +100

Data for 50 Hz operation
Also available for 60 Hz
Other ratings possible on request

Description

Service-friendly close-coupled side-channel pump (self-priming) with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system. All wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. Hygienic design for the highest cleanability requirements (CIP/SIP-compatible). All materials comply with FDA standards and EN 1935/2004. Trolley available among other accessories. ATEX-compliant version available.

Applications

Hygienic handling of fluids in the food, beverage and pharmaceutical industries as well as in the chemical industry.

● KSB SuPremE, PumpDrive

<https://www.ksb.com/en-gb/lc/V07A>

Vitastage



Q [m ³ /h]	≤ 12,5
H [m]	≤ 150
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz
Other ratings possible on request

Description

Multistage centrifugal pump in close-coupled design for vertical or horizontal installation. All wetted components are made of 1.4401/1.4408 (AISI 316/CF8M) stainless steel. Versatile, robust and especially energy-efficient. CIP/SIP-compatible. All materials comply with FDA standards and EN 1935/2004. Trolley also available among other accessories.

Applications

Processes with hygienic requirements in the food and beverage industries and in the chemical industry.

<https://www.ksb.com/en-gb/lc/V08A>

Vitalobe



DN	25 - 200
Q [m ³ /h]	≤ 342
H [m]	≤ 200
p [bar]	≤ 20
T [°C]	≥ -40 - ≤ +180
Viscosity [cP]	≤ 200000

Data for 50 Hz operation
Also available for 60 Hz
Other ratings possible on request

Description

Sturdy rotary lobe pump in hygienic design, bi-directional operation possible, horizontal or vertical orientation of connections. Hygienic design, excellent CIP/SIP compatibility due to its almost complete lack of dead volume or narrow clearances. All wetted components made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel; various rotor types, shaft seals and process connections available. Installed as a pump set with gear unit and standardised motor. Vitalobe is EHEDG-certified. The pump elastomers comply with the FDA standards and EN 1935/2004. Accessories include a trolley, a heatable casing or casing cover and a pressure relief arrangement. ATEX-compliant version available.

Applications

Hygienic and gentle handling of sensitive or high-viscosity fluids in the food, beverage and pharmaceutical industries, the chemical industry and general process engineering.

● KSB SuPremE, PumpDrive

<https://www.ksb.com/en-gb/lc/V06A>

Pumps for power station conventional islands

CHTC / CHTD



DN	100 - 700
Q [m ³ /h]	≤ 5700
H [m]	≤ 5400
p [bar]	≤ 560
T [°C]	≤ +270
n [rpm]	≤ 6750

Also available for 60 Hz
Higher ratings possible upon request

Description

Horizontal high-pressure barrel-type pumps with radial impellers, single-entry and double-entry, multistage, with flanges or weld end nozzles to DIN and ANSI.

Applications

Pumping feed water and condensate in power stations and industrial plants, generation of pressurised water for bark peeling and descaling units.

<https://www.ksb.com/en-gb/lc/C04A>
<https://www.ksb.com/en-gb/lc/C16A>

HGB / HGC / HGD



DN	40 - 400
Q [m ³ /h]	≤ 2300
H [m]	≤ 5300
p [bar]	≤ 560
T [°C]	≤ +210
n [rpm]	≤ 7000

Also available for 60 Hz
Higher ratings possible upon request

Description

Horizontal radially split ring-section pump with radial impellers, single-entry or double-entry, multistage.

Applications

Pumping feed water and condensate in power stations and industrial plants, pumping gas turbine fuels, generating pressurised water for bark peeling and descaling units, snow guns, etc.

<https://www.ksb.com/en-gb/lc/H63A>
<https://www.ksb.com/en-gb/lc/H23A>

HGI



DN	80 - 150
Q [m³/h]	≤ 600
H [m]	≤ 2000
p [bar]	≤ 200
T [°C]	≤ +180
n [rpm]	≤ 3600

Also available for 60 Hz

Description
Horizontal radially split ring-section pump with radial impellers, single-entry, multistage.

Applications
Pumping feed water and condensate in power stations and industrial plants.

<https://www.ksb.com/en-gb/lc/H08A>

HGM



DN	25 - 125
Q [m³/h]	≤ 390
H [m]	≤ 1400
p [bar]	≤ 140
T [°C]	≤ +160
n [rpm]	≤ 3600

Also available for 60 Hz
Higher ratings possible upon request

Description
Horizontal radially split product-lubricated multistage ring-section pump with radial impellers, axial and radial single-entry inlet.

Applications
Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.

<https://www.ksb.com/en-gb/lc/H00A>

HGM-S



DN	25 - 125
Q [m³/h]	≤ 390
H [m]	≤ 1000
p [bar]	≤ 100
T [°C]	≤ +160
n [rpm]	≤ 3600

Also available for 60 Hz
Higher ratings possible upon request

Description
Horizontal radially split product-lubricated multistage ring-section pump with radial impellers, axial and radial single-entry inlet.

Applications
Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.

<https://www.ksb.com/en-gb/lc/H00A>

YNK



DN	125 - 600
Q [m³/h]	≤ 5200
H [m]	≤ 540
p [bar]	≤ 100
T [°C]	≤ +250
n [rpm]	≤ 3300

Higher ratings possible upon request

Description
Horizontal radially split single-stage double-entry boiler feed booster pump (booster system) with cast steel single or double volute casing.

Applications
Pumping feed water in power stations and industrial plants.

<https://www.ksb.com/en-gb/lc/Y01A>

LUVA



DN	100 - 550
Q [m³/h]	≤ 7000
H [m]	≤ 300
p [bar]	≤ 400
T [°C]	≤ +425
n [rpm]	≤ 3600

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical spherical casing pump, radial impellers, single-entry, single- to three-stage. Suitable for very high inlet pressures and temperatures. Integrated wet winding motor to VDE. Product-lubricated bearings, no need for oil supply systems. Design to TRD, ASME or IBR.

Applications
Hot water recirculation in forced-circulation, forced-flow and combined-circulation boilers for very high pressures and in solar power towers.

<https://www.ksb.com/en-gb/lc/L02A>

WKTB



DN	150 - 300
Q [m³/h]	≤ 1500
H [m]	≤ 370
p [bar]	≤ 40
T [°C]	≤ +140
n [rpm]	1500

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical can-type ring-section pump on base frame, multistage, first-stage impeller designed as a double-entry suction impeller, radial impellers. Flanges to DIN or ANSI.

Applications

Pumping condensate in power stations and industrial plants.

<https://www.ksb.com/en-gb/lc/W07A>

SEZ



Q [m³/h]	≤ 65000
H [m]	≤ 33
T [°C]	≤ +40
n [rpm]	≤ 990

Data for 50 Hz operation
Also available for 60 Hz
Higher ratings possible upon request

Description

Vertical tubular casing pump with open mixed flow impeller, pump intake with inlet nozzle or suction elbow, pull-out design available, discharge nozzle arranged above- or underfloor, flanges to DIN or ANSI standards available.

Applications

Pumping raw water, pure water, service water and cooling water in industry, water supply systems, power stations and seawater desalination plants.

<https://www.ksb.com/en-gb/lc/S10B>

SNW



DN	350 - 800
Q [m³/h]	≤ 6500
H [m]	≤ 60
p [bar]	≤ 10
T [°C]	≤ +60
n [rpm]	≤ 1500

Data for 50 Hz operation
Also available for 60 Hz
Higher ratings possible upon request

Description

Vertical tubular casing pump with mixed flow impeller, single-stage, with maintenance-free Residur bearings, discharge nozzle arranged above- or underfloor.

Applications

Irrigation and drainage, stormwater pumping stations, for raw water and pure water, water supply, cooling water.

<https://www.ksb.com/en-gb/lc/S14A>

PNW



DN	350 - 800
Q [m³/h]	≤ 9000
H [m]	≤ 10
p [bar]	≤ 10
T [°C]	≤ +60
n [rpm]	≤ 1500

Data for 50 Hz operation
Also available for 60 Hz
Higher ratings possible upon request

Description

Vertical tubular casing pump with axial propeller, single-stage, with maintenance-free Residur bearings, discharge nozzle arranged above or below floor level.

Applications

Irrigation and drainage, stormwater pumping stations, for raw water and pure water, water supply, cooling water.

<https://www.ksb.com/en-gb/lc/P02A>

SPY



DN	350 - 1200
Q [m³/h]	≤ 21600
H [m]	≤ 50
p [bar]	≤ 10
T [°C]	≤ +105
n [rpm]	≤ 1480

Data for 50 Hz operation
Also available for 60 Hz
Higher ratings possible upon request

Description

Long-coupled volute casing pump, single-stage, in back pull-out design.

Applications

Irrigation, drainage and water supply systems, for pumping condensate, cooling water, service water, etc.

<https://www.ksb.com/en-gb/lc/S15A>

Pumps for nuclear power stations

RER



DN	≤ 800
Q [m³/h]	≤ 40000
H [m]	≤ 140
p [bar]	≤ 175
T [°C]	≤ +350
n [rpm]	≤ 1800

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description
Vertical single-stage reactor coolant pump with forged circular casing plated on the inside, with diffuser, either with integrated pump thrust bearing or shaft supported by motor bearing.

Applications
Reactor coolant recirculation in nuclear power stations.

<https://www.ksb.com/en-gb/lc/R10A>

RSR



DN	≤ 750
Q [m³/h]	≤ 24000
H [m]	≤ 215
p [bar]	≤ 175
T [°C]	≤ +350
n [rpm]	≤ 1800

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description
Vertical single-stage reactor coolant pump with cast or forged casing, shaft supported by motor bearing.

Applications
Reactor coolant recirculation in nuclear power stations.

<https://www.ksb.com/en-gb/lc/R07A>

RUV



DN	≤ 650
Q [m³/h]	≤ 22000
H [m]	≤ 111
p [bar]	≤ 155
T [°C]	≤ +350
n [rpm]	≤ 1800

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description
Vertical single-stage reactor coolant pump. Seal-less design with integrated wet rotor motor and integrated flywheel. Product-lubricated bearings, no oil supply systems required.

Applications
Reactor coolant recirculation in generation III+ nuclear power stations.

<https://www.ksb.com/en-gb/lc/R42A>

PSR



DN	≤ 600
Q [m³/h]	≤ 9000
H [m]	≤ 45
p [bar]	≤ 75
T [°C]	≤ +300
n [rpm]	≤ 2000

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description
Vertical pump set integrated in the reactor containment floor, seal-less pump with leak-free, low-maintenance wet rotor motor.

Applications
Reactor coolant recirculation in boiling water reactors.

<https://www.ksb.com/en-gb/lc/P01A>

RHD



DN	125 - 500
Q [m³/h]	≤ 6500
H [m]	≤ 1000
p [bar]	≤ 150
T [°C]	≤ +210
n [rpm]	≤ 6500

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description
Horizontal single-stage double-entry main feed water pump MFWP, cast or forged variant.

Applications
Main feed water supply (MFWS) in steam generation systems of nuclear power stations.

<https://www.ksb.com/en-gb/lc/R25A>

LUVm



DN	40 - 600
Q [m³/h]	≤ 7000
H [m]	≤ 300
p [bar]	≤ 320
T [°C]	≤ +430

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical pump with integrated motor, single-entry, single- to three-stage. Suitable for very high inlet pressures and temperatures. Integrated wet winding motor to VDE. Product-lubricated bearings, no oil supply systems required. Design to ASME Section 3, KTA, etc.

Applications

As reactor water clean-up pump in boiling water reactors, reactor coolant pump in boiling water and pressurised water reactors and recirculation pump in test facilities.

<https://www.ksb.com/en-gb/lc/L25A>

RHM



DN	≤ 150
Q [m³/h]	≤ 300
H [m]	≤ 2100
p [bar]	≤ 220
T [°C]	≤ +180
n [rpm]	≤ 8000

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description

Horizontal multistage barrel pull-out pump.

Applications

Core flooding, emergency cooling and residual heat removal systems, chemical and volume control systems, control rod drive systems, high-pressure and medium-pressure safety injection systems, emergency feed water systems, start-up and shutdown feed water systems, high-pressure charging.

<https://www.ksb.com/en-gb/lc/R26A>

RVM



DN	≤ 85
Q [m³/h]	≤ 50
H [m]	≤ 2000
p [bar]	≤ 200
T [°C]	≤ +100
n [rpm]	≤ 6000

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description

Vertical multistage barrel pull-out pump.

Applications

Core flooding, emergency cooling and residual heat removal systems, chemical and volume control systems, high-pressure and medium-pressure safety injection systems.

<https://www.ksb.com/en-gb/lc/R26A>

RHR



DN	≤ 500
Q [m³/h]	≤ 6000
H [m]	≤ 190
p [bar]	≤ 63
T [°C]	≤ +200
n [rpm]	≤ 3600

Available for 50 Hz and 60 Hz

Description

Horizontal circular casing pump with forged or cast pressure boundary and diffuser.

Applications

Core flooding, emergency cooling and residual heat removal systems, ancillary systems, acid feed system and low-pressure injection system, component cooling water systems.

<https://www.ksb.com/en-gb/lc/R27A>

RVR



DN	≤ 500
Q [m³/h]	≤ 6000
H [m]	≤ 190
p [bar]	≤ 63
T [°C]	≤ +200
n [rpm]	≤ 3600

Available for 50 Hz and 60 Hz

Description

Vertical circular casing pump with forged or cast pressure boundary and diffuser.

Applications

Core flooding, emergency cooling and residual heat removal systems, ancillary systems, acid feed system and low-pressure injection system, component cooling water systems.

<https://www.ksb.com/en-gb/lc/R27A>

RVT



DN	≤ 350
Q [m³/h]	≤ 1100
H [m]	≤ 131
p [bar]	≤ 30
T [°C]	≤ +160
n [rpm]	≤ 1485

Available for 50 Hz and 60 Hz
Higher ratings possible upon request

Description

Vertical multistage barrel pull-out pump with double-entry suction impeller and forged distributor casing.

Applications

Low-pressure injection systems, emergency feed water systems, emergency cooling and residual heat removal systems

<https://www.ksb.com/en-gb/lc/R63A>

Pumps for desalination by reverse osmosis

RPH-RO



DN	100 - 350
Q [m³/h]	≤ 2500
H [m]	≤ 110
p [bar]	≤ 80
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump for dry installation, made of super-duplex stainless steel.

Applications

Booster pump for RO seawater desalination systems.

<https://www.ksb.com/en-gb/lc/R54A>

Multitec-RO



DN	50 - 150
Q [m³/h]	≤ 850
H [m]	≤ 1000
p [bar]	≤ 100
T [°C]	≥ -10 - ≤ +45
n [rpm]	≤ 3500

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal or vertical multistage centrifugal pump in ring-section design. Axial or radial suction nozzle. Discharge nozzle can be turned in steps of 90°. Closed radial impellers. Made of duplex or super duplex stainless steel.

Applications

High-pressure pump for RO seawater desalination systems and geothermal systems (re-injection of geothermal water into the aquifer).

 KSB SuPremE, PumpDrive

Positive displacement pumps

RC / RCV



DN	20 - 100
Q [m³/h]	≤ 78
H [m]	≤ 100
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +80
n [rpm]	≤ 1500

Data for 50 Hz operation
Also available for 60 Hz

Description

Helical gear pump, self-priming, with bypass valve, close-coupled design, for horizontal installation with baseplate or vertical installation. With mechanical seal.

Applications

Fuel feed, handling fuel, lubricating oil and viscous fluids, lubrication systems.

<https://www.ksb.com/en-gb/lc/R41A>

Fire-fighting systems

FP Electro Diesel Set



DN	32 - 300
Q [m ³ /h]	≤ 840
H [m]	≤ 140
p [bar]	≤ 16
T [°C]	≥ +5 - ≤ +50
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Automatic fire-fighting systems consisting of a jockey pump and one or several duty pumps, with electric motor or diesel engine. Includes collecting line, valves, accessories as well as control panels. In accordance with EN 12845, CEA 4001, UNE-23500, NFPA-20, etc.

Applications

Office buildings, hotels, industry, large shopping centres, etc.

FP Diesel Unit / FP Electro Unit



DN	32 - 350
Q [m ³ /h]	≤ 2500
H [m]	≤ 150
p [bar]	≤ 25
T [°C]	≥ +5 - ≤ +50
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Automatic fire-fighting systems consisting of one pump, with electric or diesel motor and control panels. In accordance with EN 12845, CEA 4001, UNE-23500, NFPA-20, etc.

Applications

Office buildings, hotels, industry, large shopping centres, etc.

Control units

Controlmatic E



Number of pumps
V [V]

≤ 1
1~230

Description

Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump

Applications

In water supply systems in combination with MultiEco, Ixo, etc.

<https://www.ksb.com/en-gb/lc/C72A>

Controlmatic E.2



Number of pumps
V [V]

≤ 1
1~230

Description

Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump

Applications

In water supply systems in combination with MultiEco, Ixo, etc.

<https://www.ksb.com/en-gb/lc/C72A>

Cervomatic EDP.2



Number of pumps
V [V]

≤ 1
1~230 / 3~400

Description

Automatic control unit for pressure-controlled starting and either pressure-controlled or flow-controlled stopping and monitoring of a single pump.

Applications

In water supply systems with pumps of the MultiEco, Ixo, etc. type series with single-phase or three-phase motors

<https://www.ksb.com/en-gb/lc/C19A>

LevelControl Basic 2



Number of pumps
P [kW]
V [V]

≤ 2
≤ 22
1~230 / 3~400

Available for higher ratings and other mains voltages on request.

Description

Level control unit for controlling and protecting either one or two pumps. DOL starting up to 4 kW, star-delta starting up to 22 kW. Higher ratings on request.

Applications

Tank drainage using float switches, digital switches, 4...20 mA, pneumatic (without compressor) or bubbler system in building services and waste water applications. Tank filling using float switches, digital switches or 4...20 mA signals in building services and water supply applications.

<https://www.ksb.com/en-gb/lc/L20A>

UPA Control



Number of pumps
P [kW]
V [V]

≤ 1
3
1~230 / 3~400

Description

The KSB switchgear is suitable for level control and protection of submersible borehole pumps, submersible motor pumps and dry-installed pumps with single-phase AC motors 1~230 V or three-phase motors 3~230 / 400 V / 50 Hz. The motor is started DOL. Enclosure: IP56, dimensions: 205 x 255 x 170 mm (H x W x D).


Applications

Irrigation and filling or draining tanks in water supply applications in combination with 4-inch and 6-inch pumps.

<https://www.ksb.com/en-gb/lc/U05A>

Monitoring and diagnosis

AmaControl

	AmaControl connections	Spring-loaded terminals	Description Protection module for water and waste water products as all-in-one device. Depending on the variant, it can be used for motor temperature measurement, bearing temperature measurement, leakage measurement, vibration measurement, voltage measurement and current measurement as well as for diagnosing a pump, pump system or submersible mixer to ensure trouble-free and reliable operation. Applications In water and waste water engineering
	Mounting	35 mm standard rail	
	T [°C]	AmaControl 3 / 4: $\geq -30 - \leq +70$ AmaControl L: $\geq -20 - \leq +60$	
	Dimensions H x W x D [mm]	AmaControl 3 / 4: 127,2x45x113,6 AmaControl L: 127,2x22,5x113,6	
	V [V]	AC 115-230 \pm 10%	
	V [V]	AC/DC 24 \pm 10%	
	https://www.ksb.com/en-gb/lc/A75B		

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