150 YEARS
People. Passion. Performance.

KSB

Product Portfolio 2021

Pumps ı Automation

Type Series Index

Our mission:
Certified quality assurance

First-class products and excellent service take top priority at KSB. To maintain this level of excellence, we have developed a modern quality management system with globally applicable guidelines. It is based on the Business Excellence model of the European Foundation for Quality Management, which already ensures improved quality management Europewide.

Our guidelines define uniform quality for all KSB locations and have helped us to optimise our manufacturing processes. The results are shorter delivery times and global availability of our products. These guidelines govern the way we act so comprehensively that even the competence of our consulting and the good value for money we offer are clearly stipulated. Like the 'Made in Germany' quality seal, we introduced internal certification as a sign of the highest quality: 'Made by KSB'.

Our five key goals:

- **Maximum customer satisfaction:** We do everything to fulfil our customers' wishes on time and in full.
- **Fostering quality awareness:** We put our quality commitment into daily practice – from executives to employees, whose qualifications and competence we foster through continuing training.
- **Prevention rather than cure:** We systematically analyse errors and prevent the causes.
- **Improvement in quality:** We continually optimise our processes in order to work more efficiently.
- **Involvement of suppliers:** We attach great importance to working together fairly and openly to achieve our shared goals.

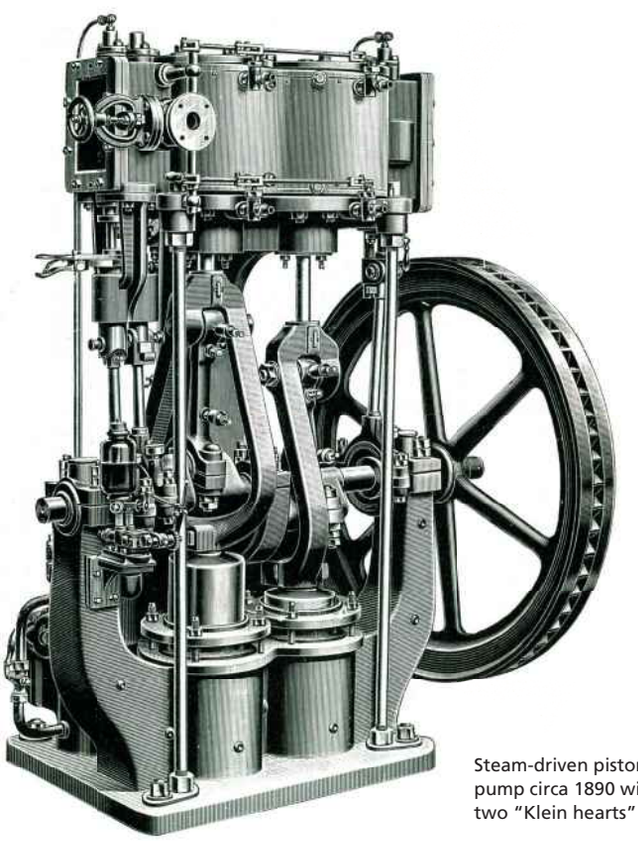
THE GLOBAL COMPACT
WE SUPPORT

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

150 YEARS
People. Passion. Performance.

A modern company – for 150

KSB is celebrating its 150th anniversary in 2021 under the motto "People. Passion. Performance." What began with an idea has developed into a leading global player for pumps, valves and service.



Steam-driven piston pump circa 1890 with two "Klein hearts"

It all began with an idea

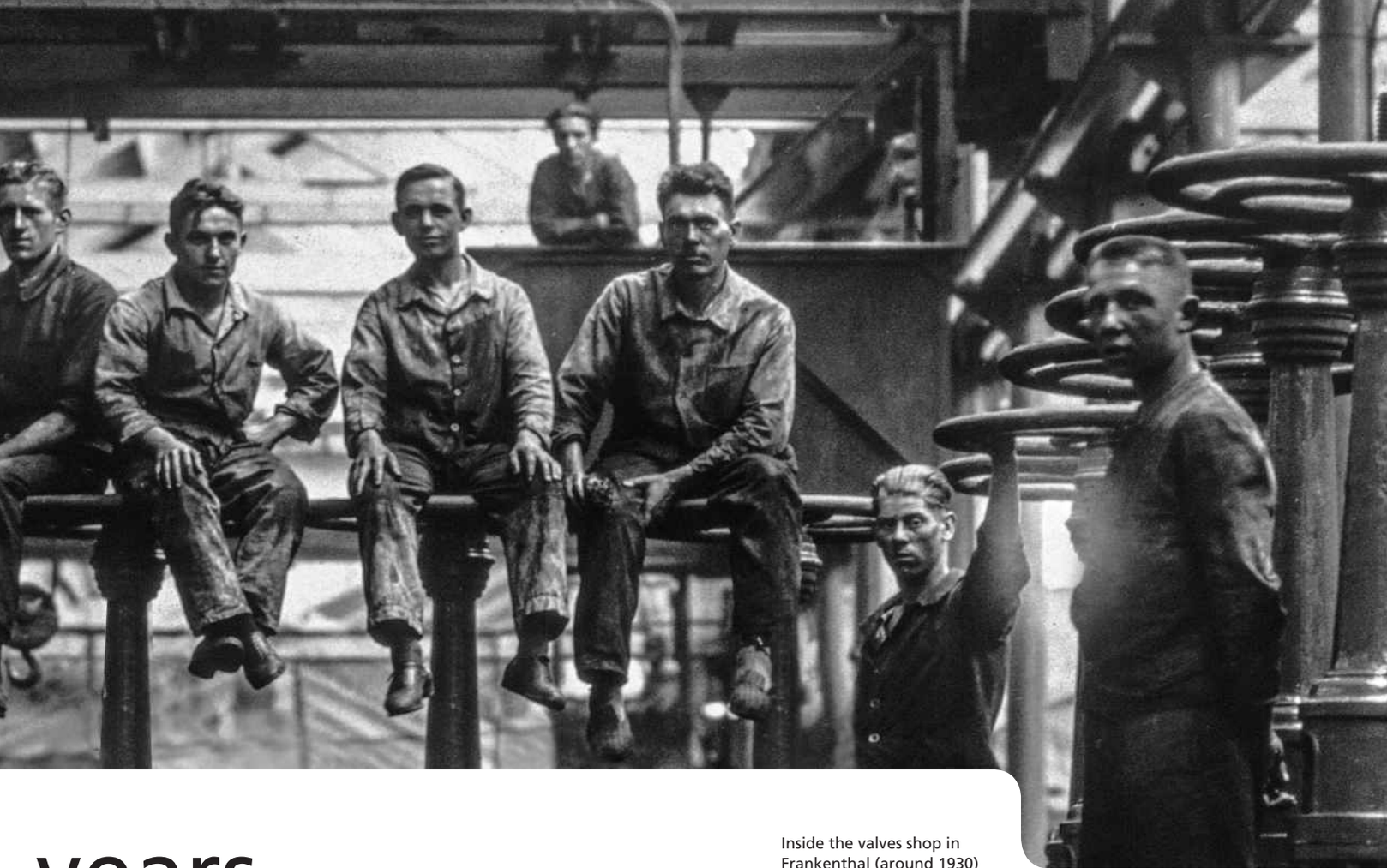
In 1871, mechanical engineer Johannes Klein received the patent for his boiler feed apparatus. In that same year, together with Friedrich Schanzlin and Jakob August Becker, he founded Frankenthaler Maschinen- & Armatur - Fabrik Klein, Schanzlin & Becker, employing twelve staff.

The company grew steadily, becoming an Aktiengesellschaft (public limited company) in 1887 and acquiring many companies in Germany.

The path to becoming a global group

In 1925, KSB founded its first company abroad. New companies in Argentina (1941), Pakistan (1953) and South Africa (1959) marked the beginning of the operations outside of Europe.

During the 1980s KSB took over further companies and expanded its range of products. In 1986, KSB acquired the leading French pump manufacturer Pompes Guinard, followed three years later by Amri, the second largest valve manufacturer in the world. The acquisition of the US company GIW Industries in 1988 signalled KSB's entry to the slurry pump market. In 1991, KSB integrated Hallesche Pumpenwerke GmbH into its



Inside the valves shop in Frankenthal (around 1930)

years

operations, today a production site for water and waste water pumps.

To strengthen activities in key markets such as China, India and Brazil, many new companies and joint ventures were founded from the mid-1990s. In Europe additional companies such as DP Industries B.V. in the Netherlands joined the Group, further expanding KSB's portfolio of products.

Smart for the future

KSB helps customers to remain competitive with digital solutions geared towards the future. Smart products and services ensure greater transparency in systems and increase their efficiency.

Through its digital factory approach, KSB is increasingly switching its production processes to standardised and automatic operations. Already today, additive manufacturing enables spare parts to be rapidly produced using 3D printing processes.

150 years of experience

KSB is one of the world's leading suppliers of pumps, valves and related systems. Over 15,000 employees work in production, sales and service locations on all continents. The Group is represented with subsidiaries in more than 40 countries.

KSB's highly efficient and reliable products are used in applications where fluids need to be transported or reliably shut off, for example in building services and industrial applications, in the chemical/petrochemical industries, in water supply and waste water treatment as well as in power plant processes and mining.

Around the globe, over 190 service workshops and some 3500 service specialists provide inspection, maintenance and repair services locally under the brand name KSB SupremeServ. Innovative technology that is the fruit of KSB's research and development activities forms the basis for the company's success.

Additive manufacturing enables KSB to produce complex components.

Smart services for maximum availability and efficiency

As a leading supplier of pumps and valves, we attach great importance to providing you with a comprehensive service of the highest quality. In fact, we believe it's so important that we even gave it a special name: KSB SupremeServ.

KSB SupremeServ is on hand to support you with classic and digital service and spare parts solutions over the entire product life cycle. Whether it's a KSB product, non-KSB product or other rotating equipment, you'll benefit from the reliable and sustainable operation of your system.

Applications:

- Water and Waste Water
- Industry
- Energy
- Building Services
- Mining

Wherever and whenever you need us, we're there for you – worldwide.

FluidFuture®: the energy-saving concept for your system

Many systems do run reliably but they also use a lot more power than necessary. The solution: efficiency optimisation with FluidFuture® in four steps. We look at the entire hydraulic system to achieve maximum energy efficiency throughout the life cycle. The optimisation costs will pay for themselves within a short period through the high energy savings that can be made.

The process and its four steps are clearly defined – based on extensive expertise and experience. This systematic and targeted approach ensures maximum savings at minimum costs. Perfectly matching the hydraulic system, drive and automation products as well as the piping dimensions can result in savings of up to 60 %.

We reduce the operating costs of your system by combining our expert knowledge with smart products and services. This is our joint contribution towards an energy-efficient future.

More on FluidFuture®:
www.ksb.com/fluidfuture

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 chemicals Regulation (EC) No 1907/2006 (REACH), see http://www.ksb.com/reach.

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	Calio-Therm S NC/NCV	30						■	
	Calio-Therm NC	30						■	
Drinking water circulators, variable speed	Calio-Therm	30	■					■	
	Calio-Therm S	30	■					■	
Circulators, variable speed	Calio S	31	■					■	
	Calio	31	■					■	
	Calio Z	31	■					■	
In-line pumps	Etaline L	31		■		■		■	
	Etaline DL	32		■		■		■	
	Etaline	32		■		■		■	
	Etaline Z	32		■		■		■	
	Etaline-R	32		■		■		■	
	ILN	32		■	■	■		■	
	ILNC	33		■	■	■		■	
	ILNR	33		■	■	■		■	
	Megaline	33		■	■	■		■	
Standardised / close-coupled pumps	Etanorm	33		■	■	■	■	■	
	Etanorm-R	34		■	■	■	■	■	
	Etabloc	34		■	■	■	■	■	
	Etachrom B	34		■	■	■	■	■	
	Etachrom L	34		■	■	■	■	■	
	Etanorm V	35			■	■	■	■	
	Meganorm	35		■	■	■	■	■	
	Megabloc	35		■	■	■	■	■	
Hot water pumps	HPK-L	35		■		■	■	■	
	HPH	36		■		■	■	■	
	HPK	35		■		■	■	■	
Hot water / thermal oil pumps	Etanorm SYT / RSY	36		■		■		■	
	Etabloc SYT	36		■		■		■	
	Etaline SYT	36		■		■		■	
Standardised chemical pumps	MegaCPK	37		■		■	■		
	CPKN	37		■		■	■		
	CPKNO	37		■		■	■		
Seal-less pumps	Magnochem	38		■		■	■		
	Magnochem 685	38		■		■	■		
	Magnochem-Bloc	38		■		■	■		
	Etaseco / Etaseco-I	38		■	■	■	■	■	
	Etaseco RVP	38		■	■	■	■	■	
Process pumps	RPH	39				■	■		
	RPH-LF	39				■			
	RPHb / RPHd / RPHbd	39				■	■		
	RPH-V	39				■	■		
	CTN	39				■			
	CHTR	40				■	■		
	CHTRa	40			■	■	■		
	CINCP / CINCN	40				■	■		
	INVCP	40			■	■	■		
	Estigia	40			■	■	■		
	RWCP / RWCN	41			■	■	■		
	WKTR	41				■			
Rainwater harvesting systems	Hya-Rain / Hya-Rain N	42	■		■			■	
	Hya-Rain Eco	42	■		■			■	

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	Multi Eco	42		■	■			■	
	Multi Eco-Pro	42	■		■				
	Multi Eco-Top	43	■		■			■	
	Ixo N	43		■	■			■	
	Ixo-Pro	43	■		■			■	
	Filtra N	43						■	
Pressure booster systems	KSB Delta Macro	43	■		■	■		■	
	KSB Delta Solo/Basic Compact	44	■		■			■	
	KSB Delta Basic	44	■		■	■		■	
	KSB Delta Primo	44	■		■	■		■	
	KSB Delta Solo	44	■		■	■		■	
	Hya-Solo D	44	■		■	■		■	
	Hya-Solo D FL	45	■			■		■	
	Hya-Duo D FL	45	■			■		■	
	Hya-Solo D FL Compact	45	■			■		■	
	Hya-Duo D FL Compact	45	■			■		■	
	Surpress Feu SFE	45	■			■		■	
Drainage pumps / waste water pumps	Ama-Drainer N	46		■				■	
	Ama-Drainer 4 / 5	46		■		■		■	
	Ama-Drainer 80, 100	46		■				■	
	Ama-Porter F / S	46		■				■	
	Rotex	46				■		■	
	MK / MKY	47		■		■		■	
Lifting units / package pump stations	Amaclean	47			■			■	
	Ama-Drainer-Box Mini	47	■					■	
	Ama-Drainer-Box	47	■					■	
	Evamatic-Box N	47						■	
	mini-Compacta	48	■					■	
	Compacta	48	■			■		■	
	CK 800 Pump Station	48	■		■	■		■	
	CK 1000 Pump Station	48	■		■	■		■	
	Ama-Porter CK Pump Station	48	■		■			■	
	SRP	49		■	■			■	
	SRL	49			■			■	
	SRA	49		■	■			■	
Submersible motor pumps	Amarex	50		■	■	■		■	
	Amarex N	50		■	■	■		■	
	Amarex KRT	50		■	■	■		■	
Submersible pumps in discharge tubes	Amacan K	50		■	■				
	Amacan P	51		■	■				
	Amacan S	51		■	■				
Mixers / agitators / tank cleaning units	Amamix	52			■	■			
	Amaprop	52			■	■			
	Amaline	52			■	■			
Pumps for solids-laden fluids	Sewatec	53		■	■	■			
	Sewatec SPN	53			■	■			
	Sewabloc	53		■	■	■			
	KWP	53		■	■	■	■		■
	KWP-Bloc	53		■	■	■	■		■

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Slurry pumps	WBC	54							■
	LSA-S	54				■	■		■
	LCC-M	54				■	■		■
	LCC-R	54				■	■		■
	TBC	54							■
	LCV	55							■
	FGD	55				■	■		■
	MHD	55							■
	LHD	55							■
	MDX	55				■			■
	ZW	56							■
	HVF	56				■			■
	DWD	56				■			■
Self-priming pumps	Etaprime L	57			■	■			
	Etaprime B	57			■	■			
	EZ B/L	57			■	■	■	■	
	AU	57			■	■			
	AU Monobloc	57			■	■			
Submersible borehole pumps	UPA C 100 EE	58		■	■	■		■	
	UPA C 100 EN	58		■	■	■		■	
	UPA C 150	58		■	■	■		■	
	UPA 200, UPA 250	58		■	■	■			
	UPA 300, UPA 350	58		■	■	■			
	UPA 400-850	59		■	■	■			
	UPA D	59		■	■	■			
Vertical turbine pumps	B Pump	59			■	■	■		
High-pressure pumps	Comeo	60		■	■	■		■	
	Movitec H(S)I	60		■	■	■	■	■	
	Movitec	60		■	■	■	■	■	
	Movitec VCI	60		■	■	■			
	Multitec	61		■	■	■	■	■	■
Axially split pumps	Omega	61		■	■	■	■	■	
	RDLO	61		■	■	■	■	■	
	RDLP	61		■	■				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	62		■	■	■			
	Vitacast	62		■	■	■			
	Vitacast Bloc	62		■	■	■			
	Vitaprime	62		■		■			
	Vitastage	63		■	■	■			
	Vitalobe	63		■		■			

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Pumps for power station conventional islands	CHTA / CHTC / CHTD	63					■		
	HGB / HGC / HGD	63				■	■		
	HGI	64				■	■		
	HGM	64		■		■	■		
	YNK	64					■		
	LUV / LUVA	64					■		
	WKTB	64					■		
	SEZ	65			■	■	■		
	SEZT	65			■	■	■		
	PHZ	65			■	■	■		
	PNZ	65			■	■	■		
	SNW	65			■	■	■		
	PNW	66			■	■	■		
	Beveron	66			■	■	■		
	SPY	66			■	■	■		
Pumps for nuclear power stations	RER	66					■		
	RSR	66					■		
	RUV	67					■		
	PSR	67					■		
	RHD	67					■		
	LUV Nuclear	67					■		
	RHM	67					■		
	RVM	68					■		
	RHR	68					■		
	RVR	68					■		
	RVT	68					■		
Pumps for desalination by reverse osmosis	RPH-RO	68			■				
	HGM-RO	69			■				
	Multitec-RO	69		■	■	■			
Positive displacement pumps	RC / RCV	69				■			
Fire-fighting systems	EDS	69	■		■	■		■	
	DU / EU	70	■		■	■		■	

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	28	■	■		■	
	KSB UMA-S	28	■	■			
Control units	Controlmatic E	71	■			■	
	Controlmatic E.2	71	■			■	
	Cervomatic EDP.2	71	■			■	
	LevelControl Basic 2	71	■	■		■	
	UPA Control	71	■			■	
	Hyatronic N	72	■	■		■	
Variable speed systems	PumpDrive 2 / PumpDrive 2 Eco	28	■	■		■	
	PumpDrive R	28	■	■		■	
Monitoring and diagnosis	PumpMeter	29	■	■		■	
	KSB Guard	29	■	■	■	■	
	KSB Leakage Sensor	29		■			
	Amacontrol III	72	■	■			

Fluids handled

	Drinking water circulators, fixed speed	Calio-Therm S NC/NCV	Calio-Therm NC	Drinking water circulators, variable speed	Calio-Therm	Calio-Therm S	Circulators, variable speed	Calio S	Calio	Calio Z	In-line pumps	Etaline L	Etaline DL	Etaline	Etaline Z	Etaline-R	ILN	ILNC	ILNR	Megaline	Standardised / close-coupled pumps	Etanorm	Etanorm-R	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 beverage production																													
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	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-I	Etaseco RVP	Process pumps	RPH	RPH-LF	RPHb / RPHd / RPHbd	RPH-V	CTN	CHTR	CHTRa	CINCP / CINCN	INVCP	Estigia	RWCP / RWCN	WKTR	Rainwater harvesting systems	Hya-Rain / Hya-Rain N	Hya-Rain Eco
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 beverage production																																		
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	Multi Eco	Multi Eco-Pro	Multi Eco-Top	Ixo N	Ixo Pro	Filtra N	Pressure booster systems	KSB Delta Macro	KSB Delta Solo/Basic Compact	KSB Delta Basic	KSB Delta Primo	KSB Delta Solo	Hya-Solo D	Hya-Solo D FL	Hya-Duo D FL	Hya-Solo D FL Compact	Hya-Duo D FL Compact	Surpress Feu SFE
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 beverage production																			
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

	Drainage pumps / waste water pumps	Ama-Drainer N	Ama-Drainer 4 / 5	Ama-Drainer 80, 100	Ama-Porter F / S	Rotex	MK / MKY	Lifting units / package pump stations	Amaclean	Ama-Drainer-Box Mini	Ama-Drainer-Box	Evamatic-Box N	mini-Compacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	SRP	SRL	SRA	Submersible motor pumps	Amarex	Amarex N	Amarex KRT
Waste water with faeces									■			■	■	■	■	■		■	■	■		■	■	■
Waste water without faeces		■	■	■	■				■	■	■	■	■	■	■	■	■	■	■	■		■	■	■
Aggressive liquids							■						■	■										■
Inorganic liquids																								
Activated sludge																						■	■	■
Brackish water													■	■										■
Service water		■	■	■			■			■	■	■	■	■	■	■	■					■	■	■
Distillate																								
Slurries																								
Explosive liquids																								
Digested sludge																						■	■	■
Solids (ore, sand, gravel, ash)																								
Flammable liquids																								
River, lake and groundwater		■	■	■	■		■															■	■	■
Liquefied gas																								
Food and beverage production																								
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	Amacan K	Amacan P	Amacan S	Mixers / agitators / tank cleaning units	Amamix	Amaprop	Amaline	Pumps for solids-laden fluids	Sewatec	Sewatec SPN	Sewabloc	KWP	KWP-Bloc	Slurry pumps	WBC	LSA-S	LCC-M	LCC-R	TBC	LCV	FGD	MHD	LHD	MDX	ZW	HVF	DWD	Self-priming pumps	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 beverage production													■	■																						
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									Vertical turbine 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 100 EN	UPA C 150	UPA 200, UPA 250	UPA 300, UPA 350	UPA 400-850	UPA D		B Pump		Comeo	Movitec H(S)I	Movitec	Movitec VCI	Multitec		Omega	RDLO	RDLP		Vitachrom	Vitacast/Vitacast Bloc	Vitaprime	Vitastage	Vitalobe		CHTA / CHTC / CHTD	HGB / HGC / HGD	HGI	HGM	YNK	LUV / 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 beverage production																						■	■	■	■	■										
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 / SEZT / PHZ / PNZ	SNW / PNW	Beveron	SPY	Pumps for nuclear power stations	RER	RSR	RUV	PSR	RHD	LUV Nuclear	RHM	RVM	RHR	RVR	RVT	Pumps for desalination by reverse osmosis	RPH-RO	HGM-RO	Multitec-RO	Positive displacement pumps	RC / RCV	Fire-fighting systems	EDS	DU / EU	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 beverage production																											■			■	■			■	■
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	Calio-Therm S NC/NCV	Calio-Therm NC	Drinking water circulators, variable speed	Calio-Therm	Calio-Therm S	Circulators, variable speed	Calio S	Calio	Calio Z	In-line pumps	Etaline L	Etaline DL	Etaline	Etaline Z	Etaline-R	ILN	ILNC	ILNR	Megaline	Standardised / close-coupled pumps	Etanorm	Etanorm-R	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	HPK-L	HPH	HPK	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-I	Etaseco RVP	Process pumps	RPH	RPH-LF	RPHb / RPHd / RPHbd	RPH-V	CTN	CHTR	CHTRa	CINCP / CINCN	INVCP	Estigia	RWCP / RWCN	WKTR	Rainwater harvesting systems	Hya-Rain / Hya-Rain N	Hya-Rain Eco
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										
	Multi Eco	Multi Eco-Pro	Multi Eco-Top	Ixo N	Ixo-Pro	Filtra N	KSB Delta Macro	KSB Delta Solo/Basic Compact	KSB Delta Basic	KSB Delta Primo	KSB Delta Solo	Hya-Solo D	Hya-Solo D FL	Hya-Duo D FL	Hya-Solo D FL Compact	Hya-Duo D FL Compact	Surpress Feu SFE
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 / waste water pumps							Lifting units / package pump stations												Submersible motor pumps			
		Ama-Drainer N	Ama-Drainer 4 / 5	Ama-Drainer 80, 100	Ama-Porter F / S	Rotex	MK / MKY	Amaclean	Ama-Drainer-Box Mini	Ama-Drainer-Box	Evamatic-Box N	mini-Compacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	SRP	SRL	SRA	Amarex	Amarex N	Amarex KRT
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	Mixers / agitators / tank cleaning units	Amamix	Amaprop	Amaline	Pumps for solids-laden fluids	Sewatec	Sewatec SPN	Sewabloc	KWP	KWP-Bloc	Slurry pumps	WBC	LSA-S	LCC-M	LCC-R	TBC	LCV	FGD	MHD	LHD	MDX	ZW	HVF	DWD	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								Vertical turbine 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 100 EN	UPA C 150	UPA 200, UPA 250	UPA 300, UPA 350	UPA 400-850	UPA D		B Pump		Comeo	Movitec H(S)I	Movitec	Movitec VCI	Multitec		Omega	RDLO	RDLP		Vitachrom	Vitacast/Vitacast Bloc	Vitaprime	Vitastage	Vitalobe		CHTA / CHTC / CHTD	HGB / HGC / HGD	HGI	HGM	YNK	LUV / 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 / SEZT / PHZ / PNZ	SNW / PNW	Beveron	SPY	Pumps for nuclear power stations	RER	RSR	RUV	PSR	RHD	LUV Nuclear	RHM	RVM	RHR	RVR	RVT	Pumps for desalination by reverse osmosis	RPH-RO	HGM-RO	Multitec-RO	Positive displacement pumps	RC / RCV	Fire-fighting systems	EDS	DU / EU	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
U [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.

http://shop.ksb.com/catalog/k0/en/product/ES000866

KSB UMA-S

Number of pumps	≤ 1
U [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 or 8-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 150 kW.

http://shop.ksb.com/catalog/k0/en/product/ES000003

PumpDrive 2 / PumpDrive 2 Eco

Number of pumps	≤ 6
P [kW]	55
U [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

http://shop.ksb.com/catalog/k0/en/product/ES000911

PumpDrive R

Number of pumps	≤ 6
P [kW]	55
U [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 160 kW (standard) / 400 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

http://shop.ksb.com/catalog/k0/en/product/ES000898

Not available for worldwide sale

PumpMeter

Number of pumps	≤ 1
U [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

http://shop.ksb.com/catalog/k0/en/product/ES000807

KSB Guard

Sensor units	≤ 40 (per gateway)
U [V AC]	110 - 240 (gateway)
U [V DC]	2 x 1,5 (sensor)

Description
System for monitoring the condition of pumps: Sensors on the pump record vibration and temperature data, which is processed in the KSB Cloud. Information on the pump's condition can then be accessed using the KSB Guard app or through the web portal. Easy to retrofit on pumps during operation.

Applications
Monitoring dry-installed pumps, optimising maintenance and improving system availability

http://shop.ksb.com/catalog/k0/en/product/ES000938

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

http://shop.ksb.com/catalog/k0/en/product/ES000982

Drinking water circulators, fixed speed

Calio-Therm S NC/NCV

Rp	1/2 - 3/4
Q [m³/h]	≤ 0,7
H [m]	≤ 1
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +65

Data for 50 Hz operation

Also available for 60 Hz

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

Applications
Drinking water circulation systems

http://shop.ksb.com/catalog/k0/en/product/ES000918

Calio-Therm NC

Rp	3/4 - 1
Q [m³/h]	≤ 9
H [m]	≤ 7
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +65
n [rpm]	≤ 2800

Data for 50 Hz operation

Description
Maintenance-free fixed speed glandless drinking water circulator pump, screw-ended, electric motor with multiple fixed speed levels, 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)

http://shop.ksb.com/catalog/k0/en/product/ES000928

Drinking water circulators, variable speed

Calio-Therm

Rp	1 - 1 1/4
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 pump, screw-ended or flanged, electric motor and continuously variable differential pressure control for use in drinking water supply systems and hot water supply systems.

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

http://shop.ksb.com/catalog/k0/en/product/ES000986

Calio-Therm S

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000882

Circulators, variable speed

Calio S

Rp	1/2 - 1 1/4
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

http://shop.ksb.com/catalog/k0/en/product/ES000910

Calio

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000881

Calio Z

Rp	1 1/4
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

http://shop.ksb.com/catalog/k0/en/product/ES000913

In-line pumps

Etaline L

Rp	1 - 1 1/4
DN	32 - 80
Q [m³/h]	≤ 95
H [m]	≤ 21
p [bar]	≤ 10
T [°C]	≥ -15 - ≤ +120

Data for 50 Hz operation

Also available for 60 Hz

Description
Single-stage close-coupled in-line volute casing pump, with PumpDrive variable speed system and common motor/pump shaft

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, swimming pools

http://shop.ksb.com/catalog/k0/en/product/ES000925

Etaline DL

Rp	1 1/4
DN	32 - 80
Q [m³/h]	≤ 150
H [m]	≤ 21
p [bar]	≤ 10
T [°C]	≥ -15 - ≤ +120

Data for 50 Hz operation
Also available for 60 Hz

Description
Single-stage close-coupled in-line volute casing pump as twin pump, with PumpDrive variable speed system and common motor/pump shaft

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

http://shop.ksb.com/catalog/k0/en/product/ES000926

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

http://shop.ksb.com/catalog/k0/en/product/ES000113

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

http://shop.ksb.com/catalog/k0/en/product/ES000114

Etaline-R

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

Data for 50 Hz operation
Also available for 60 Hz

Description
Vertical close-coupled pump with volute casing in in-line design with 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.

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

http://shop.ksb.com/catalog/k0/en/product/ES000812

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

http://shop.ksb.com/catalog/k0/en/product/ES000730

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000731

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

http://www.ksb.com.br/ksb-br-pt/pesquisa.php?_q=megaline

Standardised / close-coupled pumps

Etanorm

DN	25 - 150
Q [m³/h]	≤ 640
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

http://shop.ksb.com/catalog/k0/en/product/ES000062

Etanorm-R

DN	125 - 300
Q [m³/h]	≤ 1900
H [m]	≤ 101
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Horizontal long-coupled single-stage (two-stage for pump size 125-500) volute casing pump in back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings, 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
Water supply systems, spray irrigation systems, drainage systems, air-conditioning systems, fire-fighting systems, general irrigation systems, heating systems

http://shop.ksb.com/catalog/k0/en/product/ES000058

Etabloc

DN	25 - 150
Q [m³/h]	≤ 660
H [m]	≤ 140
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

http://shop.ksb.com/catalog/k0/en/product/ES000107

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

http://shop.ksb.com/catalog/k0/en/product/ES000066

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

http://shop.ksb.com/catalog/k0/en/product/ES000065

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. Suitable for immersion depths of up to 2000 mm.

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

http://shop.ksb.com/catalog/k0/en/product/ES000015

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

http://www.ksb.com.br/ksb-br-pt/pesquisa.php?_q=Meganorm

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

http://www.ksb.com.br/ksb-br-pt/pesquisa.php?_q=Megabloc

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

http://shop.ksb.com/catalog/k0/en/product/ES000036

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

http://shop.ksb.com/catalog/k0/en/product/ES000034

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.

http://shop.ksb.com/catalog/k0/en/product/ES000037

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

http://shop.ksb.com/catalog/k0/en/product/ES000790

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

http://shop.ksb.com/catalog/k0/en/product/ES000791

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

http://shop.ksb.com/catalog/k0/en/product/ES000789

Standardised chemical pumps

MegaCPK

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

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000861

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.

http://shop.ksb.com/catalog/k0/en/product/ES000027

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.

http://shop.ksb.com/catalog/k0/en/product/ES000027

Seal-less pumps

Magnochem

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 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.

http://shop.ksb.com/catalog/k0/en/product/ES000046

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.

http://shop.ksb.com/catalog/k0/en/product/ES000045

Etaseco / Etaseco-I

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

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000122

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, or in in-line design.

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.

http://shop.ksb.com/catalog/k0/en/product/ES000122

Process pumps

RPH

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

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000040

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.

http://shop.ksb.com/catalog/k0/en/product/ES000945

RPHb / RPHd / RPHbd

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

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000041

RPH-V

DN2 / DN3	25 - 80 / 40 - 150
Q [m³/h]	≤ 150
H [m]	≤ 165
p [bar]	≤ 35
T [°C]	≥ -30 - ≤ +230
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.

http://shop.ksb.com/catalog/k0/en/product/ES000880

CTN

DN	25 - 250 / 250 - 400
Q [m³/h]	≤ 950
H [m]	≤ 115
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +300
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Radially split vertical shaft submersible pump with double volute casing for wet and dry installation, with radial impeller, single-entry, single-stage or two-stage; heatable model available. ATEX-compliant version available.

Applications
Pumping chemically aggressive liquids, also slightly contaminated or with a low solids content, in the chemical and petrochemical industries.

http://shop.ksb.com/catalog/k0/en/product/ES000014

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)

http://shop.ksb.com/catalog/k0/en/product/ES000241

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.

http://shop.ksb.com/catalog/k0/en/product/ES000933

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.

http://shop.ksb.com/catalog/k0/en/product/ES000718

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.

http://shop.ksb.com/catalog/k0/en/product/ES000737

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

http://shop.ksb.com/catalog/k0/en/product/ES000937

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

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 free-flow impeller, semi-open or two-channel or three-channel impeller. Shaft sealed by mechanical seal or gland packing in accordance with various API pipework plans. Oil-lubricated bearings. ATEX-compliant version available.

Applications

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

http://shop.ksb.com/catalog/k0/en/product/ES000748

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 and multistage configurations and with either single or double suction first-stage impeller.

Applications

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

http://shop.ksb.com/catalog/k0/en/product/ES000875

Rainwater harvesting systems

Hya-Rain / Hya-Rain N

Rp	1
Q [m³/h]	≤ 4
H [m]	≤ 43
p [bar]	≤ 6
T [°C]	≥ 0 - ≤ +35

Data for 50 Hz operation

Description
Ready-to-connect package rainwater harvesting system in protective housing with automatic mains water back-up function if the rainwater storage tank is empty, with integrated dry running protection and demand-driven automatic pump control. Hya-Rain N version with analog level measurement in rainwater storage tank and integrated functional check run.

Applications
Rainwater harvesting and service water harvesting, general irrigation and spray irrigation systems.

http://shop.ksb.com/catalog/k0/en/product/ES000256

Hya-Rain Eco

Rp	1
Q [m³/h]	≤ 4
H [m]	≤ 43
p [bar]	≤ 6
T [°C]	≥ 0 - ≤ +35

Data for 50 Hz operation

Description
Basic ready-to-connect package rainwater harvesting system with automatic mains water back-up function if the rainwater storage tank is empty, with integrated dry running protection and demand-driven automatic pump control.

Applications
Rainwater harvesting and service water harvesting, general irrigation and spray irrigation systems.

http://shop.ksb.com/catalog/k0/en/product/ES000600

Domestic water supply / swimming pool pumps

Multi Eco

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

http://shop.ksb.com/catalog/k0/en/product/ES000085

Multi Eco-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.

http://shop.ksb.com/catalog/k0/en/product/ES000253

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

Multi Eco-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.

http://shop.ksb.com/catalog/k0/en/product/ES000254

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

http://shop.ksb.com/catalog/k0/en/product/ES000007

Ixo-Pro

Rp	1
Q [m³/h]	≤ 3,9
H [m]	≤ 60
T [°C]	≥ +5 - ≤ +35

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

http://shop.ksb.com/catalog/k0/en/product/ES000896

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 ‰.

http://shop.ksb.com/catalog/k0/en/product/ES000090

Pressure booster systems

KSB Delta Macro

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 versions. Cascade control (F) for ensuring the required supply pressure. The frequency inverter operated VC and SVP versions ensure variable speed control of each pump via cabinet-mounted frequency inverter (VC) or PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with BoosterControl.

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

http://shop.ksb.com/catalog/k0/en/product/ES000978

KSB Delta Solo/Basic Compact

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

http://shop.ksb.com/catalog/k0/en/product/ES000940

KSB Delta Basic

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 frequency inverter operated MVP and SVP versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or 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.

http://shop.ksb.com/catalog/k0/en/product/ES000942

KSB Delta Primo

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 versions. Cascade control (F) for ensuring the required supply pressure. The frequency inverter operated VC and SVP versions ensure variable speed control of each pump via cabinet-mounted frequency inverter (VC) or PumpDrive variable speed system and KSB SuPremE motor (SVP), respectively, providing fully electronic control to ensure the required supply pressure. Automated with BoosterControl.

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

http://shop.ksb.com/catalog/k0/en/product/ES000941

KSB Delta Solo

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 frequency inverter operated MVP and SVP versions ensure variable speed control of each pump by motor-mounted frequency inverter for asynchronous motors (MVP) or 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.

http://shop.ksb.com/catalog/k0/en/product/ES000939

Hya-Solo 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.

http://shop.ksb.com/catalog/k0/en/product/ES000250

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

Hya-Solo 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 package single-pump system. The system is started and stopped as a function of pressure. Design and function as per DIN 14462.
Applications
Fire-fighting systems to DIN 14462

http://shop.ksb.com/catalog/k0/en/product/ES000709

Hya-Duo 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 package dual-pump system consisting of one duty system and one stand-by system to ensure system redundancy. Design and function as per DIN 14462.
Applications
Fire-fighting systems to DIN 14462

http://shop.ksb.com/catalog/k0/en/product/ES000710

Hya-Solo D FL Compact

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

Data for 50 Hz operation

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

http://shop.ksb.com/catalog/k0/en/product/ES000821

Hya-Duo D FL Compact

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

Data for 50 Hz operation

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

http://shop.ksb.com/catalog/k0/en/product/ES000820

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.

http://shop.ksb.com/catalog/k0/en/product/ES000441

Drainage pumps / waste water pumps

Ama-Drainer N

Rp	1 1/4 - 1 1/2
Q [m³/h]	≤ 16,5
H [m]	≤ 12
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: 2 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

http://shop.ksb.com/catalog/k0/en/product/ES000771

Ama-Drainer 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

http://shop.ksb.com/catalog/k0/en/product/ES000078

Ama-Drainer 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

http://shop.ksb.com/catalog/k0/en/product/ES000079

Ama-Porter F / S

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

Description
Vertical single-stage fully floodable submersible waste water pump in close-coupled design (grey cast iron variant), non-explosion-proof.
Applications
Handling waste water, especially waste water containing long fibres and solid substances, liquids containing gas/air, removing waste water from flooded rooms and surfaces.

Control unit, LevelControl

http://shop.ksb.com/catalog/k0/en/product/ES000082

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.

http://shop.ksb.com/catalog/k0/en/product/ES000012

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

http://shop.ksb.com/catalog/k0/en/product/ES000013

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

http://shop.ksb.com/catalog/k0/en/product/ES000936

Ama-Drainer-Box Mini

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

Data for 50 Hz operation

Description
Reliable and compact waste 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 mini-Compacta sewage lifting unit for handling sewage from urinals and toilets.

http://shop.ksb.com/catalog/k0/en/product/ES000862

Ama-Drainer-Box

DN	40 - 50
Q [m³/h]	≤ 46
H [m]	≤ 24
T [°C]	≤ +40

Data for 50 Hz operation

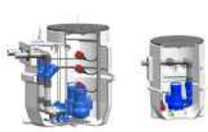
Also available for 60 Hz

Description
Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, with floor drain and odour trap, both with Ama-Drainer 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

http://shop.ksb.com/catalog/k0/en/product/ES000262

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 Ama-Porter F (free-flow impeller) or Ama-Porter S (cutter)

Applications
Disposal of domestic and municipal waste water occurring below the flood level

http://shop.ksb.com/catalog/k0/en/product/ES000430

mini-Compacta

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

Data for 50 Hz operation
Also available for 60 Hz

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000261

Compacta

DN	80 - 100
Q [m³/h]	≤ 140
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.

http://shop.ksb.com/catalog/k0/en/product/ES000260

CK 800 Pump Station

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

Data for 50 Hz operation

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000778

CK 1000 Pump Station

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

Data for 50 Hz operation

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000266

Ama-Porter CK Pump Station

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

Data for 50 Hz operation

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000498

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

SRP

DN	50 - 150
Q [m³/h]	≤ 500
H [m]	≤ 75
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description
Single-pump station or dual-pump station as ready-to-connect package system, with fibreglass collecting tank for buried installation

Applications
Premises renovation, disposal of domestic, municipal and industrial waste water, joint sewage disposal for multiple residential units

Control unit, LevelControl

http://shop.ksb.com/catalog/k0/en/product/ES000443

SRL

DN	65 - 150
Q [m³/h]	≤ 500
H [m]	≤ 55
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

http://shop.ksb.com/catalog/k0/en/product/ES000856

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 fibreglass collecting tank for buried installation

Applications
Site remediation, disposal of domestic, municipal and industrial waste water, joint sewage disposal for multiple residential units

Amacontrol, LevelControl

http://shop.ksb.com/catalog/k0/en/product/ES000987

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 free-flow 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

http://shop.ksb.com/catalog/k0/en/product/ES000979

Amarex N

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

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

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

Control unit, LevelControl

http://shop.ksb.com/catalog/k0/en/product/ES000507

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

http://shop.ksb.com/catalog/k0/en/product/ES000092

Submersible pumps in discharge tubes

Amacan K

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

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

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

Amacontrol

http://shop.ksb.com/catalog/k0/en/product/ES000100

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

http://shop.ksb.com/catalog/k0/en/product/ES000099

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

http://shop.ksb.com/catalog/k0/en/product/ES000101

Mixers / agitators / tank cleaning units

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

http://shop.ksb.com/catalog/k0/en/product/ES000268

Amaprop

Propeller Ø [mm]	1000 - 2500
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. ATEX-compliant 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

http://shop.ksb.com/catalog/k0/en/product/ES000271

Amaline

DN	200 - 800
Q [m³/h]	≤ 6600
H [m]	≤ 2,5
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description
Wet-installed horizontal propeller pump with submersible motor, equipped with direct drive or spur gear, ECB propeller with rigid, fibre-repellent blades, bolt-free connection to the discharge pipe. Explosion-proof version available.
Applications
Recirculating activated sludge in waste water treatment systems.

Amacontrol

http://shop.ksb.com/catalog/k0/en/product/ES000273

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

http://shop.ksb.com/catalog/k0/en/product/ES000068

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

http://shop.ksb.com/catalog/k0/en/product/ES000069

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 free-flow 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

http://shop.ksb.com/catalog/k0/en/product/ES000018

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 free-flow impeller.

Applications
Paper industry, cellulose industry, sugar industry, food industry, chemical industry, petrochemical industry, flue gas desulphurisation, industrial engineering, waste water transport

PumpDrive

http://shop.ksb.com/catalog/k0/en/product/ES000020

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.

http://shop.ksb.com/catalog/k0/en/product/ES000227

LSA-S

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

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000220

LCC-M

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

Description
The wetted pump end (casing, impeller and suction plate / liner) is made of white cast iron. Design optimised to permit easy dismantling and reassembly for maintenance and inspection.

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

http://shop.ksb.com/catalog/k0/en/product/ES000217

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.

http://shop.ksb.com/catalog/k0/en/product/ES000218

TBC

Q [m³/h]	≤ 18200
H [m]	≤ 90
p [bar]	≤ 37
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.

http://shop.ksb.com/catalog/k0/en/product/ES000226

LCV

Q [m³/h]	≤ 2045
H [m]	≤ 38
p [bar]	≤ 11
T [°C]	≤ +120

Description
Rugged vertical shaft submersible pump with casing, impeller and suction plate / liner made of white cast iron, bearing assembly located outside the fluid handled. Replaceable wetted parts made of white cast iron or natural rubber.

Applications
Particularly suitable for use in industrial processes and for transporting tailings in mines and pits.

http://shop.ksb.com/catalog/k0/en/product/ES000016

FGD

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

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

Applications
Flue gas desulpurisation systems and process circuits

http://shop.ksb.com/catalog/k0/en/product/ES000231

MHD

Q [m³/h]	≤ 90000
H [m]	≤ 115
p [bar]	≤ 13
T [°C]	≥ -20 - ≤ +120

Description
Horizontal volute casing pump for high-volume hydrotransport of solids. For pumping slurries of large and very large particle sizes with a very good suction behaviour and high efficiency. Pump components made of white cast iron.

Applications
Ideal for pipeline pressure booster stations and severe mining duties. Highly suitable for loading and unloading duties on (cutter) suction dredgers.

http://shop.ksb.com/catalog/k0/en/product/ES000224

LHD

Q [m³/h]	≤ 30000
H [m]	≤ 105
p [bar]	≤ 15
T [°C]	≥ -20 - ≤ +120

Description
Horizontal volute casing pump for high-volume hydrotransport of solids. For pumping slurries of large and very large particle sizes with a very good suction behaviour and high efficiency. Used in low-pressure applications. Pump components made of white cast iron.

Applications
Ideal for handling sand and gravel, on dredgers for land reclamation and as booster pumps.

http://shop.ksb.com/catalog/k0/en/product/ES000223

MDX

Q [m³/h]	≤ 16500
H [m]	≤ 51
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +120

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

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

http://shop.ksb.com/catalog/k0/en/product/ES000850

ZW

Q [m³/h]	≤ 400
H [m]	≤ 35
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +65

Description
Rugged vertical shaft submersible pump with casing, impeller and suction cover made of white cast iron, top and bottom impeller inlet. Long-life bearings not exposed to fluid handled. Replaceable wetted components.

Applications
Particularly suitable for pumping abrasive slurries, dewatering, floor clean-up and process applications.

http://shop.ksb.com/catalog/k0/en/product/ES000852

HVF

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

Description
The pump provides continuous operation without shutdown or operator intervention. The new hydraulic design removes air from the impeller eye while the pump is running, and the pump can be retrofitted into any existing operation.

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

http://shop.ksb.com/catalog/k0/en/product/ES000851

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).

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.

http://shop.ksb.com/catalog/k0/en/product/ES000120

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.

http://shop.ksb.com/catalog/k0/en/product/ES000119

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.

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.

http://shop.ksb.com/catalog/k0/en/product/ES000750

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.

http://shop.ksb.com/catalog/k0/en/product/ES000715

Submersible borehole pumps

UPA C 100 EN

DN	100
Q [m³/h]	≤ 22
H [m]	≤ 300
T [°C]	≤ +30
Data for 50 Hz operation	
Also available for 60 Hz	

Description
Multistage centrifugal pump in shroud design made of stainless steel and plastic 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 EN is also suitable for drinking water applications to ACS.

Control unit, Cervomatic, UPA Control

http://shop.ksb.com/catalog/k0/en/product/ES000003

UPA C 100 EE

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

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

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

Control unit, Cervomatic, UPA Control

http://shop.ksb.com/catalog/k0/en/product/ES000932

UPA C 150

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

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

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

PumpDrive, KSB UMA-S

http://shop.ksb.com/catalog/k0/en/product/ES000003

UPA 200, UPA 250

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

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

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

PumpDrive, KSB UMA-S

http://shop.ksb.com/catalog/k0/en/product/ES000003

UPA 300, UPA 350

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

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

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

PumpDrive, KSB UMA-S

http://shop.ksb.com/catalog/k0/en/product/ES000003

Not available for worldwide sale Factory-automated Automation available

UPA 400-850

DN	> 350
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	> 350
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 on request

Description

B Pumps are vertical turbine pumps 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 depth settings.

Applications

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

http://shop.ksb.com/catalog/k0/en/product/ES000909

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

http://shop.ksb.com/catalog/k0/en/product/ES000912

Movitec H(S)I

Rp	1 1/4 - 2
Q [m³/h]	≤ 26,3
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

http://shop.ksb.com/catalog/k0/en/product/ES000927

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

http://shop.ksb.com/catalog/k0/en/product/ES000865

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

http://shop.ksb.com/catalog/k0/en/product/ES000870

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

http://shop.ksb.com/catalog/k0/en/product/ES000214

Axially split pumps

Omega

DN	80 - 350
Q [m³/h]	≤ 2880
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

http://shop.ksb.com/catalog/k0/en/product/ES000071

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

http://shop.ksb.com/catalog/k0/en/product/ES000170

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

http://shop.ksb.com/catalog/k0/en/product/ES000171

Hygienic pumps

Vitachrom

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

Data for 50 Hz operation

Also available for 60 Hz

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

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

KSB SuPremE, PumpDrive, PumpMeter

http://shop.ksb.com/catalog/k0/en/product/ES000030

Vitacast

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

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

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

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

KSB SuPremE, PumpDrive, PumpMeter

http://shop.ksb.com/catalog/k0/en/product/ES000785

Vitacast Bloc

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

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

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

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

KSB SuPremE, PumpDrive, PumpMeter

http://shop.ksb.com/catalog/k0/en/product/ES000785

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

http://shop.ksb.com/catalog/k0/en/product/ES000787

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

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.

http://shop.ksb.com/catalog/k0/en/product/ES000788

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. Vitalobe is EHEDG-certified. The pump elastomers comply with the FDA standards and EN 1935/2004. Accessories include a trolley, a heatable casing or casing cover and a pressure relief arrangement. ATEX-compliant version available.

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

KSB SuPremE, PumpDrive

http://shop.ksb.com/catalog/k0/en/product/ES000847

Pumps for power station conventional islands

CHTA / 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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000239

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000233

HGI

DN	80 - 150
Q [m³/h]	≤ 410
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.

HGM

DN	25 - 125
Q [m³/h]	≤ 350
H [m]	≤ 1400
p [bar]	≤ 140
T [°C]	≤ +160
n [rpm]	≤ 3600

Also available for 60 Hz

Higher ratings possible on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000236

YNK

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

Higher ratings possible on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000181

LUV / 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.

http://shop.ksb.com/catalog/k0/en/product/ES000183

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.

http://shop.ksb.com/catalog/k0/en/product/ES000506

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000173

SEZT

Q [m³/h]	≤ 20000
H [m]	≤ 110
T [°C]	≤ +45
n [rpm]	≤ 990

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

Description
Vertical tubular casing pump with open or closed mixed flow impeller

Applications
Handling seawater in seawater desalination plants.

http://shop.ksb.com/catalog/k0/en/product/ES000174

PHZ

Q [m³/h]	≤ 65000
H [m]	≤ 25
T [°C]	≤ +80
n [rpm]	≤ 990

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

Description
Vertical tubular casing pump with mixed flow propeller, 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
Raw water, pure water, service water and cooling water in industry, water supply systems, power stations and seawater desalination plants.

http://shop.ksb.com/catalog/k0/en/product/ES000158

PNZ

Q [m³/h]	≤ 65000
H [m]	≤ 15
T [°C]	≤ +80
n [rpm]	≤ 990

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

Description
Vertical tubular casing pump with axial propeller, 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
Raw water, pure water, service water and cooling water in industry, water supply systems, power stations and seawater desalination plants.

http://shop.ksb.com/catalog/k0/en/product/ES000160

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000176

PNW

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

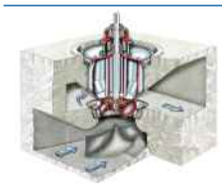
Data for 50 Hz operation
Also available for 60 Hz
Higher ratings possible on request

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.

http://shop.ksb.com/catalog/k0/en/product/ES000163

Beveron



Q [m³/s]	≤ 30
H [m]	≤ 27

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

Description
Concrete volute casing pump with mixed flow impeller, single-stage, with zero-maintenance Residur bearings lubricated by the fluid handled.

Applications
Coast protection and flood control, irrigation and drainage, low-lift pumping stations, reservoir filling, cooling water, raw and pure water.

http://shop.ksb.com/catalog/k0/en/product/ES000868

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 on 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.

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000144

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000146

Not available for worldwide sale Factory-automated Automation available

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000848

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000150

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000138

LUV Nuclear

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.

http://shop.ksb.com/catalog/k0/en/product/ES000855

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000245

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 on 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.

http://shop.ksb.com/catalog/k0/en/product/ES000243

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.

http://shop.ksb.com/catalog/k0/en/product/ES000140

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.

http://shop.ksb.com/catalog/k0/en/product/ES000142

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 on 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

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.

http://shop.ksb.com/catalog/k0/en/product/ES000570

Not available for worldwide sale Factory-automated Automation available

HGM-RO

DN	65 - 250
Q [m³/h]	≤ 1500
H [m]	≤ 950
p [bar]	≤ 120
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 3600

Also available for 60 Hz

Description
Horizontal radially split product-lubricated multistage ring-section pump with radial impellers and plain bearings, axial and radial single-entry inlet. Duplex stainless steel variant or super duplex stainless steel variant, also suitable for chilled water applications.

Applications
High-pressure pump for RO seawater desalination systems

http://shop.ksb.com/catalog/k0/en/product/ES000237

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.

http://shop.ksb.com/catalog/k0/en/product/ES000744

Fire-fighting systems

EDS

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 system consisting of a jockey pump and one or several duty pumps, with electric motor or diesel engine. Includes manifold, valves, accessories and control unit. To EN 12845, CEA 4001, UNE-23500, NFPA-20, etc.

Applications
Office buildings, hotels, industry, shopping malls, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000726

DU / EU

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 system consisting of pumps with electric motor or diesel engine and control unit. To EN 12845, CEA 4001, UNE-23500, NFPA-20, FM, etc.

Applications

Office buildings, hotels, industry, shopping malls, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000727

Control units

Controlmatic E

Number of pumps	≤ 1
U [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 Multi Eco, Ixo, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000276

Controlmatic E.2

Number of pumps	≤ 1
U [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 Multi Eco, Ixo, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000276

Cervomatic EDP.2

Number of pumps	≤ 1
U [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 Multi Eco, Ixo, etc. type series with single-phase or three-phase motors

http://shop.ksb.com/catalog/k0/en/product/ES000275

LevelControl Basic 2

Number of pumps	≤ 2
P [kW]	≤ 22
U [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.

http://shop.ksb.com/catalog/k0/en/product/ES000603

UPA Control

Number of pumps	≤ 1
P [kW]	3
U [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.

http://shop.ksb.com/catalog/k0/en/product/ES000006

Hyatronic N

Number of pumps	≤ 6
P [kW]	22
U [V]	3~400

Available for higher ratings and other mains voltages on request.

Description
Pump control system in control cabinet for cascade starting and stopping of up to six pumps.

Applications
For draining tanks and sumps in drainage and waste water disposal applications. For filling tanks in water supply applications. Level measurement using float switch or 4...20 mA sensor.

http://shop.ksb.com/catalog/k0/en/product/ES000303

Monitoring and diagnosis

Amacontrol III

Connections	Spring-loaded terminals
Fastening	35 mm standard rail
T [°C]	≥ -30 - ≤ +70
Dimensions H × W ×D [mm]	127,2 × 45 × 113,6
U [V]	AC 115-230 ± 10 %
U [V]	AC/DC 24 ± 10 %

Description
Protection module for water and waste water products as all-in-one device for motor temperature measurement, bearing temperature measurement, leakage measurement, vibration measurement and voltage measurement, as well as diagnosing a pump, pump system or submersible mixer to ensure trouble-free and reliable operation.

Applications
In water and waste water systems in combination with Amacan, Amamix, Amaprop, Amaline, Amarex KRT or Sewatec

http://shop.ksb.com/catalog/k0/en/product/ES000946

Not available for worldwide sale

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KSB SE & Co. KGaA
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)
Tel. +49 6233 86-0
www.ksb.com