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Product Portfolio 2023

Pumps | Automation



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HGI	61	RVF	65		
HGM	61	RWCP / RWCN	38		
HGM-S	61				
PHP	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	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.
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Product illustrations	The products illustrated as examples may include options and accessories incurring a surcharge. Subject to modifications due to technical enhancements.
Product information	 For information as per chemicals Regulation (EC) No. 1907/2006 (REACH), see https://www.ksb.com/en-global/company/corporate-responsibility/reach .
Digital product catalogue	 https://www.ksb.com/en-gb/global-search
CAD portal	 http://ksb.partcommunity.com
BIM	 https://www.ksb.com/en-gb/software-and-know-how/configuration-tools

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							
Drinking water circulators, variable speed	CalioTherm Pro	28	■					■	
	CalioTherm S Pro	28	■					■	
	Calio S Pro	28	■					■	
	Calio	29	■					■	
Heating circulators, variable speed	Calio Z	29	■					■	
	Calio Pro	29	■					■	
	Calio Pro Z	29	■					■	
	EtaLine Pro	30	■				■	■	
	Etaline	30	■		■		■	■	
	Etaline Z	30	■	■			■	■	
	Etaline-R	30	■	■			■	■	
In-line pumps	ILN	31		■	■	■	■	■	
	ILNC	31		■	■	■	■	■	
	ILNR	31		■	■	■	■	■	
	Megaline	31	■	■	■	■	■	■	
	Etanorm	32	■	■	■	■	■	■	
	Etabloc	32	■	■	■	■	■	■	
	Etachrom B	32	■	■	■	■	■	■	
Standardised / close-coupled pumps	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				■		■	
	RPH-LF	37				■			
	RPHb / RPHd / RPHbd	37				■		■	
	RPH-V	37				■		■	
	CHTR	37				■		■	
Process pumps	CHTRA	38			■	■		■	
	CINCP / CINCN	38				■		■	
	INVCP	38			■	■		■	
	Estiglia	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	■			■		■	
Drainage pumps / grey water pumps	KSB Safety Boost	42	■		■	■		■	
	AmaDrainer 3	43		■				■	
	AmaDrainer 4/5	43		■		■		■	
	AmaDrainer 80/100	43		■				■	
	Ama-Porter F / S	43		■				■	
	Rotex	43				■		■	
Lifting units / package pump stations	MK / MKY	44	■			■		■	
	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	■	■	■				
Vertical turbine pumps	UPA S 200, UPA S 250	56	■	■	■				
	B Pump	56		■	■	■	■		
High-pressure pumps	Comeo	57	■	■	■				■
	Movitec H(S)I	57	■	■	■		■		■
	Movitec	57	■	■	■		■		■
	Movitec VCI	57	■	■	■				
	Multitec	57	■	■	■		■		■
	WKL	58		■	■	■	■		■
	Omega	58	■	■	■	■	■		■
Axially split pumps	RDLO	58	■	■	■	■	■		■
	RDLP	58	■	■	■				
	Vitachrom	59	■	■	■				
Hygienic pumps for the food, beverage and pharmaceutical industries	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					■		
	RTV	65					■		
	RPH-RO	65			■				
Pumps for desalination by reverse osmosis	Multitec-RO	65		■	■	■			
	RC / RCV	65					■		
Positive displacement pumps	FP Electro Diesel Set	66	■		■	■		■	
Fire-fighting systems	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	■	■		■	
	KS Guard	27	■	■	■	■	
	KS Leakage Sensor	27		■			
	AmaControl	68	■	■			

Fluids handled

	CalioTherm S	CalioTherm Pro	CalioTherm S Pro	In-line pumps	Etaline Pro	Standardised / close-coupled pumps	
Drinking water circulators, fixed speed							
Drinking water circulators, variable speed							
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

	Hot water pumps	Hot water / thermal oil pumps	Standardised chemical pumps	Seal-less pumps	Process pumps	
	HPK-L HPH HPK RPH-HW	Etanorm SYT / RSY Etabloc SYT Etaline SYT	MegaCPK CPKN CPKNO	Magnodhem Magnodhem 685 Magnodhem-Bloc Etaseco / Etaseco-I Etaseco RVP	RPH RPH-LF RPHb / RPHbd RPH-V CHTR CINCP / CINCNC INVCP Estigia RNWCN / RWCN WKTR	
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

Fluids handled

	Drainage pumps / grey water pumps	Lifting units / package pump stations	Submersible motor pumps	Vertical turbine pumps	B Pump
	AmaDrainer 3 ■ AmaDrainer 4/5 ■ AmaDrainer 80/100 ■ Ama+Porter F / S ■ Rotex ■ MK / MKY ■	Amadlean ■ 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 ■		
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

Fluids handled

	Submersible borehole pumps	High-pressure pumps	Axially split pumps	Hygienic pumps for the food, beverage and pharmaceutical industries	Pumps for power station conventional islands	
Waste water with faeces	UPA C 100 EE UPA C 100 EN UPA C 150	Comeo Movitec H(S) Movitec			Vitachrom	CHTC / CHTD HGB / HGC / HGD
Waste water without faeces	UPA 200, UPA 250	Movitec VCI			Vitacast / Vitacast Bloc	HGI
Aggressive liquids	UPA 300, UPA 350	Multitec			Vitaprime	HGM
Inorganic liquids	UPA 400 - UPA 1100	WKL			Vitastage	HGM-S
Activated sludge	UPA D				Vitalobe	YNK
Brackish water	UPA S 200, UPA S 250					LUVA
Service water						WKTB
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

Applications

	CalioTherm S	CalioTherm Pro	In-line pumps	EtaLine Pro	Standardised / close-coupled pumps	
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						

Applications

Applications

Applications

Applications

	Submersible pumps in discharge tubes	Mixers / agitators / tank cleaning units	Pumps for solids-laden fluids	Slurry pumps	Self-priming pumps
Aquaculture					
Spray irrigation					
Mining	■	■			
General irrigation	■	■			
Chemical industry	■				
Dock facilities	■				
Drainage	■				
Pressure boosting		■			
Sludge thickening					
Disposal			■		
Dewatering	■	■			
Descaling units	■				
District heating					
Solids transport			■		
Geothermal energy			■		
Fire-fighting systems			■		
Drawdown of groundwater levels			■		
Maintenance of groundwater levels			■		
Domestic water supply			■		
Flood control / coast protection (stormwater)	■				
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					

Applications

	Submersible borehole pumps	High-pressure pumps	Axially split pumps	Hygienic pumps for the food, beverage and pharmaceutical industries	Pumps for power station conventional islands	
Aquaculture	■					CHTC / CHTD
Spray irrigation	■					HGB / HGC / HGD
Mining	■					HGI
General irrigation	■	■				HGM
Chemical industry	■	■				HGM-S
Dock facilities	■	■				YNK
Drainage	■	■				LUVA
Pressure boosting	■	■				WKTB
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 (stormwater)	■					
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	■					
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, UPAS 250	■					
Comeo	■					
Movitec H(S)	■					
Movitec	■					
Movitec VCI	■					
Multitec	■					
WKL	■					
Omega	■					
RDLO	■					
RDLP	■					
Vitachrom	■					
Vitacast / Vitacast Bloc	■					
Vitaprime	■					
Vitastage	■					
Vitalobe	■					

Applications

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. 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/c/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. Applications Exclusively for submersible borehole pumps in the range of 4 to 250 kW.
https://www.ksb.com/en-gb/c/UMA-S			

PumpDrive 2 / PumpDrive 2 Eco

	Number of pumps P [kW] V [V] Frequency inverter	≤ 6 55 3~380 - 480 1 per motor	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. 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/c/P10A			

PumpDrive R

	Number of pumps P [kW] V [V] Frequency inverter	≤ 6 55 3~380 - 480 1 per motor	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). 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/c/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)
https://www.ksb.com/en-gb/lc/L05A			

Drinking water circulators, fixed speed

CalioTherm S

	Rp	1/2	Description
	Q [m³/h]	≤ 0,7	Maintenance-free high-efficiency glandless drinking water circulator, screw-ended, permanent
	H [m]	≤ 1,4	magnet synchronous motor with multiple fixed speed levels, for use in drinking water supply
	p [bar]	≤ 10	systems.
	T [°C]	≥ +5 - ≤ +65	Applications Drinking water circulation systems
Data for 50 Hz operation			https://www.ksb.com/en-gb/lc/C14B

Drinking water circulators, variable speed

CalioTherm Pro

	Rp	1 1/2 - 2	Description
	DN	40	Maintenance-free high-efficiency variable speed glandless drinking water circulator, screw-ended
	Q [m³/h]	≤ 24	or flanged, electric motor and continuously variable differential pressure control for use in
	H [m]	≤ 12	drinking water supply systems and hot water supply systems.
	p [bar]	≤ 10	Applications
T [°C] ≥ +2 - ≤ +70			Drinking water supply systems, hot water supply systems and similar systems in industry and
n [rpm] ≤ 4500			building services (e.g. cooling water recirculation)
Data for 50 Hz operation Also available for 60 Hz			https://www.ksb.com/en-gb/lc/C23A

CalioTherm S Pro

	Rp	1	Description
	Q [m³/h]	≤ 3,5	Maintenance-free high-efficiency variable speed glandless drinking water circulator, screw-
	H [m]	≤ 6	ended, electric motor and continuously variable differential pressure control for use in drinking
	p [bar]	≤ 10	water supply systems and hot water supply systems.
	T [°C]	≥ +2 - ≤ +65	Applications
n [rpm] ≤ 3000			Hot water supply, drinking water circulation systems and similar systems in industry and building
Data for 50 Hz operation Also available for 60 Hz			services (e.g. cooling water recirculation).
https://www.ksb.com/en-gb/lc/C91C			

Heating circulators, variable speed

Calio S Pro

	Rp	1 - 2	Description
	Q [m³/h]	≤ 3,5	Maintenance-free high-efficiency screw-ended glandless pump with high-efficiency electric motor
	H [m]	≤ 8	and continuously variable differential pressure control.
	p [bar]	≤ 10	Applications
	T [°C]	≥ +2 - ≤ +95	Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial
n [rpm] ≤ 3000			recirculation systems
Data for 50 Hz operation Also available for 60 Hz			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	Description
DN	32 - 65	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.
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		

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

Etaline



DN	32 - 200	Description
Q [m³/h]	≤ 700	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.
H [m]	≤ 96	
p [bar]	≤ 16	
T [°C]	≥ -30 - ≤ +140	
Data for 50 Hz operation		
Also available for 60 Hz		

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

Etaline Z



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

Data for 50 Hz operation
Also available for 60 Hz

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

Etaline-R



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

Data for 50 Hz operation
Also available for 60 Hz

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

ILN



DN	65 - 400	Description
Q [m³/h]	≤ 3310	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.
H [m]	≤ 112	
p [bar]	≤ 16	
T [°C]	≥ -20 - ≤ +70	
n [rpm]	≤ 3000	
Data for 50 Hz operation		
Also available for 60 Hz		

Control unit

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

ILNC



DN	32 - 125	Description
Q [m³/h]	≤ 370	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.
H [m]	≤ 112	
p [bar]	≤ 16	
T [°C]	≥ -20 - ≤ +70	
n [rpm]	≤ 3000	
Data for 50 Hz operation		
Also available for 60 Hz		

Control unit

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

ILNR



DN	150 - 350	Description
Q [m³/h]	≤ 1600	Vertical volute casing pump in in-line design, single-stage, with closed single-entry impeller.
H [m]	≤ 93	Equipped with replaceable casing wear rings in pump casing and casing cover. ILNR with flexible coupling.
p [bar]	≤ 10	
T [°C]	≥ -15 - ≤ +70	
n [rpm]	≤ 1450	
Data for 50 Hz operation		
Also available for 60 Hz		

Megaline



DN	32 - 200	Description
Q [m³/h]	≤ 600	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.
H [m]	≤ 135	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +90	
Data for 60 Hz operation		

Control unit

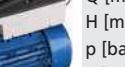
<https://www.ksb.com/en-gb/lc/M51B>

Standardised / close-coupled pumps

Etanorm

	DN Q [m³/h] H [m] p [bar] T [°C]	25 - 150 ≤ 1930 ≤ 160 ≤ 16 ≥ -30 - ≤ +140	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
Data for 50 Hz operation			
Also available for 60 Hz			

Etabloc

	DN Q [m³/h] H [m] p [bar] T [°C]	25 - 150 ≤ 660 ≤ 160 ≤ 16 ≥ -30 - ≤ +140	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
Data for 50 Hz operation			
Also available for 60 Hz			

Etachrom B

	DN	25 - 80	Description
Q [m³/h]	≤ 260	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.	
H [m]	≤ 105		
p [bar]	≤ 12		
T [°C]	≥ -30 - ≤ +110		
Data for 50 Hz operation			
Also available for 60 Hz			

Ftachrom I

	DN	25 - 80	Description
	Q [m³/h]	≤ 260	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 SupreM, 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.
	H [m]	≤ 105	
	p [bar]	≤ 12	
	T [°C]	≥ -30 - ≤ +110	
Data for 50 Hz operation			
Also available for 60 Hz			

Etanorm V

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p> <p style="font-size: small;">Data for 50 Hz operation Also available for 60 Hz</p>	<p>32 - 150 ≤ 625 ≤ 100 ≤ 16 $\geq -15 - \leq +95$</p> <p>Description Single-stage volute casing pump for vertical installation in closed tanks under atmospheric pressure, with ratings to EN 733.</p> <p>Applications Phosphating solutions, lubricating oil supply and sealing oil supply for turbines, generators, large compressors, large gear units</p>
https://www.ksb.com/en-gb/lc/EB5B		

Meganorm

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p> <p style="font-size: small;">Data for 50 Hz operation Also available for 60 Hz</p>	<p>25 - 200 ≤ 1160 ≤ 162 ≤ 16 $\geq -30 - \leq +140$</p> <p>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.</p> <p>Applications Water supply systems, drainage systems, irrigation systems, sugar industry, alcohol industry, air-conditioning systems, building services systems, fire-fighting systems</p>
https://www.ksb.com/en-gb/lc/M52B		

Megabloc

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p> <p style="font-size: small;">Data for 60 Hz operation</p>	<p>25 - 160 ≤ 550 ≤ 140 ≤ 16 $\geq 0 - \leq +90$</p> <p>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.</p> <p>Applications Water supply systems, irrigation systems, air-conditioning systems, building services systems, hotels, shopping centres, etc., fire-fighting systems, cooling circuits, general industry</p>
https://www.ksb.com/en-gb/lc/M44B		

Hot water pumps

HPK-L

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p> <p style="font-size: small;">Data for 50 Hz operation Also available for 60 Hz</p>	<p>25 - 250 ≤ 1160 ≤ 162 ≤ 40 $\geq -40 - \leq +400$</p> <p>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.</p> <p>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</p>
● KSB Leakage Sensor https://www.ksb.com/en-gb/lc/H07B		

HPK

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p> <p style="font-size: small;">Data for 50 Hz operation Also available for 60 Hz</p>	<p>150 - 400 ≤ 4150 ≤ 185 ≤ 40 $\geq 0 - \leq +400$</p> <p>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.</p> <p>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</p>
https://www.ksb.com/en-gb/lc/H02A		

HPH

	<p>DN 40 - 350 Q [m³/h] ≤ 2350 H [m] ≤ 225 p [bar] ≤ 110 T [°C] ≥ 0 - ≤ +320</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Pumping hot water in high-pressure hot water generation plants, as boiler feed or recirculation pump.</p>
https://www.ksb.com/en-gb/lc/H01A		

RPH-HW

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

Hot water / thermal oil pumps**Etanorm SYT / RSY**

	<p>DN 25 - 300 Q [m³/h] ≤ 1900 H [m] ≤ 102 p [bar] ≤ 16 T [°C] ≥ -30 - ≤ +350</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Heat transfer systems, hot water recirculation</p>
 KSB Leakage Sensor		https://www.ksb.com/en-gb/lc/E44B https://www.ksb.com/en-gb/lc/E23A

Etabloc SYT

	<p>DN 25 - 80 Q [m³/h] ≤ 280 H [m] ≤ 68 p [bar] ≤ 16 T [°C] ≥ -30 - ≤ +350</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Heat transfer systems, hot water recirculation</p>
		https://www.ksb.com/en-gb/lc/E10B

Etaline SYT

	<p>DN 32 - 100 Q [m³/h] ≤ 316 H [m] ≤ 69 p [bar] ≤ 16 T [°C] ≥ -30 - ≤ +350</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Heat transfer systems, hot water recirculation</p>
		https://www.ksb.com/en-gb/lc/E12B

Standardised chemical pumps

MegaCPK



DN	25 - 250	Description
Q [m³/h]	≤ 3300	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.
H [m]	≤ 162	
p [bar]	≤ 25	
T [°C]	≥ -40 - ≤ +400	
Data for 50 Hz operation		
Also available for 60 Hz		

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

CPKN



DN	400	Description
Q [m³/h]	≤ 4150	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.
H [m]	≤ 185	
p [bar]	≤ 25	
T [°C]	≥ -40 - ≤ +400	
Data for 50 Hz operation		
Also available for 60 Hz		

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

CPKNO



DN	25 - 160 / 200 - 315	Description
Q [m³/h]	≤ 900	Horizontal volute casing pump in back pull-out design, with semi-open impeller, single-stage, to ISO 2858 / ISO 5199. ATEX-compliant version available.
H [m]	≤ 150	
p [bar]	≤ 25	
T [°C]	≥ -40 - ≤ +400	
Data for 50 Hz operation		
Also available for 60 Hz		

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

Seal-less pumps

Magnochem

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

 <p>DN Q [m³/h] H [m] p [bar] T [°C]</p>	<p>25 - 250 ≤ 1160 ≤ 162 ≤ 40 $\geq -90 - \leq +350$</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	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.
		https://www.ksb.com/en-gb/lc/M08B

Magnochem-Bloc

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

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

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

 <p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p>	<p>25 - 400 ≤ 4150 ≤ 270 ≤ 110 $\geq -70 - \leq +450$</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
		Applications Refineries, petrochemical and chemical industries, power stations, offshore and onshore processes.

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

RPH-LF

 <p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p>	<p>50 ≤ 40 ≤ 339 $\geq -30 - \leq +200$</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
		Applications Refineries, petrochemical and chemical industries; applications with low flow rates.

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

RPHb / RPHd / RPHbd

 <p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p>	<p>80 - 400 ≤ 5100 ≤ 550 ≤ 100 $\geq -80 - \leq +450$</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
		Applications Refineries, petrochemical and chemical industries, offshore and onshore processes.

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

RPH-V

 <p>DN2 / DN3 Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$]</p>	<p>25 - 80 / 40 - 150 ≤ 150 ≤ 240 ≤ 35 $\geq -30 - \leq +274$</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
		Applications Refineries, petrochemical and chemical industries, offshore and onshore processes.

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

CHTR

 <p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$] n [rpm]</p>	<p>50 - 300 ≤ 1450 ≤ 4000 ≤ 400 $\geq -60 - \leq +450$ ≤ 7000</p> <p>Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request</p>	Description
		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	Description
Q [m³/h]	≤ 1200	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.
H [m]	≤ 1550	
p [bar]	≤ 155	
T [°C]	≥ -40 - ≤ +205	
n [rpm]	≤ 6000	
Data for 50 Hz operation		Applications
Also available for 60 Hz		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	Description
Q [m³/h]	≤ 780	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.
H [m]	≤ 105	
p [bar]	≤ 10	
T [°C]	≥ -10 - ≤ +100	
n [rpm]	≤ 3000	
Data for 50 Hz operation		Applications
Also available for 60 Hz		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	Description
Q [m³/h]	≤ 1600	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.
H [m]	≤ 116	
p [bar]	≤ 10	
T [°C]	≥ -10 - ≤ +100	
n [rpm]	≤ 3000	
Data for 50 Hz operation		Applications
Also available for 60 Hz		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	Description
Q [m³/h]	≤ 1160	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.
H [m]	≤ 110	
p [bar]	≤ 16	
T [°C]	≥ -30 - ≤ +100	
n [rpm]	≤ 3000	
Data for 50 Hz operation		Applications
Also available for 60 Hz		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	Description
Q [m³/h]	≤ 700	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.
H [m]	≤ 100	
p [bar]	≤ 16	
T [°C]	≥ -10 - ≤ +100	
n [rpm]	≤ 3000	
Data for 50 Hz operation		Applications
Also available for 60 Hz		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

	<p>DN 40 - 150 Q [m³/h] ≤ 400 H [m] ≤ 500 p [bar] ≤ 51 T [°C] ≥ -40 - ≤ +200 n [rpm] ≤ 3000</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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 (V56). Available in single-stage or multistage configurations and with single suction first-stage impeller.</p> <p>Applications Pumping condensate and other NPSH-critical products in industrial plants, particularly in refineries and petrochemical plants.</p>
https://www.ksb.com/en-gb/lc/W18A		

Domestic water supply / swimming pool pumps

MultiEco

	<p>Rp 1 - 1 1/4 Q [m³/h] ≤ 8 H [m] ≤ 54 p [bar] ≤ 10 T [°C] ≥ +4 - ≤ +50 n [rpm] ≤ 2800</p> <p>Data for 50 Hz operation</p>	<p>Description Multistage self-priming centrifugal pump in close-coupled design.</p> <p>Applications Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.</p>
● Controlmatic, Cervomatic		

MultiEco Pro

	<p>Rp 1 - 1 1/4 Q [m³/h] ≤ 8 H [m] ≤ 54 p [bar] ≤ 10 T [°C] ≥ +4 - ≤ +50 n [rpm] ≤ 2800</p> <p>Data for 50 Hz operation</p>	<p>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.</p> <p>Applications Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.</p>
● ●		

MultiEco Top

	<p>Rp 1 - 1 1/4 Q [m³/h] ≤ 8 H [m] ≤ 54 p [bar] ≤ 10 T [°C] ≥ +4 - ≤ +50 n [rpm] ≤ 2800</p> <p>Data for 50 Hz operation</p>	<p>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.</p> <p>Applications Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.</p>
● ●		

Ixo N

	<p>Rp 1 1/4 Q [m³/h] ≤ 8 H [m] ≤ 65 p [bar] ≤ 10 T [°C] ≥ +5 - ≤ +35 n [rpm] ≤ 2900</p> <p>Data for 50 Hz operation</p>	<p>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.</p> <p>Applications Water supply systems, spray irrigation systems, general irrigation systems, washing plants, rainwater harvesting and water extraction from wells, reservoirs and rainwater storage tanks</p>
● ● Control unit, Cervomatic		

Ixo-Pro

	Rp	1	Description
	Q [m³/h]	≤ 3,9	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.
	H [m]	≤ 60	
	T [°C]	≥ +5 - ≤ +35	
	Data for 50 Hz operation		
	Applications		
	Rainwater harvesting, pressure boosting, water extraction, irrigation systems		

 <https://www.ksb.com/en-gb/lc/I06A>

Filtra N

	Rp	2	Description
	Q [m³/h]	≤ 36	Single-stage self-priming centrifugal pump in close-coupled design.
	H [m]	≤ 21	
	p [bar]	≤ 2,5	
	T [°C]	≥ +4 - ≤ +35	
	n [rpm]	≤ 2800	
	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	1 1/2	Description
	Q [m³/h]	≤ 960	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.
	H [m]	≤ 154	
	p [bar]	≤ 16	
	T [°C]	≥ 0 - ≤ +60	
	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	1 / 1 1/2	Description
	Q [m³/h]	≤ 18	Fully automatic ready-to-connect package single-pump pressure booster system / dual-pump pressure booster system with variable speed system
	H [m]	≤ 55	
	p [bar]	≤ 10	
	T [°C]	≥ 0 - ≤ +40	
	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	1 1/2	Description
	Q [m³/h]	≤ 88	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.
	H [m]	≤ 134	
	p [bar]	≤ 16	
	T [°C]	≥ 0 - ≤ +60	
	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	1 1/2	Description
Q [m³/h]	≤ 88	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.
H [m]	≤ 134	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +60	
Data for 50 Hz operation		

<https://www.ksb.com/en-gb/lc/D08A>

DeltaSolo



Rp	1 1/4	Description
Q [m³/h]	≤ 76	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.
H [m]	≤ 145	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +60	
Data for 50 Hz operation		

<https://www.ksb.com/en-gb/lc/D11A>

DeltaSolo D



Rp	1	Description
DN	100	Fully automatic package single-pump system with 8-litre membrane-type accumulator. The system is started and stopped as a function of pressure.
Q [m³/h]	≤ 110	
H [m]	≤ 160	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +70	
Data for 50 Hz operation		

<https://www.ksb.com/en-gb/lc/H17A>

Hya-Solo D FL



Rp	1	Description
DN	100	Fully automatic package single-pump system. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.
Q [m³/h]	≤ 110	
H [m]	≤ 160	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +70	
Data for 50 Hz operation		

<https://www.ksb.com/en-gb/lc/H16A>

Hya-Duo D FL



Rp	2	Description
DN	150	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.
Q [m³/h]	≤ 110	
H [m]	≤ 160	
p [bar]	≤ 16	
T [°C]	≥ 0 - ≤ +70	
Data for 50 Hz operation		

<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	Description
	Q [m³/h]	≤ 13,5	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.
	H [m]	≤ 11,3	
	T [°C]	≥ 0 - ≤ +70	
Data for 50 Hz operation Also available for 60 Hz			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	Description
	Q [m³/h]	≤ 50	Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 7 m.
	H [m]	≤ 24	
	T [°C]	≥ 0 - ≤ +40	
Data for 50 Hz operation Also available for 60 Hz			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	Description
	DN	100	Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 10 m.
	Q [m³/h]	≤ 130	
	H [m]	≤ 26	
Data for 50 Hz operation Also available for 60 Hz			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	Description
	Q [m³/h]	≤ 40	Vertical single-stage fully floodable submersible grey water pump in close-coupled design (grey cast iron variant), non-explosion-proof.
	H [m]	≤ 16	
	T [°C]	≤ +40	
Data for 50 Hz operation			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	Description
	Q [m³/h]	≤ 24	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.
	H [m]	≤ 14	
	T [°C]	≥ 0 - ≤ +90	
	n [rpm]	≤ 2900	
	Installation depth [m]	≤ 1,7	
	Data for 50 Hz operation		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
DN	50	Vertical submersible pump with three-channel impeller, volute casing designed as inlet strainer.
Q [m³/h]	≤ 36	
H [m]	≤ 19	
T [°C]	≥ -10 - ≤ +200	Applications
n [rpm]	≤ 3500	Pumping condensate and heat transfer fluids below boiling point, condensate return systems, primary and secondary heating circuits, for direct installation in heating tanks or heat exchangers in the secondary circuits of heat transfer systems (MKY).
Installation depth [m]	≤ 2,8	
Data for 50 Hz operation Also available for 60 Hz		

Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/M02A>

Lifting units / package pump stations

Amaclean



Ø [mm]	1000 - 1800	Description
DN	50 - 100	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.
Installation depth [m]	4,5 - 9,0	
		Applications
		Waste water disposal, rainwater disposal

<https://www.ksb.com/en-gb/lc/A15A>

AmaDrainer Box Mini



DN	40	Description
Q [m³/h]	≤ 10	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.
H [m]	≤ 6,5	
T [°C]	≤ +50	Applications
Data for 50 Hz operation		Automatic disposal of waste water from washbasins, showers, washing machines and dishwashers. Use a MiniCompacta sewage lifting unit for handling waste water from urinals and toilets.

<https://www.ksb.com/en-gb/lc/A23A>

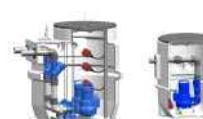
AmaDrainer Box



DN	40 - 50	Description
Q [m³/h]	≤ 46	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
H [m]	≤ 24	
T [°C]	≤ +40	Applications
Data for 50 Hz operation		Automatic disposal of waste water from washbasins, showers, washing machines, garage driveways, basements and rooms prone to flooding
Also available for 60 Hz		

<https://www.ksb.com/en-gb/lc/A23A>

Evamatic-Box N



DN	50 - 65	Description
Q [m³/h]	≤ 40	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)
H [m]	≤ 21	
T [°C]	≤ +40	Applications
Data for 50 Hz operation		Disposal of domestic and municipal waste water occurring below the flood level

<https://www.ksb.com/en-gb/lc/EB7A>

MiniCompacta

 <p>DN Q [m³/h] H [m] T [°C]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>32 - 100 ≤ 36 ≤ 25 ≤ +40</p>	<p>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.</p> <p>Applications Basement flats, bars, basement party rooms, basement saunas, cinemas, theatres, department stores, hospitals, hotels, restaurants, schools.</p>
		https://www.ksb.com/en-gb/lc/M09B

Compacta

 <p>DN Q [m³/h] H [m] T [°C]</p> <p>Data for 50 Hz operation</p>	<p>80 - 100 ≤ 145 ≤ 24,5 ≤ +40</p>	<p>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.</p> <p>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.</p>
		https://www.ksb.com/en-gb/lc/C00B

CK 800 Pump Station

 <p>DN Q [m³/h] H [m] T [°C]</p> <p>Data for 50 Hz operation</p>	<p>32 - 50 ≤ 22 ≤ 49 ≤ +40</p>	<p>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.</p> <p>Applications Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage</p>
		https://www.ksb.com/en-gb/lc/C05A

CK 1000 Pump Station

 <p>DN Q [m³/h] H [m] T [°C]</p> <p>Data for 50 Hz operation</p>	<p>50 - 65 ≤ 40,3 ≤ 37,2 ≤ +40</p>	<p>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.</p> <p>Applications Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage</p>
		https://www.ksb.com/en-gb/lc/C05A

Ama-Porter CK Pump Station

 <p>DN Q [m³/h] H [m] T [°C]</p> <p>Data for 50 Hz operation</p>	<p>50 - 65 ≤ 40 ≤ 16 ≤ +40</p>	<p>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.</p> <p>Applications Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage</p>
		https://www.ksb.com/en-gb/lc/C05A

SRL

DN	65 - 150	Description
Q [m³/h]	≤ 280	Packaged 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.
H [m]	≤ 50	
T [°C]	≤ +40	
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	50 - 100	Description
Q [m³/h]	≤ 200	Dual-pump station as ready-to-connect package system, with collecting tank made of GFRP for buried installation
H [m]	≤ 75	
T [°C]	≤ +40	
Data for 50 Hz operation		Applications
Also available for 60 Hz		Site remediation, disposal of domestic, municipal and industrial waste water, joint sewage disposal for multiple residential units
 AmaControl, LevelControl https://www.ksb.com/en-gb/lc/S90A		

Submersible motor pumps

Amarex

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>50 - 150 ≤ 320 ≤ 42 $\leq +40$</p> <p>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</p>
		https://www.ksb.com/en-gb/lc/A31B

Amarex N

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>32 - 100 ≤ 190 ≤ 49 $\leq +40$</p> <p>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.</p>
		https://www.ksb.com/en-gb/lc/A31A

Amarex KRT

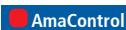
	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$] n [rpm]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>40 - 700 ≤ 10080 ≤ 120 $\leq +60$ ≤ 2900</p> <p>Description Horizontal or vertical single-stage submersible motor pump in close-coupled design, with various next-generation impeller types, 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.</p>
		https://www.ksb.com/en-gb/lc/A30B

Submersible pumps in discharge tubes

Amacan K

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$] n [rpm]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>700 - 1400 ≤ 5400 ≤ 30 $\geq 0 - \leq +40$ ≤ 980</p> <p>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.</p>
		https://www.ksb.com/en-gb/lc/A05A

Amacan P

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$] n [rpm]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>500 - 1500 ≤ 25200 ≤ 12 $\geq 0 - \leq +40$ ≤ 1450</p> <p>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.</p>
		https://www.ksb.com/en-gb/lc/A28A

Amacan S



DN	650 - 1300	Description
Q [m³/h]	≤ 10800	Wet-installed submersible motor pump for installation in discharge tubes, with mixed flow impeller, single-stage. ATEX-compliant version available.
H [m]	≤ 40	
T [°C]	≥ 0 - ≤ +40	
n [rpm]	≤ 1450	Applications
		Pumping water not containing stringy material in irrigation and drainage pumping stations, general water supply systems, water pollution control and flood control.
Data for 50 Hz operation Also available for 60 Hz		

AmaControl

<https://www.ksb.com/en-gb/lcA29A>

Mixers / agitators / tank cleaning units

AmaProp



Propeller Ø [mm]	800 - 2600	Description
T [°C]	$\geq 0 - \leq +40$	Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, with coaxial
Installation depth [m]	≤ 12	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	Description
T [°C]	$\geq 0 - \leq +40$	Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, direct drive.
Installation depth [m]	≤ 30	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	Description
Q [m³/h]	≤ 6600	Wet-installed horizontal propeller pump with submersible motor, equipped with direct drive or
H [m]	$\leq 2,5$	spur gear, ECB propeller with rigid, fibre-repellent blades, bolt-free connection to the discharge
T [°C]	$\geq 0 - \leq +40$	pipe. Explosion-proof version available.
n [rpm]	≤ 1450	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	50 - 700	Description
	Q [m³/h]	≤ 10000	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.
	H [m]	≤ 115	
	p [bar]	≤ 10	
	T [°C]	≤ +70	
	n [rpm]	≤ 2900	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	≤ 1200	Description
	Q [m³/h]	≤ 32400	Vertical volute casing pump with multi-channel impellers (K), discharge flange to DIN and ANSI standards.
	H [m]	≤ 115	
	p [bar]	≤ 16	
	T [°C]	≤ +70	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		

 PumpDrive, LevelControl

<https://www.ksb.com/en-gb/lc/S01B>

Sewabloc

	DN	50 - 200	Description
	Q [m³/h]	≤ 1000	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.
	H [m]	≤ 90	
	p [bar]	≤ 10	
	T [°C]	≤ +70	Applications Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment
	n [rpm]	≤ 2900	
Data for 50 Hz operation Also available for 60 Hz			

 PumpDrive, LevelControl

<https://www.ksb.com/en-gb/lc/S01B>

KWP

	DN	40 - 900	Description
	Q [m³/h]	≤ 15000	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.
	H [m]	≤ 100	
	p [bar]	≤ 10	
	T [°C]	≥ -40 - ≤ +140	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
	n [rpm]	≤ 2900	
Data for 50 Hz operation Also available for 60 Hz			

 PumpDrive

<https://www.ksb.com/en-gb/lc/K07A>

KWP-Bloc

	DN	40 - 100	Description
	Q [m³/h]	≤ 325	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.
	H [m]	≤ 100	
	p [bar]	≤ 10	
	T [°C]	≥ -40 - ≤ +100	Applications Paper industry, cellulose industry, sugar industry, food industry, chemical industry, petrochemical industry, flue gas desulphurisation, industrial engineering, waste water transport
	n [rpm]	≤ 2900	
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] H [m] p [bar] T [°C]	≤ 16200 ≤ 80 ≤ 32 ≥ -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] H [m] p [bar] T [°C]	≤ 13600 ≤ 90 ≤ 16 ≥ -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] H [m] p [bar] T [°C]	≤ 3200 ≤ 90 ≤ 16 ≤ +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] H [m] p [bar] T [°C]	≤ 2560 ≤ 42 ≤ 16 ≤ +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] H [m] p [bar] T [°C]	≤ 18200 ≤ 90 ≤ 45 ≥ -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	Description
H [m]	≤ 77	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.
p [bar]	≤ 11	
T [°C]	≥ +5 - ≤ +120	
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	Description
H [m]	≤ 30	High-flow / low-head white cast iron pump with single-wall casing and high-efficiency impeller.
p [bar]	≤ 10	Single-piece suction cover with integrated mounting plate.
T [°C]	≥ -20 - ≤ +120	Applications
Flue gas desulphurisation systems and process circuits		

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

MHD

Q [m³/h]	≤ 32000	Description
H [m]	≤ 80	Designed to provide high flow / medium head with high efficiency for severe medium-head dredge applications.
p [bar]	≤ 13	
T [°C]	≥ -20 - ≤ +120	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	Description
H [m]	≤ 65	High-flow/low-head design with balanced NPSHR and free passage for high-volume transportation over short distances.
p [bar]	≤ 15	
T [°C]	≥ -20 - ≤ +120	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	Description
H [m]	≤ 51	Pump designed with the latest technology from GIW. Superior wear properties and extremely long service life handling aggressive slurries.
p [bar]	≤ 14	
T [°C]	≥ -20 - ≤ +120	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 [m³/h]	≤ 573	Description
H [m]	≤ 60	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.
p [bar]	≤ 10	
T [°C]	≥ +5 - ≤ +120	

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

HVF

Q [m³/h]	≤ 7200	Description
H [m]	≤ 50	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.
p [bar]	≤ 11	
T [°C]	≤ +120	

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

DWD

Q [m³/h]	≤ 24000	Description
H [m]	≤ 90	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.
p [bar]	≤ 45	
T [°C]	≥ -20 - ≤ +120	

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

TDW

Q [m³/h]	≤ 10500	Description
H [m]	≤ 105	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.
p [bar]	≤ 21	
T [°C]	≥ -20 - ≤ +120	

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

Self-priming pumps

Etaprime L

	DN	25 - 125	Description
Q [m³/h]	≤ 180	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.	
H [m]	≤ 85		
p [bar]	≤ 10		
T [°C]	≥ -30 - ≤ +90		
H _{geo} [m]	≤ 9		
Data for 50 Hz operation Also available for 60 Hz		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	Description
Q [m³/h]	≤ 130	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.	
H [m]	≤ 70		
p [bar]	≤ 10		
T [°C]	≥ -30 - ≤ +90		
H _{geo} [m]	≤ 9		
Data for 50 Hz operation Also available for 60 Hz		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	Description
Q [m³/h]	≤ 21	Self-priming multistage liquid ring pump in close-coupled (EZ B) or long-coupled (EZ L) design, with mechanical seal.	
H [m]	≤ 160		
p [bar]	≤ 16		
T [°C]	≥ -5 - ≤ +80		
n [rpm]	≤ 1500		
Data for 50 Hz operation Also available for 60 Hz		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	Description
Q [m³/h]	≤ 600	Horizontal self-priming centrifugal pump, open or semi-open impeller, adjusted via wear plate, with mechanical seal, ATEX-compliant version available.	
H [m]	≤ 52		
p [bar]	≤ 10		
T [°C]	≥ -10 - ≤ +80		
Data for 50 Hz operation Also available for 60 Hz		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	Description
Q [m³/h]	≤ 53	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.	
H [m]	≤ 37		
p [bar]	≤ 10		
T [°C]	≥ -10 - ≤ +80		
Data for 50 Hz operation Also available for 60 Hz		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

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>100 ≤ 24 ≤ 300 $\leq +30$</p> <p>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.</p> <p>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.</p>
	Control unit, Cervomatic, UPA Control	https://www.ksb.com/en-gb/lc/U04A

UPA C 100 EE

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>100 ≤ 18 ≤ 600 $\leq +30$</p> <p>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.</p> <p>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.</p>
	Control unit, Cervomatic, UPA Control	https://www.ksb.com/en-gb/lc/U04A

UPA C 150

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>150 ≤ 79 ≤ 440 $\leq +50$</p> <p>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.</p> <p>Applications Spray irrigation systems, general irrigation systems, drawdown of groundwater levels, domestic water supply, fountains, heat pump systems, water supply systems</p>
	PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U16A

UPA 200, UPA 250

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>200 - 250 ≤ 330 ≤ 460 $\leq +50$</p> <p>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.</p> <p>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.</p>
	PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U17A https://www.ksb.com/en-gb/lc/U19A

UPA 300, UPA 350

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>300 - 350 ≤ 840 ≤ 480 $\leq +50$</p> <p>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.</p> <p>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.</p>
	PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U20A https://www.ksb.com/en-gb/lc/U21A

UPA 400 - UPA 1100

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>> 400 ≤ 5000 ≤ 300 $\leq +50$</p> <p>Description Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation.</p> <p>Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.</p>
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UPA D

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>> 400 ≤ 5000 ≤ 1500 $\leq +50$</p> <p>Description Multistage double-entry centrifugal pump in ring-section design for vertical or horizontal installation.</p> <p>Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.</p>
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UPA S 200, UPA S 250

	<p>DN Q [m^3/h] H [m] T [$^\circ\text{C}$]</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>200 - 250 ≤ 310 ≤ 380 $\leq +50$</p> <p>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.</p> <p>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.</p>
 PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U17A	

Vertical turbine pumps

B Pump

	<p>DN Q [m^3/h] H [m] p [bar] T [$^\circ\text{C}$] n [rpm]</p> <p>Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request</p>	<p>80 - 500 ≤ 2600 ≤ 160 ≤ 16 $\geq -10 - \leq +105$ ≤ 3000</p> <p>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.</p> <p>Applications Pumping clean water in agriculture, collection and irrigation, public water supply, industry, fire-fighting systems</p>
	https://www.ksb.com/en-gb/lc/B60A	

High-pressure pumps

Comeo

 <p>Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]</p> <p>1 - 1 1/4 ≤ 10,8 ≤ 79,5 ≤ 10 ≥ -10 - ≤ +60 ≤ 2900</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
	Applications
	Water supply, small pressure booster systems, irrigation, cooling

Frequency inverter

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

Movitec H(S)I

 <p>Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]</p> <p>1 1/4 - 2 ≤ 27 ≤ 195 ≤ 25 ≥ -20 - ≤ +140 ≤ 2900</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
	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

 <p>Rp DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]</p> <p>1 - 2 25 - 125 ≤ 160 ≤ 401 ≤ 40 ≥ -20 - ≤ +140 ≤ 2900</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
	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

 <p>Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]</p> <p>1 1/4 - 2 ≤ 22,5 ≤ 249 ≤ 25 ≥ -10 - ≤ +120 ≤ 2900</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	Description
	Applications
	Machine tools, industrial machine systems, condensate transport, paint shops.

KSB SuPremE, PumpDrive

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

Multitec

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

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

Axially split pumps

Omega

	<p>DN 80 - 400</p> <p>Q [m³/h] ≤ 4400</p> <p>H [m] ≤ 210</p> <p>p [bar] ≤ 25</p> <p>T [°C] ≥ 0 - ≤ +140</p> <p>n [rpm] ≤ 2900</p>	<p>Description</p> <p>Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.</p> <p>Applications</p> <p>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>
 PumpDrive, PumpMeter, Frequency inverter https://www.ksb.com/en-gb/lc/O00A		

RDLO

	<p>DN 350 - 700</p> <p>Q [m³/h] ≤ 10000</p> <p>H [m] ≤ 290</p> <p>p [bar] ≤ 30</p> <p>T [°C] ≥ 0 - ≤ +140</p> <p>n [rpm] ≤ 1450</p>	<p>Description</p> <p>Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.</p> <p>Applications</p> <p>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>
 PumpMeter, Frequency inverter https://www.ksb.com/en-gb/lc/R08A		

RDLP

	<p>DN 350 - 1200</p> <p>Q [m³/h] ≤ 18000</p> <p>H [m] ≤ 550</p> <p>p [bar] ≤ 64</p> <p>T [°C] ≥ 0 - ≤ +80</p> <p>n [rpm] ≤ 1450</p>	<p>Description</p> <p>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.</p> <p>Applications</p> <p>Pumping water with a low solids content, e.g. in waterworks and long-distance water supply.</p>
 Frequency inverter https://www.ksb.com/en-gb/lc/R09A		

Hygienic pumps

Vitachrom



DN	50 - 125	Description
Q [m³/h]	≤ 340	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.
H [m]	≤ 100	
p [bar]	≤ 12	
T [°C]	≥ -30 - ≤ +110	
Data for 50 Hz operation		
Also available for 60 Hz		

KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast



DN	32 - 200	Description
Q [m³/h]	≤ 540	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.
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		

KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast Bloc



DN	25 - 150	Description
Q [m³/h]	≤ 340	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.
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		

KSB SuPremE, PumpDrive, PumpMeter

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

Vitaprime



DN	40 - 80	Description
Q [m³/h]	≤ 58	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.
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		

KSB SuPremE, PumpDrive

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

Vitastage



Q [m³/h]	≤ 12,5	Description
H [m]	≤ 150	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.
p [bar]	≤ 16	
T [°C]	≥ -20 - ≤ +140	
Data for 50 Hz operation		Applications
Also available for 60 Hz		Processes with hygienic requirements in the food and beverage industries and in the chemical industry.
Other ratings possible on request		

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

Vitalobe



DN	25 - 200	Description
Q [m³/h]	≤ 342	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.
H [m]	≤ 200	
p [bar]	≤ 20	
T [°C]	≥ -40 - ≤ +180	
Viscosity [cP]	≤ 200000	Accessories include a trolley, a heatable casing or casing cover and a pressure relief arrangement. ATEX-compliant version available.
Data for 50 Hz operation		Applications
Also available for 60 Hz		Hygienic and gentle handling of sensitive or high-viscosity fluids in the food, beverage and pharmaceutical industries, the chemical industry and general process engineering.
Other ratings possible on request		

● KSB SuPremE, PumpDrive

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

Pumps for power station conventional islands

CHTC / CHTD



DN	100 - 700	Description
Q [m³/h]	≤ 5700	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.
H [m]	≤ 5400	
p [bar]	≤ 560	
T [°C]	≤ +270	
n [rpm]	≤ 6750	Applications
Also available for 60 Hz		Pumping feed water and condensate in power stations and industrial plants, generation of pressurised water for bark peeling and descaling units.
Higher ratings possible upon request		

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

HGB / HGC / HGD



DN	40 - 400	Description
Q [m³/h]	≤ 2300	Horizontal radially split ring-section pump with radial impellers, single-entry or double-entry, multistage.
H [m]	≤ 5300	
p [bar]	≤ 560	
T [°C]	≤ +210	
n [rpm]	≤ 7000	Applications
Also available for 60 Hz		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.
Higher ratings possible upon request		

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

HGI

	DN	80 - 150	Description
Q [m³/h]	≤ 600	Horizontal radially split ring-section pump with radial impellers, single-entry, multistage.	
H [m]	≤ 2000	Applications	
p [bar]	≤ 200	Pumping feed water and condensate in power stations and industrial plants.	
T [°C]	≤ +180		
n [rpm]	≤ 3600		
Also available for 60 Hz			

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

HGM

	DN	25 - 125	Description
Q [m³/h]	≤ 390	Horizontal radially split product-lubricated multistage ring-section pump with radial impellers, axial and radial single-entry inlet.	
H [m]	≤ 1400	Applications	
p [bar]	≤ 140	Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.	
T [°C]	≤ +160		
n [rpm]	≤ 3600		
Also available for 60 Hz Higher ratings possible upon request			

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

HGM-S

	DN	25 - 125	Description
Q [m³/h]	≤ 390	Horizontal radially split product-lubricated multistage ring-section pump with radial impellers, axial and radial single-entry inlet.	
H [m]	≤ 1000	Applications	
p [bar]	≤ 100	Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.	
T [°C]	≤ +160		
n [rpm]	≤ 3600		
Also available for 60 Hz Higher ratings possible upon request			

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

YNK

	DN	125 - 600	Description
Q [m³/h]	≤ 5200	Horizontal radially split single-stage double-entry boiler feed booster pump (booster system) with cast steel single or double volute casing.	
H [m]	≤ 540	Applications	
p [bar]	≤ 100	Pumping feed water in power stations and industrial plants.	
T [°C]	≤ +250		
n [rpm]	≤ 3300		
Higher ratings possible upon request			

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

LUVA

	DN	100 - 550	Description
Q [m³/h]	≤ 7000	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.	
H [m]	≤ 300	Applications	
p [bar]	≤ 400	Hot water recirculation in forced-circulation, forced-flow and combined-circulation boilers for very high pressures and in solar power towers.	
T [°C]	≤ +425		
n [rpm]	≤ 3600		
Data for 50 Hz operation Also available for 60 Hz			

<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	Description
Q [m^3/h]	≤ 40000	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.
H [m]	≤ 140	
p [bar]	≤ 175	
T [$^{\circ}C$]	$\leq +350$	
n [rpm]	≤ 1800	

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

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

RSR



DN	≤ 750	Description
Q [m^3/h]	≤ 24000	Vertical single-stage reactor coolant pump with cast or forged casing, shaft supported by motor bearing.
H [m]	≤ 215	
p [bar]	≤ 175	
T [$^{\circ}C$]	$\leq +350$	
n [rpm]	≤ 1800	

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

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

RUV



DN	≤ 650	Description
Q [m^3/h]	≤ 22000	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.
H [m]	≤ 111	
p [bar]	≤ 155	
T [$^{\circ}C$]	$\leq +350$	
n [rpm]	≤ 1800	

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

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

PSR



DN	≤ 600	Description
Q [m^3/h]	≤ 9000	Vertical pump set integrated in the reactor containment floor, seal-less pump with leak-free, low-maintenance wet rotor motor.
H [m]	≤ 45	
p [bar]	≤ 75	
T [$^{\circ}C$]	$\leq +300$	
n [rpm]	≤ 2000	

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

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

RHD



DN	$125 - 500$	Description
Q [m^3/h]	≤ 6500	Horizontal single-stage double-entry main feed water pump MFWP, cast or forged variant.
H [m]	≤ 1000	
p [bar]	≤ 150	
T [$^{\circ}C$]	$\leq +210$	
n [rpm]	≤ 6500	

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

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

LUVm



DN	40 - 600	Description
Q [m³/h]	≤ 7000	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.
H [m]	≤ 300	
p [bar]	≤ 320	
T [°C]	≤ +430	
Data for 50 Hz operation		
Also available for 60 Hz		

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

RHM



DN	≤ 150	Description
Q [m³/h]	≤ 300	Horizontal multistage barrel pull-out pump.
H [m]	≤ 2100	
p [bar]	≤ 220	
T [°C]	≤ +180	
n [rpm]	≤ 8000	
Available for 50 Hz and 60 Hz		
Higher ratings possible upon request		

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

RVM



DN	≤ 85	Description
Q [m³/h]	≤ 50	Vertical multistage barrel pull-out pump.
H [m]	≤ 2000	
p [bar]	≤ 200	
T [°C]	≤ +100	
n [rpm]	≤ 6000	
Available for 50 Hz and 60 Hz		
Higher ratings possible upon request		

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

RHR



DN	≤ 500	Description
Q [m³/h]	≤ 6000	Horizontal circular casing pump with forged or cast pressure boundary and diffuser.
H [m]	≤ 190	
p [bar]	≤ 63	
T [°C]	≤ +200	
n [rpm]	≤ 3600	
Available for 50 Hz and 60 Hz		

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

RVR



DN	≤ 500	Description
Q [m³/h]	≤ 6000	Vertical circular casing pump with forged or cast pressure boundary and diffuser.
H [m]	≤ 190	
p [bar]	≤ 63	
T [°C]	≤ +200	
n [rpm]	≤ 3600	
Available for 50 Hz and 60 Hz		

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

RVT



DN	≤ 350	Description
Q [m^3/h]	≤ 1100	Vertical multistage barrel pull-out pump with double-entry suction impeller and forged distributor casing.
H [m]	≤ 131	
p [bar]	≤ 30	
T [$^{\circ}C$]	$\leq +160$	
n [rpm]	≤ 1485	

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

Pumps for desalination by reverse osmosis

RPH-RO



DN	$100 - 350$	Description
Q [m^3/h]	≤ 2500	Horizontal radially split volute casing pump for dry installation, made of super-duplex stainless steel.
H [m]	≤ 110	
p [bar]	≤ 80	
T [$^{\circ}C$]	$\leq +40$	

Data for 50 Hz operation

Also available for 60 Hz

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

Multitec-RO



DN	$50 - 150$	Description
Q [m^3/h]	≤ 850	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.
H [m]	≤ 1000	
p [bar]	≤ 100	
T [$^{\circ}C$]	$\geq -10 - \leq +45$	
n [rpm]	≤ 3500	

Data for 50 Hz operation

Also available for 60 Hz

KSB SuPreme, PumpDrive

Positive displacement pumps

RC / RCV



DN	$20 - 100$	Description
Q [m^3/h]	≤ 78	Helical gear pump, self-priming, with bypass valve, close-coupled design, for horizontal installation with baseplate or vertical installation. With mechanical seal.
H [m]	≤ 100	
p [bar]	≤ 10	
T [$^{\circ}C$]	$\geq +5 - \leq +80$	
n [rpm]	≤ 1500	

Data for 50 Hz operation

Also available for 60 Hz

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

Fire-fighting systems

FP Electro Diesel Set

	<p>DN 32 - 300 Q [m³/h] ≤ 840 H [m] ≤ 140 p [bar] ≤ 16 T [°C] ≥ +5 - ≤ +50 n [rpm] ≤ 3000</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Office buildings, hotels, industry, large shopping centres, etc.</p>
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FP Diesel Unit / FP Electro Unit

	<p>DN 32 - 350 Q [m³/h] ≤ 2500 H [m] ≤ 150 p [bar] ≤ 25 T [°C] ≥ +5 - ≤ +50 n [rpm] ≤ 3000</p> <p>Data for 50 Hz operation Also available for 60 Hz</p>	<p>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.</p> <p>Applications Office buildings, hotels, industry, large shopping centres, etc.</p>
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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	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 Mounting T [°C]	Spring-loaded terminals 35 mm standard rail AmaControl 3 / 4: ≥ -30 - ≤ +70 AmaControl L: ≥ -20 - ≤ +60	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
Dimensions H x W x D [mm]	AmaControl 3 / 4: 127,2x45x113,6 AmaControl L: 127,2x22,5x113,6		
V [V] V [V]	AC 115-230 ± 10% AC/DC 24 ± 10%		

<https://www.ksb.com/en-gb/c/A75B>

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