› People. Passion. Performance.

KSB

Product Portfolio

Pumps ı Automation

German Standards
BEST OF GERMAN INDUSTRY 2024

Type Series Index

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

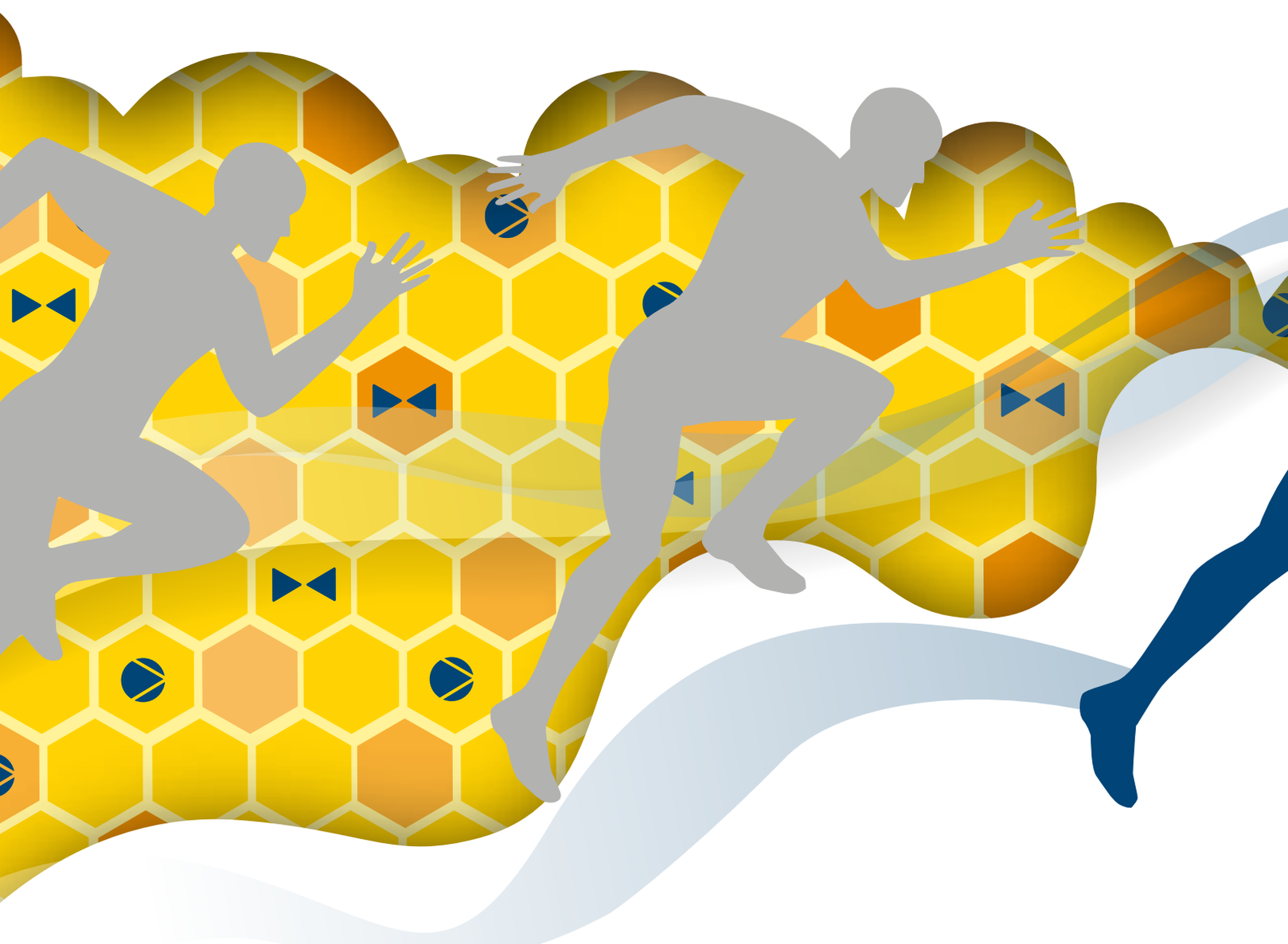
- Quality is when our customers are satisfied: We focus all of our efforts on our customers. Our global customer satisfaction analysis shows us how well we're doing.
- Quality is what every employee delivers: Everyone at KSB plays a part in creating a positive customer experience. To ensure the best 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.

THE GLOBAL COMPACT
WE SUPPORT

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.

Global Champion in the Market

Benefit from our global presence and expertise in the field of fluid handling. As one of the world's leading suppliers of pumps, valves and matching solutions for services and spare parts we help you transport fluids reliably and efficiently as well as optimise your systems.



Our concentrated know-how:
Expertise that overcomes your challenges

With our fluids handling know-how we provide you with solid expertise in everything linked with the transport of any type of liquid. To be able to always offer the best solution for your system, we continuously invest in our employees' further training and development. Our training approach combines professional technical knowledge with practical success.

For you this means that we are always up to date with the latest trends, able to keep the business running, promote innovative ideas and enhance efficiency.

Digitalisation is one of the building blocks – a decisive factor for you to remain competitive. KSB supports you with digital solutions throughout your entire customer journey – from selection through to maintenance.

International presence, local proximity:
Global reach for your regional success

By integrating mechanical components and software intelligence KSB has created innovative and high-quality business models. This is how you can always rely on the latest and most reliable technology being used.

Your satisfaction and the trouble-free operation of your systems are our top priority. With KSB as your partner you benefit from global resources and the experience built over 150 years of company history. We make sure that your system runs smoothly – with a global network of service centres and spare parts supply centres as well as a comprehensive range of servicing and optimisation solutions. We produce spare parts at short notice and to order when required. For this purpose, we have got innovative technologies available, such as 3D printing.

Highest quality guaranteed:
Standards exceeding your expectations

By meeting international standards and our own stringent quality criteria, "Made by KSB" means that you will benefit from products that are durable, efficient and low-maintenance. Quality is not only about our products but also about all the corresponding processes.

Focus on sustainability: Committed to environmental protection and resource efficiency

With our sustainability strategy we are committed to take measures that reduce CO_2 emissions in all our factories and save energy. Taking on responsibility towards the environment and people is a key business principle for KSB and offers you the safety of knowing that you work with products and solutions that meet the principles of sustainability.

By choosing KSB products you opt for technologies that decrease the CO_2 footprint and enhance energy efficiency. You enter into a partnership with a company that sees responsibility towards the environment and society as an integral part of its business philosophy. With KSB you are on a sustainable path.

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.
Trademark rights	All trademarks or company logos shown in the catalogue are protected by trademark rights owned by KSB SE & Co. KGaA and/or a KSB Group company. The absence of the "®" symbol should not be interpreted to mean that the term is not a registered trademark.
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 European 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	■					■	
Heating circulators, variable speed	Calio S Pro	28	■					■	
	Calio	29	■					■	
	Calio Z	29	■					■	
	Calio Pro	29	■					■	
	Calio Pro Z	29	■					■	
In-line pumps	EtaLine Pro	30	■			■		■	
	Etaline	30	■	■		■		■	
	Etaline Z	30	■	■		■		■	
	Etaline-R	30	■	■		■		■	
	ILN	31		■	■	■		■	
	ILNC	31		■	■	■		■	
	ILNR	31		■	■	■		■	
	Megaline	31	■	■	■	■		■	
Standardised / close-coupled pumps	Etanorm	32	■	■	■	■	■	■	
	Etabloc	32	■	■	■	■	■	■	
	Etachrom B	32	■	■	■	■	■	■	
	Etachrom L	32	■	■	■	■	■	■	
	Etanorm V	33	■		■	■	■	■	
	Meganorm	33	■	■	■	■	■	■	
	Megabloc	33	■	■	■	■	■	■	
Hot water pumps	HPK-L	33		■		■	■	■	
	HPH	34		■		■	■	■	
	HPK	33	■	■		■	■	■	
	RPH-HW	34		■		■	■	■	
Hot water / thermal oil pumps	Etanorm SYT / RSY	34		■		■		■	
	Etabloc SYT	34	■	■		■		■	
	Etaline SYT	34	■	■		■		■	
Standardised chemical pumps	MegaCPK	35	■	■		■	■		
	CPKN	35	■	■		■	■		
	CPKNO	35	■	■		■	■		
Seal-less pumps	Magnochem	36	■	■		■	■		
	Magnochem 685	36	■	■		■	■		
	Magnochem-Bloc	36		■		■	■		
	Etaseco	36		■	■	■	■	■	
	Etaseco RVP	36		■	■	■	■	■	
Process pumps	RPH	37				■	■		
	RPH-LF	37				■			
	RPHb / RPHd / RPHbd	37				■	■		
	RPH-V	37				■	■		
	CHTR	37				■	■		
	CHTRa	38			■	■	■		
	CINCP / CINCN	38				■	■		
	INVCP	38			■	■	■		
	Estigia	38			■	■	■		
	RWCP / RWCN	38			■	■	■		
	WKTR	39				■			

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Domestic water supply systems with automatic control unit / swimming pool pumps	MultiEco	39		■	■			■	
	MultiEco Pro	39	■		■				
	MultiEco Top	39	■		■			■	
	Ixo N	39		■	■			■	
	Ixo Pro	40	■		■			■	
	Filtra N	40						■	
Pressure booster systems	DeltaMacro	40	■		■	■		■	
	DeltaCompact	40	■		■			■	
	DeltaBasic	40	■		■	■		■	
	DeltaPrimo	41	■		■	■		■	
	DeltaSolo	41	■		■	■		■	
	DeltaSolo D	41	■		■	■		■	
	HyaSolo 2 D FL	41	■			■		■	
	HyaDuo 2 D FL	41	■			■		■	
	HyaSolo 2 D FL Compact	42	■			■		■	
	HyaDuo 2 D FL Compact	42	■			■		■	
	Surpress Feu SFE	42	■			■		■	
	KSB Safety Boost	42	■		■	■		■	
Drainage pumps / grey water pumps	AmaDrainer 3	42		■				■	
	AmaDrainer 4/5	43		■		■		■	
	AmaDrainer 80/100	43		■				■	
	AmaPorter	43		■				■	
	Rotex	43				■		■	
	MK / MKY	43		■		■		■	
Lifting units / package pump stations	Amaclean	44			■			■	
	AmaDrainer Box Mini	44	■					■	
	AmaDrainer Box	44	■					■	
	Evamatic-Box N	44	■					■	
	MiniCompacta	44	■					■	
	Compacta	45	■			■		■	
	CK 800 Pump Station	45	■		■	■		■	
	CK 1000 Pump Station	45	■		■	■		■	
	Ama-Porter CK Pump Station	45	■		■			■	
	Amaflow Dry	45			■			■	
	SRA	46		■	■			■	
Submersible motor pumps	Amarex	47		■	■	■		■	
	Amarex NS	47		■	■	■		■	
	Amarex KRT	47		■	■	■		■	
Submersible pumps in discharge tubes	Amacan K	47		■	■	■			
	Amacan P	47		■	■	■			
	Amacan S	48		■	■	■			
	AmaCan D	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-H	51				■	■		■
	LCC-M	51				■	■		■
	LCC-R	51				■	■		■
	TBC	52							■
	LCV	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 150	55		■	■	■		■	
	UPA S 200, UPA S 250	55		■	■	■			
	UPA 200 - UPA 350	55		■	■	■			
	UPA 400 - UPA 1100	55		■	■	■			
	UPA D	56		■	■	■			
Vertical turbine pumps	B Pump	56			■	■	■		
High-pressure pumps	Comeo	57		■	■	■		■	
	Movitec H(S)I	57		■	■	■	■	■	
	Movitec	57		■	■	■	■	■	
	Movitec VCI	57		■	■	■			
	Multitec	57		■	■	■	■	■	■
	WKL	58			■	■	■	■	
Axially split pumps	Omega	58		■	■	■	■	■	
	RDLO	58		■	■	■	■	■	
	RDLP	58		■	■				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	59		■	■	■			
	Vitacast	59		■	■	■			
	Vitacast Bloc	59		■	■	■			
	Vitaprime	59		■		■			
	Vitastage	60		■	■	■			
	Vitalobe	60		■		■			
Pumps for power station conventional islands	CHTC / CHTD	60					■		
	HGB / HGC / HGD	60				■	■		
	HGI	61				■	■		
	HGM / HGM-S	61		■		■	■		
	YNK	61					■		
	LUVA	61					■		
	WKTB	61					■		
	SEZ	62			■	■	■		
	SNW	62			■	■	■		
	PNW	62			■	■	■		
	SPY	62			■	■	■		

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Pumps for nuclear power stations	RER	63					■		
	RSR	63					■		
	RUV	63					■		
	PSR	63					■		
	RHD	63					■		
	LUVm	64					■		
	RHM	64					■		
	RVM	64					■		
	RHR	64					■		
	RVR	64					■		
	RVT	65					■		
Pumps for desalination by reverse osmosis	RPH-RO	65			■				
	Multitec-RO	65		■	■	■			
Positive displacement pumps	RC / RCV	65				■			
Fire-fighting systems	FP Electro Diesel Set	66	■		■	■		■	
	FP Diesel Unit / FP Electro Unit	66	■		■	■		■	

Automation and drives

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

Fluids handled

	Drinking water circulators, fixed speed	CalioTherm S	Drinking water circulators, variable speed	CalioTherm Pro	CalioTherm S Pro	Heating circulators, variable speed	Calio S Pro	Calio	Calio Z	Calio Pro	Calio Pro Z	In-line pumps	EtaLine Pro	Etaline	Etaline Z	Etaline-R	ILN	ILNC	ILNR	Megaline	Standardised / close-coupled pumps	Etanorm	Etabloc	Etachrom B	Etachrom L	Etanorm V	Meganorm	Megabloc
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

	Hot water pumps	HPK-L	HPH	HPK	RPH-HW	Hot water / thermal oil pumps	Etanorm SYT / RSY	Etabloc SYT	Etaline SYT	Standardised chemical pumps	MegaCPK	CPKN	CPKNO	Seal-less pumps	Magnochem	Magnochem 685	Magnochem-Bloc	Etaseco	Etaseco RVP	Process pumps	RPH	RPH-LF	RPHb / RPHd / RPHbd	RPH-V	CHTR	CHTRa	CINCP / CINCN	INVCP	Estigia	RWCP / 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

	Domestic water supply systems with automatic control unit / swimming pool pumps						Pressure booster systems											
	MultiEco	MultiEco Pro	MultiEco Top	Ixo N	Ixo Pro	Filtra N	DeltaMacro	DeltaCompact	DeltaBasic	DeltaPrimo	DeltaSolo	DeltaSolo D	HyaSolo 2 D FL	HyaDuo 2 D FL	HyaSolo 2 D FL Compact	HyaDuo 2 D FL Compact	Surpress Feu SFE	KSB Safety Boost
Waste water with faeces																		
Waste water without faeces																		
Aggressive liquids																		
Inorganic liquids																		
Activated sludge																		
Brackish water																		
Service water	■	■	■	■	■													■
Distillate																		
Slurries																		
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Solids (ore, sand, gravel, ash)																		
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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

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

Fluids handled

	Submersible pumps in discharge tubes					Mixers / agitators / tank cleaning units				Pumps for solids-laden fluids						Slurry pumps													Self-priming pumps					
	Amacan K	Amacan P	Amacan S	AmaCan D	Amamix	AmaProp	Amaline	Sewatec	Sewatec SPN	Sewabloc	KWP	KWP-Bloc	WBC	LSA	LCC-H	LCC-M	LCC-R	TBC	LCV	MHD	LHD	MDX	ZW	HVF	DWD	TDW	Etaprime L	Etaprime B	EZ-B/L	AU	AU Monobloc
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

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

Fluids handled

	Pumps for power station conventional islands	SEZ	SNW / PNW	SPY	Pumps for nuclear power stations	RER	RSR	RUV	PSR	RHD	LUVm	RHM	RVM	RHR	RVR	RVT	Pumps for desalination by reverse osmosis	RPH-RO	Multitec-RO	Positive displacement pumps	RC / RCV	Fire-fighting systems	FP Electro Diesel Set	FP Diesel Unit / FP Electro Unit	Drives	KSB SuPremE	KSB UMA-S	Variable speed systems	PumpDrive 2/PumpDrive 2 Eco	PumpDrive R	Monitoring and diagnosis	PumpMeter	KSB Guard	KSB Leakage Sensor		
Waste water with faeces	■			■	■												■			■		■			■	■		■	■	■	■		■			
Waste water without faeces	■			■	■												■			■		■			■	■		■	■	■	■		■			
Aggressive liquids	■				■												■			■		■			■			■			■		■	■		
Inorganic liquids	■				■												■			■		■			■	■		■	■	■	■		■	■		
Activated sludge	■				■												■			■		■			■	■		■	■	■	■		■			
Brackish water	■				■												■	■		■		■			■	■		■	■	■	■		■	■		
Service water	■	■	■	■	■												■			■		■			■		■				■	■	■	■		
Distillate	■				■												■			■		■			■	■		■	■	■	■		■	■		
Slurries	■				■												■			■		■			■	■		■	■	■	■		■			
Explosive liquids	■				■												■			■		■			■	■		■	■	■	■		■			
Digested sludge	■				■												■			■		■			■	■		■	■	■	■		■			
Solids (ore, sand, gravel, ash)	■				■												■			■		■			■	■		■	■	■	■					
Flammable liquids	■				■												■			■		■			■	■		■	■	■	■		■			
River, lake and groundwater	■	■	■	■													■			■		■			■	■	■	■	■	■	■	■	■	■		
Liquefied gas	■				■												■			■		■			■	■		■	■	■	■					
Food and beverages	■				■												■			■		■			■	■		■	■	■	■		■	■		
Gas-containing liquids	■				■												■			■		■			■			■			■		■	■		
Gas turbine fuels	■				■												■			■		■			■			■			■					
Filtered water	■				■												■			■		■			■	■		■	■	■	■	■	■	■		
Geothermal water	■				■												■		■			■			■			■			■		■	■		
Harmful liquids	■				■												■			■		■			■			■			■		■	■		
Toxic liquids	■				■												■			■		■			■	■		■	■	■	■		■	■		
High-temperature hot water	■				■												■			■		■			■	■		■	■	■	■	■	■	■		
Heating water	■				■												■			■		■			■	■		■	■	■	■	■	■	■		
Highly aggressive liquids	■				■												■			■		■			■	■		■	■	■	■		■			
Industrial service water	■	■	■	■	■												■			■		■			■	■	■	■	■	■	■	■	■	■		
Condensate	■			■	■												■			■		■			■	■		■	■	■	■		■	■		
Corrosive liquids	■				■												■			■		■			■	■		■	■	■	■		■	■		
Valuable liquids	■				■												■			■		■			■	■		■	■	■	■		■	■		
Fuels	■				■												■			■	■	■			■	■		■	■	■	■		■	■		
Coolants	■				■	■	■	■	■		■	■	■	■	■	■	■			■		■			■	■		■	■	■	■			■		
Cooling lubricant	■				■												■			■		■			■	■		■	■	■	■		■	■		
Cooling water	■	■	■	■	■									■	■	■	■			■		■			■		■		■			■	■	■	■		
Volatile liquids	■				■												■			■		■			■	■		■	■	■	■		■			
Fire-fighting water	■				■												■			■		■	■	■	■	■	■	■	■	■	■	■	■	■		
Solvents	■				■												■			■		■			■			■			■		■	■		
Seawater	■	■	■		■												■	■	■	■		■			■		■		■			■	■	■		
Oils	■				■												■			■	■	■			■			■			■	■	■	■		
Organic liquids	■				■												■			■		■			■	■		■	■	■	■		■			
Pharmaceutical fluids	■				■												■			■		■			■			■			■		■	■		
Polymerising liquids	■				■												■			■		■			■	■		■	■	■	■		■			
Rainwater / stormwater	■	■	■		■												■			■		■			■	■		■	■	■	■		■	■		
Cleaning agents	■				■												■			■		■			■	■		■	■	■	■	■	■	■		
Raw sludge	■				■												■			■		■			■	■		■	■	■	■		■			
Lubricants	■				■												■			■	■	■			■	■		■	■	■	■		■	■		
Grey water	■				■												■			■		■			■	■		■	■	■	■		■			
Swimming pool water	■				■												■			■		■			■			■			■	■	■	■		
Brine	■				■												■	■	■	■		■			■	■		■	■	■	■		■			
Feed water	■				■					■		■	■				■			■		■			■	■		■	■	■	■					
Dipping paints	■				■												■			■		■			■	■		■	■	■	■					
Drinking water	■				■												■			■		■			■	■	■	■	■	■	■	■	■	■		
Thermal oil	■				■												■			■		■			■	■		■	■	■	■		■	■		
Hot water	■				■												■			■		■			■	■		■	■	■	■	■	■	■		
Wash water	■				■												■			■		■			■			■			■	■	■	■		

Applications

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

Applications

	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	Magnochem	Magnochem 685	Magnochem-Bloc	Etaseco	Etaseco RVP	RPH	RPH-LF	RPHb / RPHd / RPHbd	RPH-V	CHTR	CHTRa	CINCP / CINCN	INVCP	Estigia	RWCP / RWCN	WKTR							
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 (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

	Domestic water supply systems with automatic control unit / swimming pool pumps							Pressure booster systems															
	MultiEco	MultiEco Pro	MultiEco Top	Ixo N	Ixo Pro	Filtra N		DeltaMacro	DeltaCompact	DeltaBasic	DeltaPrimo	DeltaSolo	DeltaSolo D	HyaSolo 2 D FL	HyaDuo 2 D FL	HyaSolo 2 D FL Compact	HyaDuo 2 D FL Compact	Surpress Feu SFE	KSB Safety Boost				
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 (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

	Drainage pumps / grey water pumps	AmaDrainer 3	AmaDrainer 4/5	AmaDrainer 80/100	AmaPorter	Rotex	MK / MKY	Lifting units / package pump stations	Amaclean	AmaDrainer Box Mini	AmaDrainer Box	Evamatic-Box N	MiniCompacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	Amaflow Dry	SRA	Submersible motor pumps	Amarex	Amarex NS	Amarex KRT	Vertical turbine pumps	B Pump
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 (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 pumps in discharge tubes	Amacan K	Amacan P	Amacan S	AmaCan D	Mixers / agitators / tank cleaning units	Amamix	AmaProp	Amaline	Pumps for solids-laden fluids	Sewatec	Sewatec SPN	Sewabloc	KWP	KWP-Bloc	Slurry pumps	WBC	LSA	LCC-H	LCC-M	LCC-R	TBC	LCV	MHD	LHD	MDX	ZW	HVF	DWD	TDW	Self-priming pumps	Etaprime L	Etaprime B	EZ-B/L	AU	AU Monobloc
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											
		UPA C 100 EE	UPA C 150	UPA S 200, UPA S 250	UPA 200 - UPA 350	UPA 400 - UPA 1100	UPA D		Comeo	Movitec H(S)I	Movitec	Movitec VCI	Multitec	WKL		Omega	RDLO	RDLP		Vitachrom	Vitacast/Vitacast Bloc	Vitaprime	Vitastage	Vitalobe		CHTC / CHTD	HGB / HGC / HGD	HGI	HGM / HGM-S	YNK	LUVA	WKTB					
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 (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

	Pumps for power station conventional islands	SEZ	SNW / PNW	SPY	Pumps for nuclear power stations	RER	RSR	RUV	PSR	RHD	LUVm	RHM	RVM	RHR	RVR	RVT	Pumps for desalination by reverse osmosis	RPH-RO	Multitec-RO	Positive displacement pumps	RC / RCV	Fire-fighting systems	FP Electro Diesel Set	FP Diesel Unit / FP Electro Unit	Drives	KSB SuPremE	KSB UMA-S	Variable speed systems	PumpDrive 2/PumpDrive 2 Eco	PumpDrive R	Monitoring and diagnosis	PumpMeter	KSB Guard	KSB Leakage Sensor
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 (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																										■	■		■	■			■	

Drive, variable speed system and monitoring

KSB SuPremE

Number of pumps	≤ 1
V [V]	Power supply via PumpDrive / PumpDrive R only

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/lc/SD8C

KSB UMA-S

Number of pumps	≤ 1
V [V]	3~400
Other mains voltages on request	

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.

PumpDrive 2 / PumpDrive 2 Eco

Number of pumps	≤ 6
P [kW]	55
V [V]	3~380 - 480
Frequency inverter	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/lc/P10A

PumpDrive R

Number of pumps	≤ 6
P [kW]	55
V [V]	3~380 - 480
Frequency inverter	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/lc/K01A

Not available for worldwide sale

PumpMeter

Number of pumps	≤ 1	
V [V DC]	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	≤ 40 (per gateway)	
V [V AC]	110 - 240 (gateway)	

Description
The smart and comprehensive monitoring service for pumps and other rotating machinery, easy to retrofit during operation, also suitable for non-KSB pumps. Benefit from predictive maintenance with KSB: comprehensive transparency, increased availability, enhanced operating reliability and efficient operation. Important functional 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 Guard Monitoring Centre also provide support in analysing causes. Also available as ATEX-compliant version.

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

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

KSB Leakage Sensor

Installation type	Stationary	
T [°C]	≥ -30 - ≤ +350	

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

Applications
Industry (heat transfer fluid market)

KSB Leakage Sensor

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

Drinking water circulators, fixed speed

CalioTherm S

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

Data for 50 Hz operation

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

Applications
Drinking water circulation systems

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

Drinking water circulators, variable speed

CalioTherm Pro

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

Data for 50 Hz operation
Also available for 60 Hz

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

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

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

CalioTherm S Pro

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

Data for 50 Hz operation
Also available for 60 Hz

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

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

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

Heating circulators, variable speed

Calio S Pro

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

Data for 50 Hz operation
Also available for 60 Hz

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

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

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

Not available for worldwide sale · Factory-automated · Automation available

Calio

G	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

G	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

G	1 1/2 - 2
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

G	2
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

G	1 1/2
DN	25 - 65
Q [m³/h]	≤ 63,6
H [m]	≤ 42,9
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +120
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Etaline

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

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

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

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

Etaline Z

DN	32 - 200
Q [m³/h]	≤ 1095
H [m]	≤ 38,5
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Etaline-R

DN	150 - 350
Q [m³/h]	≤ 1900
H [m]	≤ 93
p [bar]	≤ 25
T [°C]	≥ -30 - ≤ +140
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Vertical close-coupled in-line pump with volute casing and magnetless KSB SuPremE motor of efficiency class IE4/IE5 and PumpDrive variable speed system.

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

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

ILN

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

Control unit

https://www.ksb.com/en-gb/lc/I15A

ILNC

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

Control unit

https://www.ksb.com/en-gb/lc/I16A

ILNR

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

Megaline

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

Data for 60 Hz operation

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

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

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

Standardised / close-coupled pumps

Etanorm

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

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

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

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

Etabloc

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

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

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

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

Etachrom B

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

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

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

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

Etachrom L

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

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

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

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

Not available for worldwide sale · Factory-automated · Automation available

Etanorm V

DN	32 - 150
Q [m³/h]	≤ 625
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -15 - ≤ +95
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage volute casing pump for vertical installation in closed tanks under atmospheric pressure, with ratings to EN 733.
Applications
Phosphating solutions, lubricating oil supply and sealing oil supply for turbines, generators, large compressors, large gear units

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

Meganorm

DN	25 - 200
Q [m³/h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 2858/ISO 5199. Available with cylindrical or conical shaft seal chamber.
Applications
Water supply systems, drainage systems, irrigation systems, sugar industry, alcohol industry, air-conditioning systems, building services systems, fire-fighting systems

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

Megabloc

DN	25 - 160
Q [m³/h]	≤ 550
H [m]	≤ 140
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +90
Data for 60 Hz operation	

Description
Volute casing pump for horizontal or vertical installation, back pull-out design, single-stage, radially split volute casing, flanged or screw-ended (optional), replaceable casing wear rings. Volute casing with closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756.
Applications
Water supply systems, irrigation systems, air-conditioning systems, building services systems, hotels, shopping centres, etc., fire-fighting systems, cooling circuits, general industry

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

Hot water pumps

HPK-L

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

Description
Horizontal radially split volute casing pump in back pull-out design to ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. Equipped with heat barrier, seal chamber air-cooled by integrated fan impeller, no external cooling. ATEX-compliant version available.
Applications
Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems

KSB Leakage Sensor

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

HPK

DN	150 - 400
Q [m³/h]	≤ 4150
H [m]	≤ 185
p [bar]	≤ 40
T [°C]	≥ 0 - ≤ +400
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to ISO 2858 / ISO 5199. Optional TRD type testing by TÜV. ATEX-compliant version available.
Applications
Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems

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

HPH

DN	40 - 350
Q [m³/h]	≤ 2350
H [m]	≤ 225
p [bar]	≤ 110
T [°C]	≥ 0 - ≤ +320
Data for 50 Hz operation	
Also available for 60 Hz	

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.

Applications
Pumping hot water in high-pressure hot water generation plants, as boiler feed or recirculation pump.

https://www.ksb.com/en-gb/lc/H01A

RPH-HW

DN	25 - 300
Q [m³/h]	≤ 1800
H [m]	≤ 270
p [bar]	≤ 110
T [°C]	≥ 0 - ≤ +320
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal radially split single-stage single-suction volute casing pump in back pull-out design, with centreline pump feet and radial impeller.

Applications
Recirculating hot water in industrial plants and small to medium-sized power plants.

https://www.ksb.com/en-gb/lc/R48A

Hot water / thermal oil pumps

Etanorm SYT / RSY

DN	25 - 300
Q [m³/h]	≤ 1900
H [m]	≤ 102
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350
Data for 50 Hz operation	
Also available for 60 Hz	

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.

Applications
Heat transfer systems, hot water recirculation

KSB Leakage Sensor

https://www.ksb.com/en-gb/lc/E44B
https://www.ksb.com/en-gb/lc/E23A

Etabloc SYT

DN	25 - 80
Q [m³/h]	≤ 280
H [m]	≤ 68
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350
Data for 50 Hz operation	
Also available for 60 Hz	

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.

Applications
Heat transfer systems, hot water recirculation

https://www.ksb.com/en-gb/lc/E10B

Etaline SYT

DN	32 - 100
Q [m³/h]	≤ 316
H [m]	≤ 69
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor (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.

Applications
Heat transfer systems, hot water recirculation

https://www.ksb.com/en-gb/lc/E12B

Not available for worldwide sale · Factory-automated · Automation available

Standardised chemical pumps

MegaCPK

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

Description
Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 5199, dimensions to DIN EN ISO 2858, complemented by nominal diameters DN25 and ≥DN200, in large range of material and seal variants; also available as a variant with "wet" shaft and conical seal chamber. ATEX-compliant version available.

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

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

CPKN

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

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

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

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

CPKNO

DN	25 - 160 / 200 - 315
Q [m³/h]	≤ 900
H [m]	≤ 150
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Seal-less pumps

Magnochem

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

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

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

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

Magnochem 685

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

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

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

Magnochem-Bloc

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

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

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

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

Etaseco

DN	32 - 80
Q [m³/h]	≤ 250
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -40 - ≤ +140
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Etaseco RVP

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

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

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

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

Not available for worldwide sale · Factory-automated · Automation available

Process pumps

RPH

DN	25 - 400
Q [m³/h]	≤ 4150
H [m]	≤ 270
p [bar]	≤ 110
T [°C]	≥ -70 - ≤ +450

Data for 50 Hz operation

Also available for 60 Hz

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

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

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

RPH-LF

DN	50
Q [m³/h]	≤ 40
H [m]	≤ 339
T [°C]	≥ -30 - ≤ +200

Data for 50 Hz operation

Also available for 60 Hz

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

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

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

RPHb / RPHd / RPHbd

DN	40 - 400
Q [m³/h]	≤ 5100
H [m]	≤ 680
p [bar]	≤ 100
T [°C]	≥ -80 - ≤ +450

Data for 50 Hz operation

Also available for 60 Hz

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

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

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

RPH-V

DN2 / DN3	25 - 80 / 40 - 150
Q [m³/h]	≤ 150
H [m]	≤ 240
p [bar]	≤ 35
T [°C]	≥ -30 - ≤ +274

Data for 50 Hz operation

Also available for 60 Hz

Description
Vertical single-stage sump pump to API 610 and ISO 13709 (heavy duty), type VS4, with integral thrust bearing assembly and separate discharge line. ATEX-compliant version available.

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

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

CHTR

DN	50 - 300
Q [m³/h]	≤ 1450
H [m]	≤ 4000
p [bar]	≤ 400
T [°C]	≥ -60 - ≤ +450
n [rpm]	≤ 7000

Data for 50 Hz operation

Also available for 60 Hz

Higher ratings possible upon request

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

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

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

CHTRa

DN	80 - 300
Q [m³/h]	≤ 1200
H [m]	≤ 1550
p [bar]	≤ 155
T [°C]	≥ -40 - ≤ +205
n [rpm]	≤ 6000
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

CINCP / CINCN

DN	32 - 200
Q [m³/h]	≤ 780
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

https://www.ksb.com/en-gb/lc/C39A
https://www.ksb.com/en-gb/lc/C40A

INVCP

DN	32 - 300
Q [m³/h]	≤ 1600
H [m]	≤ 116
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Estigia

DN	25 - 250
Q [m³/h]	≤ 1160
H [m]	≤ 110
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +100
n [rpm]	≤ 3000
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

KSB SuPremE, PumpDrive, Frequency inverter

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

RWCP / RWCN

DN	50 - 200
Q [m³/h]	≤ 700
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +100
n [rpm]	≤ 3000
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

https://www.ksb.com/en-gb/lc/R66A
https://www.ksb.com/en-gb/lc/R65A

WKTR

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

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

Domestic water supply / swimming pool pumps

MultiEco

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

Data for 50 Hz operation

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

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

Controlmatic, Cervomatic

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

MultiEco Pro

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

Data for 50 Hz operation

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

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

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

MultiEco Top

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

Data for 50 Hz operation

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

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

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

Ixo N

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

Data for 50 Hz operation

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

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

Control unit, Cervomatic

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

Ixo Pro

Rp	1
Q [m³/h]	≤ 3,9
H [m]	≤ 60
T [°C]	≥ +5 - ≤ +40

Data for 50 Hz operation

Description
Multistage submersible borehole pump with integrated pressure switch, flow sensor and lift check valve. Electronic dry running protection with four consecutive start-up attempts; integrated capacitor. 15-metre H07 RN-F power cable with shockproof plug included.

Applications
Rainwater harvesting, pressure boosting, water extraction, irrigation systems

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

Filtra N

Rp	2
Q [m³/h]	≤ 36
H [m]	≤ 21
p [bar]	≤ 2,5
T [°C]	≥ +4 - ≤ +35
n [rpm]	≤ 2800

Data for 50 Hz operation

Description
Single-stage self-priming centrifugal pump in close-coupled design.

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
Q [m³/h]	≤ 960
H [m]	≤ 154
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60

Data for 50 Hz operation

Description
Fully automatic package pressure booster system with two to four (F) / six (VC/SVP) vertical high-pressure pumps; available in cascade-controlled and two variable speed designs. Cascade control (F) for ensuring the required supply pressure. The VC and SVP versions ensure variable speed control of each pump by cabinet-mounted frequency inverter (VC) or motor-mounted PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with KSB BoosterCommand Pro Plus.

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
Q [m³/h]	≤ 18
H [m]	≤ 55
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +40

Data for 50 Hz operation

Description
Fully automatic ready-to-connect package single-pump pressure booster system / dual-pump pressure booster system with variable speed system

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
Q [m³/h]	≤ 88
H [m]	≤ 134
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60

Data for 50 Hz operation

Description
Fully automatic pressure booster system with two to three (MVP) / four (SVP) vertical high-pressure pumps in two variable speed versions. The MVP and SVP variable speed versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or by PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Equipped with a central fuse box.

Applications
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.

https://www.ksb.com/en-gb/lc/D07A

Not available for worldwide sale · Factory-automated · Automation available

DeltaPrimo

Rp	1 1/2
Q [m³/h]	≤ 88
H [m]	≤ 134
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60
Data for 50 Hz operation	

Description
Fully automatic package pressure booster system with two to three (VC) / four (F/SVP) vertical high-pressure pumps; available in cascade-controlled and two variable speed designs. Cascade control (F) for ensuring the required supply pressure. The VC and SVP versions ensure variable speed control of each pump by cabinet-mounted frequency inverter (VC) or motor-mounted PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with KSB BoosterCommand Pro.

Applications
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.

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

DeltaSolo

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

Description
Fully automatic single-pump system available in two variable speed versions. The MVP and SVP variable speed versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or by PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure.

Applications
Water supply systems for residential buildings and office buildings, irrigation systems and rainwater harvesting systems, service water supply systems, in trade and industry.

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

DeltaSolo D

Rp	1
DN	100
Q [m³/h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

Description
Fully automatic package single-pump system with 8-litre membrane-type accumulator. The system is started and stopped as a function of pressure.

Applications
Water supply systems for residential and office buildings, irrigation and spray irrigation, rainwater harvesting and service water supply systems in trade and industry.

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

HyaSolo 2 D FL

Rp	1
DN	100
Q [m³/h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

Description
Fully-automatic and ready-to-connect single-pump system for fire-fighting applications to DIN 14462:2023-07, in modular design. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation.

Applications
Fire-fighting systems to DIN 14462

https://www.ksb.com/en-gb/lc/H16B

HyaDuo 2 D FL

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

Description
Fully automatic and ready-to-connect fire-fighting system for fire-fighting applications to DIN 14462:2023-07, modular design, comprising a dual-pump system with redundant function, mounted on the same baseplate. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation.

Applications
Fire-fighting systems to DIN 14462

https://www.ksb.com/en-gb/lc/H44B

HyaSolo 2 D FL Compact

DN	50 - 80
Q [m³/h]	≤ 36
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +30
Data for 50 Hz operation	

Description
Compact, fully automatic and ready-to-connect break tank package booster set for fire-fighting applications to DIN 14462:2023-07, modular design, comprising a single-pump system and a break tank for the hygienic separation of drinking water and fire-fighting water, mounted on the same base frame. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation.

Applications
Break tank package booster set for fire fighting to DIN 14462

https://www.ksb.com/en-gb/lc/H45B

HyaDuo 2 D FL Compact

DN	50 - 80
Q [m³/h]	≤ 36
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +30
Data for 50 Hz operation	

Description
Compact, fully automatic and ready-to-connect break tank package booster set for fire-fighting applications to DIN 14462:2023-07, modular design, comprising a dual-pump system with redundant function and a break tank for the hygienic separation of drinking water and fire-fighting water, mounted on separable base frames. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation.

Applications
Break tank package booster set for fire fighting to DIN 14462

https://www.ksb.com/en-gb/lc/H46B

Surpress Feu SFE

Rp	2 1/2
Q [m³/h]	≤ 40
H [m]	≤ 76
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

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

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

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

KSB Safety Boost

DN	32
Q [m³/h]	≤ 7
H [m]	≤ 75
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +30
Data for 50 Hz operation	

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

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

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

Drainage pumps / grey water pumps

AmaDrainer 3

Rp	1 1/4 - 1 1/2
Q [m³/h]	≤ 13,5
H [m]	≤ 11,3
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

Control unit, LevelControl

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

Not available for worldwide sale · Factory-automated · Automation available

AmaDrainer 4/5

Rp	1 1/2 - 2
Q [m³/h]	≤ 50
H [m]	≤ 24
T [°C]	≥ 0 - ≤ +40
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

Control unit, LevelControl https://www.ksb.com/en-gb/lc/A76A

AmaDrainer 80/100

Rp	2 1/2
DN	100
Q [m³/h]	≤ 130
H [m]	≤ 26
T [°C]	≥ 0 - ≤ +50
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

Control unit, LevelControl https://www.ksb.com/en-gb/lc/A76A

AmaPorter

DN	50 - 80
Q [m³/h]	≤ 127,1
H [m]	≤ 36,9
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Vertical single-stage submersible motor pump (grey cast iron) for waste water in close-coupled design for wet installation, stationary or transportable version.

Applications
For handling untreated waste water with low levels of solids concentration and rainwater in intermittent operation and for sump drainage

Control unit, LevelControl https://www.ksb.com/en-gb/lc/A10A

Rotex

Rp	1 1/4 - 2
Q [m³/h]	≤ 24
H [m]	≤ 14
T [°C]	≥ 0 - ≤ +90
n [rpm]	≤ 2900
Installation depth [m]	≤ 1,7
Data for 50 Hz operation	

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

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

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

MK / MKY

Rp	2
DN	50
Q [m³/h]	≤ 36
H [m]	≤ 19
T [°C]	≥ -10 - ≤ +200
n [rpm]	≤ 3500
Installation depth [m]	≤ 2,8
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Vertical submersible pump with three-channel impeller, volute casing designed as inlet strainer.

Applications
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).

Control unit, LevelControl https://www.ksb.com/en-gb/lc/M02A

Lifting units / package pump stations

Amaclean

Ø [mm]	1000 - 1800
DN	50 - 100
Installation depth [m]	4,5 - 9,0

Description
Self-cleaning tank insert for grouted installation in new concrete structures or in concrete structures in need of refurbishment. Designed to prevent soiling of the structure and clogging of the pumps by heavily waste or fibre loaded waste water. Suitable for pump stations emitting unpleasant odours and/or gases.
Applications
Waste water disposal, rainwater disposal

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

AmaDrainer Box Mini

DN	40
Q [m³/h]	≤ 10
H [m]	≤ 6,5
T [°C]	≤ +50
Data for 50 Hz operation	

Description
Reliable and compact grey water lifting unit in a modern design with activated carbon filter meeting hygiene requirements and with shower connection as standard; complies with EN 12050-2.
Applications
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

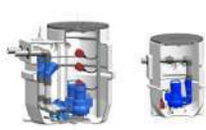
AmaDrainer Box

DN	40 - 50
Q [m³/h]	≤ 46
H [m]	≤ 24
T [°C]	≤ +40
Data for 50 Hz operation Also available for 60 Hz	

Description
Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, with floor drain and odour trap, both with AmaDrainer submersible motor pump starting and stopping automatically and swing check valve
Applications
Automatic disposal of waste water from washbasins, showers, washing machines, garage driveways, basements and rooms prone to flooding

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

Evamatic-Box N

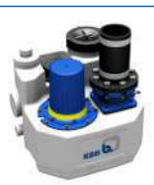


DN	50 - 65
Q [m³/h]	≤ 40
H [m]	≤ 21
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Floodable lifting unit for domestic waste water, equipped with either one or two pumps of type AmaPorter F (vortex impeller) or AmaPorter S (cutter)
Applications
Disposal of domestic and municipal waste water occurring below the flood level

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

MiniCompacta



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

Description
Floodable single-pump sewage lifting unit or dual-pump sewage lifting unit for automatic disposal of domestic waste water and faeces in building sections below the flood level.
Applications
Basement flats, bars, basement party rooms, basement saunas, cinemas, theatres, department stores, hospitals, hotels, restaurants, schools.

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

Compacta

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

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

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

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

CK 800 Pump Station

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

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

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

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

CK 1000 Pump Station

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

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

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

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

Ama-Porter CK Pump Station

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

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

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

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

Amaflow Dry

DN	65 - 150
Q [m³/h]	≤ 280
H [m]	≤ 50
T [°C]	≤ +40
Data for 50 Hz operation	

Description
Package pump station with tank made of glass fibre reinforced polyester, equipped with two dry-installed Sewabloc pumps with a rating of 2.2 to 30 kW, integrated valves and a control unit with frequency inverters. Pump operation is adjusted in line with flow rate demand, thus minimising energy costs. This maintenance-friendly pump station prevents intermediate storage of waste water and the related odour nuisance.

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
Q [m³/h]	≤ 200
H [m]	≤ 75
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description
Dual-pump station as ready-to-connect package system, with collecting tank made of GFRP for buried installation

Applications
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

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

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

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

Control unit, LevelControl https://www.ksb.com/en-gb/lc/A31B

Amarex NS

DN	32 - 50
Q [m³/h]	≤ 22
H [m]	≤ 49
T [°C]	≤ +40
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

Control unit, LevelControl https://www.ksb.com/en-gb/lc/A31A

Amarex KRT

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

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

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

PumpDrive, AmaControl, LevelControl https://www.ksb.com/en-gb/lc/A30B

Submersible pumps in discharge tubes

Amacan K

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

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

Applications
For handling pre-treated, chemically neutral waste water, industrial and waste water, For non-stringy fluids cleaned by screen or overflow threshold, as waste water, mixed water and activated sludge pumps in waste water treatment plants, irrigation and drainage pumping stations.

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

Amacan P

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

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

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

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

Amacan S

DN	650 - 1300
Q [m³/h]	≤ 10800
H [m]	≤ 40
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

AmaCan D

DN	600 - 1000
Q [m³/h]	≤ 8000
H [m]	≤ 29
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450
Data for 50 Hz operation	
Also available for 60 Hz	

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

Applications
In irrigation and drainage pumping stations, rainwater pumps, raw and clean water pumps in water works and waste water treatment plants. Cooling water pumps in power stations and industry, industrial water supply, mechanically pre-treated waste water, water pollution control, flood control and aquaculture

PumpDrive, AmaControl https://www.ksb.com/en-gb/lc/A43A

Mixers / agitators / tank cleaning units

AmaProp

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

Also available for 60 Hz

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

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

AmaControl

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

Amamix

Propeller Ø [mm]	200 - 600
T [°C]	≥ 0 - ≤ +40
Installation depth [m]	≤ 30

Data for 50 Hz operation

Also available for 60 Hz

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

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

AmaControl

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

Amaline

DN	200 - 800
Q [m^3/h]	≤ 6600
H [m]	≤ 2,5
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation

Also available for 60 Hz

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

Applications
Recirculating activated sludge in waste water treatment systems.

AmaControl

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

Pumps for solids-laden fluids

Sewatec

DN	50 - 700
Q [m³/h]	≤ 10000
H [m]	≤ 115
p [bar]	≤ 10
T [°C]	≤ +70
n [rpm]	≤ 2900
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available.
Applications
Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment

PumpDrive, AmaControl, LevelControl https://www.ksb.com/en-gb/lc/S02B

Sewatec SPN

DN	≤ 1200
Q [m³/h]	≤ 32400
H [m]	≤ 115
p [bar]	≤ 16
T [°C]	≤ +70
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Vertical volute casing pump with multi-channel impellers (K), discharge flange to DIN and ANSI standards.
Applications
Waste water transport, waste water disposal, waste water management, transport of contaminated surface water

Sewabloc

DN	50 - 200
Q [m³/h]	≤ 1000
H [m]	≤ 90
p [bar]	≤ 10
T [°C]	≤ +70
n [rpm]	≤ 2900
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Close-coupled volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available.
Applications
Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment

PumpDrive, LevelControl https://www.ksb.com/en-gb/lc/S01B

KWP

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

Description
Horizontal radially split volute casing pump in back pull-out design, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller. ATEX-compliant version available.
Applications
Paper industry, cellulose industry, sugar industry, food industry, power plants, chemical industry, petrochemical industry, flue gas desulphurisation, coal upgrading plants, industrial engineering, waste water transport, seawater desalination / reverse osmosis

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

KWP-Bloc

DN	40 - 100
Q [m³/h]	≤ 325
H [m]	≤ 100
p [bar]	≤ 10
T [°C]	≥ -40 - ≤ +100
n [rpm]	≤ 2900
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal or vertical radially split close-coupled volute casing pump, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller.
Applications
Paper industry, cellulose industry, sugar industry, food industry, chemical industry, petrochemical industry, flue gas desulphurisation, industrial engineering, waste water transport

PumpDrive https://www.ksb.com/en-gb/lc/K09A

Slurry pumps

WBC

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

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

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

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

LSA

Q [m³/h]	≤ 25000
H [m]	≤ 105
p [bar]	≤ 50
T [°C]	≥ -20 - ≤ +120

Description
Rugged pump with casing, impeller and liners in proprietary GIW Gasite® material, recognised worldwide for superior abrasion resistance. Several impeller options available for fine-tuning pump performance to customers' pumping needs. The options provide optimum wear life and sustained efficiency.

Applications
Widely used in ore transport, mill discharge, cyclone feed, tailings and plant processes. Also used for environmental clean-up, dewatering, pulp and paper, food processes, coke and resin pumping, and ash handling.

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

LCC-H

Q [m³/h]	≤ 2990
H [m]	≤ 73
p [bar]	≤ 16
T [°C]	≥ +5 - ≤ +120

Description
The LCC-H is a high-efficiency slurry pump ideal for heavy-duty applications. The wetted pump end (casing, impeller, suction liner) is made of high chrome white iron. The LCC-H wet end parts feature thicker cross sections than the LCC-M. This provides increased wear life and allows for use in applications that require a higher pressure rating. The suction liner and suction plate are separate components for greater savings on maintenance cycles. All pumps are rated for 16 bar MAWP. Ideal for Class 2-3 slurries.

Applications
Sand and gravel, plant processes, mineral processing, secondary grinding, tailings (single-stage/ multistage), chemical slurry service, coal preparation

https://www.ksb.com/en-gb/lc/L18A

LCC-M

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

Description
The LCC-M is a high-efficiency slurry pump with excellent wear characteristics over a broad operating range. The wetted pump end (casing, impeller, suction plate/liner) is made of high chrome white iron. The design is optimised to permit easy dismantling and reassembly for maintenance and inspection. MAWP ranges from 8 to 16 bar depending upon size. Ideal for Class 1-2 slurries.

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

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

LCC-R

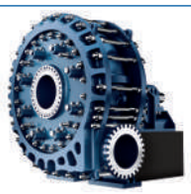
Q [m³/h]	≤ 2560
H [m]	≤ 42
p [bar]	≤ 16
T [°C]	≤ +65

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

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

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

TBC



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

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

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

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

LCV

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

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

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

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

MHD

Q [m³/h]	≤ 27254
H [m]	≤ 76
p [bar]	≤ 19
T [°C]	≥ -40 - ≤ +120

Description
Pump designed to provide high flow / medium head with high efficiency in severe medium-head dredge applications.

Applications
Ideal for hopper dredges or as the main pump on cutter dredges.

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

LHD

Q [m³/h]	≤ 15001
H [m]	≤ 53
p [bar]	≤ 11
T [°C]	≥ -40 - ≤ +120

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

Applications
Ideal for sand and gravel and severe, low-head dredge applications.

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

MDX

Q [m³/h]	≤ 18500
H [m]	≤ 55
p [bar]	≤ 10
T [°C]	≥ -40 - ≤ +120

Description
Low specific speed pump with deep base circle casing, standard adjustable suction liner with diverter and oversize shroud impeller with diverter, designed for Service Class 3 and 4 applications.

Applications
SAG, rod and ball mill discharge duties, cyclone and screen feed, and single-stage tailings.

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

ZW

Q [m³/h]	≤ 573
H [m]	≤ 60
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +120

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

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

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

HVF

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

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

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

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

DWD

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

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

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

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

TDW

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

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

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

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

Self-priming pumps

Etaprime L

DN	25 - 125
Q [m³/h]	≤ 180
H [m]	≤ 85
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +90
H_{geo} [m]	≤ 9
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Etaprime B

DN	25 - 100
Q [m³/h]	≤ 130
H [m]	≤ 70
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +90
H_{geo} [m]	≤ 9
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

EZ-B/L

DN	25 - 50
Q [m³/h]	≤ 21
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -5 - ≤ +80
n [rpm]	≤ 1500
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

AU

DN	40 - 200
Q [m³/h]	≤ 600
H [m]	≤ 52
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +80
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

AU Monobloc

DN	40 - 50
Q [m³/h]	≤ 53
H [m]	≤ 37
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +80
Data for 50 Hz operation	
Also available for 60 Hz	

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

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

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

Submersible borehole pumps

UPA C 100 EE

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

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

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

Control unit, Cervomatic, UPA Control	https://www.ksb.com/en-gb/lc/U04A

UPA C 150

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

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

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

PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U16A

UPA S 200, UPA S 250

DN	200 - 250
Q [m³/h]	≤ 340
H [m]	≤ 390
T [°C]	≤ +50
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation, made of precision (investment) cast stainless steel. High wear resistance and maximum pump efficiency. Sizes between 8 and 10 inches. Optionally available with lift check valve or connection nozzle. Optionally available with asynchronous or permanent magnet synchronous motors KSB UMA and UMA S. Variable speed operation with KSB PumpDrive R frequency inverter. Other accessories such as voltage filter, extension cable, cooling/suction/pressure shroud available in various versions.

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

PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U19A https://www.ksb.com/en-gb/lc/U17A

UPA 200 - UPA 350

DN	200 - 350
Q [m³/h]	≤ 840
H [m]	≤ 480
T [°C]	≤ +50
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage or multistage single-entry centrifugal pump in ring-section design, sand cast, for vertical or horizontal installation. Optionally available with lift check valve or connection nozzle. Sizes between 8 and 14 inches. Certified for sprinkler installations to VdS and drinking water applications to ACS.

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

PumpDrive, KSB UMA-S	https://www.ksb.com/en-gb/lc/U17A https://www.ksb.com/en-gb/lc/U19A https://www.ksb.com/en-gb/lc/U20A https://www.ksb.com/en-gb/lc/U21A

UPA 400 - UPA 1100

DN	> 400
Q [m³/h]	≤ 5000
H [m]	≤ 300
T [°C]	≤ +50
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation.

Applications
Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.

UPA D

DN	> 400
Q [m³/h]	≤ 5000
H [m]	≤ 1500
T [°C]	≤ +50

Data for 50 Hz operation

Also available for 60 Hz

Description
Multistage double-entry centrifugal pump in ring-section design for vertical or horizontal installation.

Applications
Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.

Vertical turbine pumps

B Pump

DN	80 - 500
Q [m³/h]	≤ 2600
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +105
n [rpm]	≤ 3000

Data for 50 Hz operation

Also available for 60 Hz

Higher ratings possible upon request

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.

Applications
Pumping clean water in agriculture, collection and irrigation, public water supply, industry, fire-fighting systems

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

High-pressure pumps

Comeo

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage horizontal centrifugal pump in close-coupled design
Applications
Water supply, small pressure booster systems, irrigation, cooling

Frequency inverter https://www.ksb.com/en-gb/lc/C11A

Movitec H(S)I

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage horizontal high-pressure centrifugal pump with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.
Applications
Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/M06A

Movitec

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 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
Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/M12A

Movitec VCI

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Multistage vertical high-pressure immersion pump for installation on tanks or platforms.
Applications
Machine tools, industrial machine systems, condensate transport, paint shops.

KSB SuPremE, PumpDrive https://www.ksb.com/en-gb/lc/M94A

Multitec

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

Description
Multistage horizontal or vertical centrifugal pump in ring-section design, long-coupled or close-coupled, with axial or radial suction nozzle, cast radial impellers and motor-mounted variable speed system. ATEX-compliant version available.
Applications
Water supply, drinking water supply, industry, pressure boosting, irrigation, power stations, heating systems, filtering systems, fire-fighting systems, reverse osmosis systems, snow-making systems and washing plants, and geothermal systems (re-injection of geothermal water into the aquifer).

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/M07A

WKL

DN	32 - 150
Q [m³/h]	≤ 450
H [m]	≤ 300
p [bar]	≤ 30
T [°C]	≥ -10 - ≤ +110
n [rpm]	≤ 3500

Description
Multistage horizontal centrifugal pump in ring-section design, with radial suction nozzle and closed radial impellers.
Applications
Transport of raw water and drinking water, applications in industry, pressure boosting, irrigation, sprinkler systems, drainage, etc.

https://www.ksb.com/en-gb/lc/W15B

Axially split pumps

Omega

DN	80 - 400
Q [m³/h]	≤ 4400
H [m]	≤ 210
p [bar]	≤ 25
T [°C]	≥ 0 - ≤ +140
n [rpm]	≤ 2900
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.
Applications
Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.

PumpDrive, PumpMeter, Frequency inverter

https://www.ksb.com/en-gb/lc/O00A

RDLO

DN	350 - 700
Q [m³/h]	≤ 10000
H [m]	≤ 290
p [bar]	≤ 30
T [°C]	≥ 0 - ≤ +140
n [rpm]	≤ 1450
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.
Applications
Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.

PumpMeter, Frequency inverter

https://www.ksb.com/en-gb/lc/R08A

RDLP

DN	350 - 1200
Q [m³/h]	≤ 18000
H [m]	≤ 550
p [bar]	≤ 64
T [°C]	≥ 0 - ≤ +80
n [rpm]	≤ 1450
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Axially split volute casing pump for horizontal installation, with one, two or three stages and double-entry radial impeller, mating flanges to DIN, ISO or ANSI.
Applications
Pumping water with a low solids content, e.g. in waterworks and long-distance water supply.

Frequency inverter

https://www.ksb.com/en-gb/lc/R09A

Hygienic pumps

Vitachrom

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

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/V00A

Vitacast

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

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

Description

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

Applications

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

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/V01A

Vitacast Bloc

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

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

Description

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

Applications

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

KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/V05A

Vitaprime

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

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

Description

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

Applications

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

KSB SuPremE, PumpDrive https://www.ksb.com/en-gb/lc/V07A

Vitastage

Q [m³/h]	≤ 12,5
H [m]	≤ 150
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +140

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

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

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

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

Vitalobe

DN	25 - 200
Q [m³/h]	≤ 342
H [m]	≤ 200
p [bar]	≤ 20
T [°C]	≥ -40 - ≤ +180
Viscosity [cP]	≤ 200000

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

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

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

KSB SuPremE, PumpDrive

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

Pumps for power station conventional islands

CHTC / CHTD

DN	100 - 700
Q [m³/h]	≤ 5700
H [m]	≤ 5400
p [bar]	≤ 560
T [°C]	≤ +270
n [rpm]	≤ 6750

Also available for 60 Hz
Higher ratings possible upon request

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

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

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

HGB / HGC / HGD

DN	40 - 400
Q [m³/h]	≤ 2300
H [m]	≤ 5300
p [bar]	≤ 560
T [°C]	≤ +210
n [rpm]	≤ 7000

Also available for 60 Hz
Higher ratings possible upon request

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

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

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

HGI

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

Also available for 60 Hz

Description
Horizontal radially split ring-section pump with radial impellers, single-entry, multistage.
Applications
Pumping feed water and condensate in power stations and industrial plants.

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

HGM / HGM-S

DN	25 - 125
Q [m³/h]	≤ 390
H [m]	≤ 1400 / ≤ 1000
p [bar]	≤ 140 / ≤ 100
T [°C]	≤ +160
n [rpm]	≤ 3600

Also available for 60 Hz
Higher ratings possible upon request

Description
Horizontal radially split product-lubricated multistage ring-section pump with radial impellers, axial and radial single-entry inlet.
Applications
Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.

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

YNK

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

Higher ratings possible upon request

Description
Horizontal radially split single-stage double-entry boiler feed booster pump (booster system) with cast steel single or double volute casing.
Applications
Pumping feed water in power stations and industrial plants.

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

LUVA

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical spherical casing pump, radial impellers, single-entry, single- to three-stage. Suitable for very high inlet pressures and temperatures. Integrated wet winding motor to VDE. Product-lubricated bearings, no need for oil supply systems. Design to TRD, ASME or IBR.
Applications
Hot water recirculation in forced-circulation, forced-flow and combined-circulation boilers for very high pressures and in solar power towers.

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

WKTB

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical can-type ring-section pump on base frame, multistage, first-stage impeller designed as a double-entry suction impeller, radial impellers. Flanges to DIN or ANSI.
Applications
Pumping condensate in power stations and industrial plants.

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

SEZ

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

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

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

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

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

SNW

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

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

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

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

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

PNW

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

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

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

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

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

SPY

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

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

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

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

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

Pumps for nuclear power stations

RER

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

Applications
Reactor coolant recirculation in nuclear power stations.

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

RSR

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

Applications
Reactor coolant recirculation in nuclear power stations.

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

RUV

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

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

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

PSR

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

Applications
Reactor coolant recirculation in boiling water reactors.

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

RHD

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

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

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

LUVm

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

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

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

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

RHM

DN	≤ 150
Q [m³/h]	≤ 300
H [m]	≤ 2100
p [bar]	≤ 220
T [°C]	≤ +180
n [rpm]	≤ 8000
Available for 50 Hz and 60 Hz	
Higher ratings possible upon request	

Description
Horizontal multistage barrel pull-out pump.

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

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

RVM

DN	≤ 85
Q [m³/h]	≤ 50
H [m]	≤ 2000
p [bar]	≤ 200
T [°C]	≤ +100
n [rpm]	≤ 6000
Available for 50 Hz and 60 Hz	
Higher ratings possible upon request	

Description
Vertical multistage barrel pull-out pump.

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

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

RHR

DN	≤ 500
Q [m³/h]	≤ 6000
H [m]	≤ 190
p [bar]	≤ 63
T [°C]	≤ +200
n [rpm]	≤ 3600
Available for 50 Hz and 60 Hz	

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

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

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

RVR

DN	≤ 500
Q [m³/h]	≤ 6000
H [m]	≤ 190
p [bar]	≤ 63
T [°C]	≤ +200
n [rpm]	≤ 3600
Available for 50 Hz and 60 Hz	

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

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

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

RVT

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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

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

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

Pumps for desalination by reverse osmosis

RPH-RO

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

Data for 50 Hz operation

Also available for 60 Hz

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

Applications
Booster pump for RO seawater desalination systems.

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

Multitec-RO

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

KSB SuPremE, PumpDrive

Positive displacement pumps

RC / RCV

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

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

Fire-fighting systems

FP Electro Diesel Set

DN	32 - 300
Q [m³/h]	≤ 840
H [m]	≤ 140
p [bar]	≤ 16
T [°C]	≥ +5 - ≤ +50
n [rpm]	≤ 3000

Data for 50 Hz operation

Also available for 60 Hz

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

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

FP Diesel Unit / FP Electro Unit

DN	32 - 350
Q [m³/h]	≤ 2500
H [m]	≤ 150
p [bar]	≤ 25
T [°C]	≥ +5 - ≤ +50
n [rpm]	≤ 3000

Data for 50 Hz operation

Also available for 60 Hz

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

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

Control units

Controlmatic E

Number of pumps	≤ 1
V [V]	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	≤ 1
V [V]	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	≤ 1
V [V]	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	≤ 2
P [kW]	≤ 22
V [V]	1~230 / 3~400

Available for higher ratings and other mains voltages on request.

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

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

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

UPA Control

Number of pumps	≤ 1
P [kW]	3
V [V]	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 × 255 × 170 mm (H × W × D).

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

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

Monitoring and diagnosis

AmaControl

AmaControl connections	Spring-loaded terminals
Mounting	35 mm standard rail
T [°C]	AmaControl 3 / 4: ≥ -30 - ≤ +70 AmaControl L: ≥ -20 - ≤ +60
Dimensions H × W ×D [mm]	AmaControl 3 / 4: 127,2×45×113,6 AmaControl L: 127,2×22,5×113,6
V [V]	AC 110-240 ± 10%
V [V]	AC/DC 24 ± 10%

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

https://www.ksb.com/en-gb/lc/A75B

Not available for worldwide sale

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Product Portfolio Pumps ı Automation

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