› **Our technology. Your success.**
Pumps · Valves · Service

Pumps and Automation 2016

Type Series Index

Our tradition:
Competence since 1871

We have supplied generations of customers worldwide with pumps, valves, automation products and services. A company with that kind of experience knows that success is a process based on a stream of innovations. A process made possible by a close working alliance between developer and user, between production and practice.

Partners achieve more together.
We do everything possible to ensure that our customers always have access to the ideal product and system solution. KSB is a loyal partner. And a strong one:

- Over 140 years' experience
- Present in more than 100 countries
- More than 16,000 employees
- More than 170 service centres worldwide
- Approximately 3,000 service specialists

Single-source supplier:
your partner for pumps, valves and service

We assist our customers right through the product life cycle

A comprehensive product range, short response times and tailored service and spare parts solutions – no other competitor offers a comparable range of products and services. In all phases of the product life cycle, we are on hand to ensure that our customers secure long-term value from their systems.

We offer our customers a variety of services and spare parts solutions around pumps, valves, and other rotating equipment – also for non-KSB products:

- Technical consultancy
- Installation and commissioning
- Services provided on-site and in our service centres
- Inspection and maintenance
- Maintenance inspection management
- Framework agreements such as TPM® Total Pump Management
- Efficiency analyses with the SES System Efficiency Service or PumpMeter
- Reverse engineering
- Inventory management
- Spare parts in manufacturer's quality
- On-site training sessions
- Refurbishment and decommissioning

Ready wherever you are:
with a global service network and a 24-hour emergency service.

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.

Saving energy has never been so easy

The clever interaction between the five modules of FluidFuture®, KSB's energy efficiency concept, ensures maximum efficiency for your pump system. Following the introduction of KSB's SuPremE® motors, FluidFuture® now features a new generation of motors that enable you to run your system more leanly than with any other pump drive.

FluidFuture® – five modules for greater efficiency

KSB uses the energy efficiency concept FluidFuture® to assess the entire hydraulic system. The objective: to increase overall efficiency. Following a comprehensive system analysis, KSB selects high-efficiency pumps, valves and motors to optimise the system and ensure maximum efficiency with demand-driven operation. This means maximum energy savings for you.

Perfect combination

Combining high-efficiency components reduces energy consumption and saves you real money. The interaction of KSB SuPremE® motor, PumpDrive variable speed system and PumpMeter is a case in point. While the operating pressure is continually measured by the intelligent PumpMeter pressure sensor, PumpDrive ensures it is adjusted to the actual demand. Especially in the low-flow range this plays an important role. It also reduces energy costs and wear on components. The savings achieved are further maximised by the exceptional efficiency of the KSB SuPremE® motor.

FF FLUID FUTURE®

SYSTEM ANALYSIS
Our experts analyse your system and show where you can save energy – with SES System Efficiency Service or PumpMeter.

SELECTION
Your KSB partner or KSB EasySelect will help you find exactly the right pumps and valves.

HIGH-EFFICIENCY PUMPS & VALVES
Top pump and valve performance with minimum loss – all thanks to 140 years of innovation and expertise.

HIGH-EFFICIENCY DRIVES
Our high-efficiency motors even exceed today's standards.

DEMAND-DRIVEN OPERATION
Optimised control systems like PumpDrive continuously match pump output to system requirements.

General Information

KSB's FluidFuture® energy efficiency concept	FluidFuture® is our comprehensive energy efficiency concept for your entire hydraulic system. Its aim is to improve your plant's efficiency. To make that reality, we've developed five interlocking modules. Together they enable us to identify and achieve savings right through the life cycle of your pumps and valves. You can maximise savings by optimising the overall efficiency of your plant, making it run more cost-effectively, efficiently and longer. FluidFuture® benefits your company, our environment and generations to come. More information at www.ksb.de/fluidfuture
ErP	ErP regulations stipulating new, stricter minimum efficiency values became effective at the start of 2015. Since then, only pumps and motors which satisfy the energy efficiency requirements of the European Union's ErP Directive may be placed on the market. For KSB's products this is child's play. They are so efficient, many actually exceed the values required since 2015 – some even those applicable from 2017 as per the ErP regulations.
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 Aktiengesellschaft 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.

Pumps

Design / Application	Type series	Page	FluidFuture®	ErP	Factory-automated	Automation available	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Circulators / hot water service pumps, fixed speed	Riotherm	28				■				■	
Drinking water circulators, fixed speed	Calio-Therm S NC/NCV	28								■	
	Rio-Therm N	28								■	
Drinking water circulators, variable speed	Rio-Eco Therm N	28			■					■	
	Calio-Therm S	29			■					■	
Circulators, variable speed	Calio S	29	■	■	■					■	
	Calio	29	■	■	■					■	
	Rio-Eco N	29	■	■	■					■	
	Rio-Eco Z N	29	■	■	■					■	
In-line pumps	Etaline	30	■	■		■		■		■	
	Etaline Z	30	■	■		■		■		■	
	Etaline-R	30	■	■		■		■		■	
	ILN / ILNE / ILNS	30				■	■	■		■	
	ILNC / ILNCE / ILNCS	30				■	■	■		■	
Standardised / close-coupled pumps	Etanorm	31	■	■		■	■	■	■	■	
	Etanorm-R	31	■	■		■	■	■	■	■	
	Etabloc	31	■	■		■	■	■	■	■	
	Etachrom B	31	■	■		■	■	■	■	■	
	Etachrom L	32	■	■		■	■	■	■	■	
	Etanorm V	32					■	■	■	■	
Hot water pumps	HPK-L	32				■		■	■	■	
	HPH	32				■		■	■	■	
	HPK	32				■		■	■	■	
Hot water / thermal oil pumps	Etanorm SYT / RSY	33				■		■		■	
	Etabloc SYT	33				■		■		■	
	Etaline SYT	33				■		■		■	
Thermal oil pumps with magnetic drive or canned motor	HX (Nikkiso-KSB)	34						■			
	HY (Nikkiso-KSB)	34						■			
Standardised chemical pumps	MegaCPK	34	■			■		■	■		
	CPKN	34	■			■		■	■		
Seal-less pumps	Magnochem	35				■		■	■		
	Magnochem-Bloc	35				■		■	■		
	Etaseco / Etaseco-I	35				■	■	■	■	■	
	Etaseco RVP	35				■	■	■	■	■	
	Secochem Ex	35				■		■	■		
	Secochem Ex K	36				■		■	■		
	Ecochem Non-Seal HN	36				■		■	■		
	Ecochem Non-Seal HT	36				■		■	■		
	Ecochem Non-Seal HP	36				■		■			
	Ecochem Non-Seal HS	36				■		■	■		
	HN (Nikkiso-KSB)	36				■		■	■		
	HT (Nikkiso-KSB)	36				■		■	■		
	HK (Nikkiso-KSB)	36				■		■			
	VN (Nikkiso-KSB)	37				■		■	■		
	DN (Nikkiso-KSB)	37				■		■			

Design / Application	Type series	Page	FluidFuture®	ErP	Factory-automated	Automation available	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Process pumps	RPH	37						■	■		
	RPHb	37						■	■		
	RPH-V	37						■	■		
	RPHmdp	38						■	■		
	CTN	38						■			
	API series (Nikkiso-KSB)	38						■			
	CHTR	38						■	■		
	CINCP / CINCN	38						■	■		
	INVCP / INVCN	39					■	■	■		
	RWCP / RWCN	39					■	■	■		
	WKTR	39						■			
Rainwater harvesting systems	Hya-Rain / Hya-Rain N	40			■		■			■	
	Hya-Rain Eco	40			■		■			■	
Domestic water supply systems with automatic control unit / swimming pool pumps	Multi Eco	40				■	■			■	
	Multi Eco-Pro	40			■		■				
	Set 100	41			■					■	
	Multi Eco-Top	41			■		■			■	
	Movitec VME	41	■	■		■	■	■		■	
	Ixo N	41				■	■			■	
	Ixo-Pro	41			■		■			■	
	Filtra N	42								■	
Pressure booster systems	Hya-Solo EV	42			■		■			■	
	Hya-Solo D	42			■		■	■		■	
	Hya-Solo DSV	42			■		■	■		■	
	Hya-Solo D FL	42			■			■		■	
	Hya-Duo D FL	43			■			■		■	
	Hya-Solo D FL Compact	43			■			■		■	
	Hya-Duo D FL Compact	43			■			■		■	
	Superbloc SBC.B	44			■		■	■		■	
	Surpress Eco SE.2.B	44			■		■	■		■	
	Hya-Eco VP	43			■		■	■		■	
	Hyamat K	43			■		■	■		■	
	Hyamat V	44			■		■	■		■	
	Hyamat SVP	44			■		■	■		■	
	Surpress Eco SE.2.B VP	44			■		■	■		■	
	Surpresschrom SIC.2	45			■		■	■		■	
	Surpresschrom SIC.2 V	45			■		■	■		■	
	Surpresschrom SIC.2 SVP	45			■		■	■		■	
	Surpressbloc SB	45			■		■	■		■	
	Surpress Feu SFE	45			■			■		■	
	Surpress SP	46			■		■			■	
	Surpress SP VP	46			■		■			■	
Drainage pumps / waste water pumps	Ama-Drainer N 301 – 358	46				■				■	
	Ama-Drainer 4.. / 5..	46				■		■		■	
	Ama-Drainer 80, 100	46				■				■	
	Ama-Porter F / S	47				■				■	
	Rotex	47						■		■	
	MK / MKY	47				■		■		■	

Design / Application	Type series	Page	FluidFuture®	ErP	Factory-automated	Automation available	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Lifting units / pump stations	AmaDS³	47				■	■			■	
	Kondensat-Lift	47			■					■	
	Ama-Drainer-Box Mini	48			■					■	
	Ama-Drainer-Box	48			■					■	
	Evamatic-Box N	48								■	
	Eva-Clean	48								■	
	mini-Compacta	48			■					■	
	Compacta	49			■			■		■	
	CK 800 Pump Station	49			■		■	■		■	
	CK 1000 Pump Station	49			■		■	■		■	
	Ama-Porter CK Pump Station	49			■		■			■	
	SRP	49								■	
Submersible motor pumps	Amarex N	50				■	■	■		■	
	Amarex N S 32	50				■	■	■		■	
	Amarex KRT	50	■			■	■	■		■	
	Amarex KRT (jacket cooling)	50	■			■	■	■		■	
	Amarex KRT (convection cooling)	50	■			■	■	■		■	
Submersible pumps in discharge tubes	Amacan K	51				■	■				
	Amacan P	51				■	■				
	Amacan S	51				■	■				
Mixers / agitators / tank cleaning units	Amamix	52					■	■			
	Amaprop	52					■	■			
	Amajet	52					■	■			
	Amaline	52					■	■			
Pumps for solids-laden fluids	Sewatec	53				■	■	■			
	Sewabloc	53				■	■	■			
	KWP / KWP-Bloc	53				■	■	■	■		■
Slurry pumps	WBC	54									■
	LSA-S	54						■	■		■
	LCC-M	54						■	■		■
	LCC-R	54						■	■		■
	TBC	54									■
	LCV	55									■
	FGD	55						■	■		■
	Mega	55									■
	MHD	55									■
	LHD	55									■
	MDX	56						■			■
	ZW	56									■
	HVF	56						■			■
Self-priming pumps	Etaprime L	57					■	■			
	Etaprime B	57					■	■			
	EZ B/L	57					■	■	■	■	
Submersible borehole pumps	S 100D	58	■	■		■	■	■		■	
	UPA 100C	58	■	■		■	■	■		■	
	UPA 150C	58	■	■		■	■	■		■	
	UPA 200, 200B, 250C	58				■	■	■			
	UPA 300, 350	58				■	■	■			
	UPZ, BSX-BSF	59				■	■	■			
Deep-well turbine pumps	BEV	59					■	■	■	■	
High-pressure pumps	Comeo	60				■	■	■		■	
	Movitec	60	■	■		■	■	■	■	■	
	Movitec VCI	60	■	■		■	■	■			
	Multitec	60	■			■	■	■	■	■	

Design / Application	Type series	Page	FluidFuture®	ErP	Factory-automated	Automation available	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Axially split pumps	Omega	61	■			■	■	■	■	■	
	RDLO	61				■	■	■	■	■	
	RDLP	61					■				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	61				■	■	■			
	Vitacast	62				■	■	■			
	Vitaprime	62				■		■			
	Vitastage	62				■	■	■			
	Vitalobe	62				■		■			
Pumps for power station conventional islands	CHTA / CHTC / CHTD	63							■		
	HGB / HGC / HGD	63						■	■		
	HGM	63				■		■	■		
	YNK	63							■		
	LUV / LUVA	63							■		
	WKTB	64							■		
	SEZ / SEZT / PHZ / PNZ	64					■	■	■		
	SNW / PNW	64					■	■	■		
	Beveron	64					■	■	■		
	SPY	64					■	■	■		
Pumps for nuclear power stations	RER	65							■		
	RSR	65							■		
	RUV	65							■		
	PSR	65							■		
	RHD	65							■		
	LUV Nuclear	66							■		
	RHM	66							■		
	RVM	66							■		
	RHR	66							■		
	RVR	66							■		
Pumps and pressure exchangers for seawater desalination by reverse osmosis	RPH-RO	67					■				
	HGM-RO	67					■				
	Multitec-RO	67				■	■	■			
	SALINO Pressure Center	67				■	■				
Positive displacement pumps	RC / RCV	68						■			
Fire-fighting systems	EDS	68			■		■	■		■	
	DU / EU	68			■		■	■		■	

Automation and drives

Design / Application	Type series	Page	FluidFuture	ErP	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Automation and drives	KSB SuPremE	27	■		■	■		■	
Control units	ControlmaticE	69			■			■	
	Controlmatic E.2	69			■			■	
	Cervomatic EDP.2	69			■			■	
	LevelControl Basic 2	69			■	■		■	
	UPA Control	69			■			■	
	Hyatronic N	70			■	■		■	
Variable speed system	PumpDrive 2 / PumpDrive 2 Eco	27	■		■	■		■	
Monitoring and diagnosis	PumpMeter	27	■		■	■		■	
	Amacontrol	70			■	■			
Control system	BOA-Systronic	70	■					■	

Fluids handled

	Circulators / hot water service pumps, fixed speed	Riotherm	Drinking water circulators, fixed speed	Calio-Therm S NC/NCV	Rio-Therm N	Drinking water circulators, variable speed	Rio-Eco Therm N	Calio-Therm S	Circulators, variable speed	Calio S	Calio	Rio-Eco N	Rio-Eco Z N	In-line pumps	Etaline	Etaline Z	Etaline-R	ILN / ILNE / ILNS	ILNC / ILNCE / ILNCS	Standardised / close-coupled pumps	Etanorm / Etanorm-R	Etabloc	Etachrom B	Etachrom L	Etanorm V	Hot water pumps	HPK-L	HPH	HPK	Hot water / thermal oil pumps	Etanorm SYT / RSY	Etabloc SYT / Etaline SYT				
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																																				
Filtered water																																				
Harmful liquids																																				
Toxic liquids																																				
High-temperature hot water															■	■	■				■	■	■	■			■	■	■		■	■				
Heating water					■		■	■		■	■	■	■		■	■	■	■	■		■	■														
Highly aggressive liquids																															■					
Industrial service water		■			■		■	■							■	■	■	■	■		■	■	■	■	■											
Condensate																											■		■							
Corrosive liquids																																				
Valuable liquids																																				
Fuels																																				
Coolant																																				
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																													■							
Waste water																																				
Swimming pool water																		■	■		■	■	■	■												
Brine																		■	■		■	■									■					
Feed water																		■	■								■	■	■							
Dipping paints																									■											
Drinking water		■		■	■		■	■							■	■		■	■		■	■	■	■												
Thermal oil																											■		■		■	■				
Hot water		■			■		■	■		■	■	■	■		■	■	■	■	■		■	■	■	■			■	■	■		■	■				
Wash water																		■	■						■											

Fluids handled

	Thermal oil pumps with magnetic drive or canned motor		Standardised chemical pumps		Seal-less pumps															Process pumps										
	HX (Nikkiso-KSB)	HY (Nikkiso-KSB)	MegaCPK	CPKN	Magnochem	Magnochem-Bloc	Etaseco / Etaseco-I	Etaseco RVP	Secochem Ex	Secochem Ex K	Ecochem Non-Seal HN	Ecochem Non-Seal HT	Ecochem Non-Seal HP	Ecochem Non-Seal HS	HN (Nikkiso-KSB)	HT (Nikkiso-KSB)	HK (Nikkiso-KSB)	VN (Nikkiso-KSB)	DN (Nikkiso-KSB)	RPH	RPHb	RPH-V	RPHmdp	CTN	API series (Nikkiso-KSB)	CHTR	CINCP / CINCN	INVCP / INVCN	RWCP / RWCN	WKTR
Waste water with faeces																											■	■	■	
Waste water without faeces	■	■			■	■	■	■	■	■	■			■	■	■	■	■	■								■	■	■	
Aggressive liquids	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Inorganic liquids	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
Activated sludge																													■	
Brackish water			■	■																■								■		
Service water			■	■	■	■	■	■												■	■	■	■				■	■	■	
Distillate	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■											
Slurries																														
Explosive liquids	■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■				■
Digested sludge																														
Solids (ore, sand, gravel, ash)																													■	
Flammable liquids	■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			■	■	■	■	■
River, lake and groundwater																														
Liquefied gas													■		■		■	■	■				■		■	■				■
Food and beverage production																														
Gas-containing liquids			■	■																										
Filtered water																								■						
Harmful liquids	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■				
Toxic liquids	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■				
High-temperature hot water	■	■	■	■	■	■			■	■	■	■	■	■	■	■									■	■				
Heating water							■	■																						
Highly aggressive liquids	■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
Industrial service water			■	■																							■	■	■	
Condensate											■		■											■	■	■		■		■
Corrosive liquids	■	■	■	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	
Valuable liquids	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							
Fuels			■	■	■	■			■	■	■	■		■	■		■	■	■	■	■	■	■		■	■				■
Coolant					■	■	■	■																				■		
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			■	■	■	■														■	■	■	■				■	■	■	
Waste water																													■	
Swimming pool water																														
Brine			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■									■		
Feed water																										■	■	■	■	
Dipping paints					■	■	■	■	■	■					■													■		
Drinking water			■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■							■	■	■	■	
Thermal oil	■	■							■	■		■		■		■				■	■		■		■		■	■	■	
Hot water			■	■	■	■	■	■	■	■	■	■	■	■	■	■										■				
Wash water																											■	■	■	

Fluids handled

Fluid	Rainwater harvesting systems	Hya-Rain / Hya-Rain N	Hya-Rain Eco	Domestic water supply systems with automatic control unit / swimming pool pumps	MultiEco	Set 100	MultiEco-Pro	MultiEco-Top	Movitec VME	Ixo N	Ixo Pro	Filtra N	Pressure booster systems	Hya-Solo EV	Hya-Solo D	Hya-Solo DSV	Hya-Solo D FL	Hya-Duo D FL	Hya-Solo D FL Compact	Hya-Duo D FL Compact	Superbloc SBC	Surpress Eco SE.2.B	Hya-Eco VP	Hyamat K	Hyamat V	Hyamat SVP
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																										
Filtered water																										
Harmful liquids																										
Toxic liquids																										
High-temperature hot water																										
Heating water																										
Highly aggressive liquids																										
Industrial service water						■			■					■	■	■					■	■	■	■	■	■
Condensate																										
Corrosive liquids																										
Valuable liquids																										
Fuels																										
Coolant																										
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																										
Waste water																										
Swimming pool water												■		■	■	■					■	■	■	■	■	■
Brine																										
Feed water																										
Dipping paints																										
Drinking water					■	■	■	■	■					■	■	■					■	■	■	■	■	■
Thermal oil																										
Hot water																										
Wash water																										

Fluids handled

	Pressure booster systems										Drainage pumps / waste water pumps							Lifting units / pump stations												Submersible motor pumps						
		Surpress Eco SE.2.B VP	Surpresschrom SIC.2	Surpresschrom SIC.2 V	Surpresschrom SIC.2 SVP	Surpressbloc SB	Surpress Feu SFE	Surpress SP	Surpress SP VP			Ama-Drainer N 301 – 358	Ama-Drainer 4.. / 5..	Ama-Drainer 80, 100	Ama-Porter F / S	Rotex	MK / MKY		AmaDS³	Kondensat-Lift	Ama-Drainer-Box Mini	Ama-Drainer-Box	Evamatic-Box N	Eva-Clean	mini-Compacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK-Pumpstation	SRP		Amarex N	Amarex N S 32	Amarex KRT	Amarex KRT (jacket cooling)	Amarex KRT (convection cooling)	
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																															■	■	■	■	■	
Filtered water																								■									■	■	■	
Harmful liquids																																				
Toxic liquids																																				
High-temperature hot water																																				
Heating water																				■																
Highly aggressive liquids																																				
Industrial service water		■	■	■	■	■		■	■			■	■	■			■								■	■					■	■	■	■	■	
Condensate																	■			■					■	■										
Corrosive liquids																																	■			
Valuable liquids																																				
Fuels																																				
Coolant																																				
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																																				
Waste 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	Amajet	Amaline	Pumps for solids-laden fluids	Sewatec	Sewabloc	KWP / KWP-Bloc	Slurry pumps	WBC	LSA-S	LCC-M / LCC-R	TBC	LCV	FGD	Mega	MHD	LHD	MDX	ZW	HVF	Self-priming pumps	Etaprime L	Etaprime B	EZ B/L
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													■																
Filtered water																													■
Harmful liquids																													
Toxic liquids																													
High-temperature hot water																													
Heating water																													
Highly aggressive liquids																													
Industrial service water		■	■	■				■					■																
Condensate																													
Corrosive liquids													■				■			■									
Valuable liquids																													
Fuels																													
Coolant																													
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																													
Waste water											■	■	■				■		■		■				■				
Swimming pool water																													
Brine													■																
Feed water																													■
Dipping paints																													
Drinking water		■	■	■																									
Thermal oil																													
Hot water													■																■
Wash water																													

Fluids handled

	Submersible borehole pumps						Deep-well turbine pumps		High-pressure pumps					Axially split pumps				Hygienic pumps for the food, beverage and pharmaceutical industries						Pumps for power station conventional islands											
		S 100 D / UPA 100 C	UPA 150 C	UPA 200, 200B, 250C	UPA 300, 350	UPZ, BSX-BSF		BEV		Comeo	Movitec	Movitec VCI	Multitec		Omega	RDLO	RDLP		Vitachrom	Vitacast	Vitaprime	Vitastage	Vitalobe		CHTA / CHTC / CHTD	HGB / HGC / HGD	HGM	YNK	LUV / LUVA	WKTB	SEZ / SEZT / PHZ / PNZ	SNW / PNW	Beveron	SPY		
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																																			
Filtered water													■																						
Harmful liquids																																			
Toxic liquids																																			
High-temperature hot water											■		■		■	■									■	■	■	■	■						
Heating water													■		■																				
Highly aggressive liquids																																			
Industrial service water		■	■	■	■	■		■		■	■	■	■		■	■														■	■	■	■			
Condensate											■	■	■		■	■	■								■	■	■	■		■				■		
Corrosive liquids																																			
Valuable liquids																																			
Fuels													■																						
Coolant																																			
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												■	■																						
Waste water																																			
Swimming pool water																																			
Brine																																			
Feed water													■		■										■	■	■	■	■						
Dipping paints																																			
Drinking water		■	■	■	■	■		■		■	■	■	■		■	■	■		■	■	■	■	■												
Thermal oil																																			
Hot water													■		■	■																			
Wash water										■	■	■	■																						

Fluids handled

	Pumps for nuclear power stations	RER	RSR	RUV	PSR	RHD	LUV Nuclear	RHM	RVM	RHR	RVR	Pumps for seawater desalination by reverse osmosis	RPH-RO	HGM-RO	Multitec-RO	SALINO Pressure Center	Positive displacement pumps	RC / RCV	Fire-fighting systems	EDS	DU / EU	Drives	KSB SuPremE	Monitoring and diagnosis	PumpMeter
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																									
Filtered water																									■
Harmful liquids																									
Toxic liquids																									
High-temperature hot water																									■
Heating water																									■
Highly aggressive liquids																									
Industrial service water																									■
Condensate																									
Corrosive liquids																									
Valuable liquids																									
Fuels																	■								
Coolant		■	■	■	■		■	■	■	■	■														
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																		■							
Waste water																									
Swimming pool water																									■
Brine													■	■	■										
Feed water						■		■	■																
Dipping paints																									
Drinking water																									■
Thermal oil																									
Hot water																									■
Wash water																									■

Applications

	Circulators / hot water service pumps, fixed speed	Riotherm	Drinking water circulators, fixed speed	Calio-Therm S NC/NCV	Rio-Therm N	Drinking water circulators, variable speed	Rio-Eco Therm N	Calio-Therm S	Circulators, variable speed	Calio S	Calio	Rio-Eco N	Rio-Eco Z N	In-line pumps	Etaline	Etaline Z	Etaline-R	ILN / ILNE / ILNS	ILNC / ILNCE / ILNCS	Standardised / close-coupled pumps	Etanorm / Etanorm-R	Etabloc	Etachrom B	Etachrom L	Etanorm V	Hot water pumps	HPK-L	HPH	HPK	Hot water / thermal oil pumps	Etanorm SYT / RSY	Etabloc SYT / Etaline SYT					
Aquaculture																																					
Spray irrigation																		■	■		■	■	■	■													
Mining																																					
Irrigation																		■	■		■	■	■	■	■												
Chemical industry																					■																
Dock facilities																		■	■																		
Drainage																																					
Pressure boosting																																					
Sludge thickening																																					
Disposal																																					
Dewatering																		■	■		■	■	■	■	■												
Descaling units																																					
District heating										■	■	■	■		■	■	■	■	■		■						■		■								
Solids transport																																					
Fire-fighting systems																		■	■		■	■															
Drawdown of groundwater levels																																					
Maintaining 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																																					
Off-shore platforms																		■	■																		
Paper and pulp 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

	Thermal oil pumps with magnetic drive or canned motor	HX (Nikkiso-KSB)	HY (Nikkiso-KSB)	Standardised chemical pumps	MegaCPK	CPKN	Seal-less pumps	Magnochem	Magnochem-Bloc	Etaseco / Etaseco-I	Etaseco RVP	Secochem Ex	Secochem Ex K	Ecochem Non-Seal HN	Ecochem Non-Seal HT	Ecochem Non-Seal HP	Ecochem Non-Seal HS	HN / BN / TN (Nikkiso-KSB)	HT / BT / TT (Nikkiso-KSB)	HK (Nikkiso-KSB)	VN (Nikkiso-KSB)	DN (Nikkiso-KSB)	Process pumps	RPH	RPHb	RPH-V	RPHmdp	CTN	API series (Nikkiso-KSB)	CHTR	CINCP / CINCN	INVCP / INVCN	RWCP / RWCN	WKTR		
Aquaculture																														■	■	■			
Spray irrigation																																			
Mining																																			
Irrigation																																			
Chemical industry		■	■		■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	
Dock facilities																																			
Drainage																														■	■	■			
Pressure boosting																													■						
Sludge thickening																																			
Disposal																																■			
Dewatering																												■			■	■			
Descaling units																																			
District heating		■	■		■	■		■	■	■	■	■	■	■	■			■			■														
Solids transport																																			
Fire-fighting systems						■																													
Drawdown of groundwater levels																																			
Maintaining 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																																			
Off-shore platforms																								■	■	■	■			■					
Paper and pulp 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

	Rainwater harvesting systems		Domestic water supply systems with automatic control unit / swimming pool pumps								Pressure booster systems												
	Hya-Rain / Hya-Rain N	Hya-Rain Eco	MultiEco	Set 100	MultiEco-Pro	MultiEco-Top	Movitec VME	Ixo N	Ixo-Pro	Filtra N	Hya-Solo EV	Hya-Solo D	Hya-Solo DSV	Hya-Solo D FL	Hya-Duo D FL	Hya-Solo D FL Compact	Hya-Duo D FL Compact	Superbloc SBC	Surpress Eco SE.2.B	Hya-Eco VP	Hyamat K	Hyamat V	Hyamat SVP
Aquaculture																							
Spray irrigation	■	■	■	■	■	■	■	■	■		■	■	■					■	■	■	■	■	■
Mining																							
Irrigation	■	■	■	■	■	■	■	■	■		■	■	■					■	■	■	■	■	■
Chemical industry																							
Dock facilities																							
Drainage																							
Pressure boosting				■		■	■				■	■	■					■	■	■	■	■	■
Sludge thickening																							
Disposal																							
Dewatering																							
Descaling units																							
District heating																							
Solids transport																							
Fire-fighting systems				■			■							■	■	■	■						
Drawdown of groundwater levels				■																			
Maintaining 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																							
Off-shore platforms																							
Paper and pulp 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

	Pressure booster systems	Surpress Eco SE.2.B VP	Surpresschrom SIC.2	Surpresschrom SIC.2 V	Surpresschrom SIC.2 SVP	Surpressbloc SB	Surpress Feu SFE	Surpress SP	Surpress SP VP	Drainage pumps / waste water pumps	Ama-Drainer N 301 – 358	Ama-Drainer 4.. / 5..	Ama-Drainer 80, 100	Ama-Porter F / S	Rotex	MK / MKY	Lifting units / pump stations	AmaDS³	Kondensat-Lift	Ama-Drainer-Box Mini	Ama-Drainer-Box	Evamatic-Box N	Eva-Clean	mini-Compacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	SRP	Submersible motor pumps	Amarex N	Amarex N S 32	Amarex KRT	Amarex KRT (jacket cooling)	Amarex KRT (convection cooling)
Aquaculture																																			
Spray irrigation		■	■	■	■			■	■																										
Mining																																■			
Irrigation		■	■	■	■	■		■	■																					■	■	■	■	■
Chemical industry																														■	■	■	■	■
Dock facilities																																			
Drainage											■	■	■	■	■	■														■	■	■	■	■
Pressure boosting		■	■	■	■	■		■	■																										
Sludge thickening																																			
Disposal											■	■	■	■	■	■		■		■	■	■	■	■	■	■	■	■	■		■	■	■	■	■
Dewatering											■	■	■	■	■	■				■	■		■	■	■	■	■	■			■	■	■	■	■
Descaling units																																■	■	■	
District heating																																			
Solids transport																																			
Fire-fighting systems							■																												
Drawdown of groundwater levels																														■	■	■	■	■
Maintaining 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																																			
Off-shore platforms																																			
Paper and pulp 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	Amajet	Amaline	Pumps for solids-laden fluids	Sewatec / Sewabloc	KWP / KWP-Bloc	Slurry pumps	WBC	LSA-S	LCC-M / LCC-R	TBC	LCV	FGD	Mega	MHD	LHD	MDX	ZW	HVF	Self-priming pumps	Etaprime L	Etaprime B	EZ B/L
Aquaculture		■	■																										
Spray irrigation																													
Mining												■		■	■	■	■	■	■	■	■	■	■	■	■				
Irrigation		■	■	■								■																	
Chemical industry												■																	■
Dock facilities																													
Drainage												■																	
Pressure boosting																													■
Sludge thickening						■																							
Disposal												■																	
Dewatering		■	■	■								■																	
Descaling units												■		■	■	■	■	■			■	■		■					
District heating																													
Solids transport												■		■	■	■	■	■	■	■	■	■	■	■					
Fire-fighting systems																													
Drawdown of groundwater levels																													
Maintaining 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						■																							
Off-shore platforms																													
Paper and pulp 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	S 100 D / UPA 100 C	UPA 150 C	UPA 200, 200B, 250C	UPA 300, 350	UPZ, BSX-BSF	Deep-well turbine pumps	BEV	High-pressure pumps	Comeo	Movitec	Movitec VCI	Multitec	Axially split pumps	Omega	RDLO	RDLP	Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	Vitacast	Vitaprime	Vitastage	Vitalobe	Pumps for power station conventional islands	CHTA / CHTC / CHTD	HGB / HGC / HGD	HGM	YNK	LUV / LUVA	WKTB	SEZ / SEZT / PHZ / PNZ	SNW / PNW	Beveron	SPY
Aquaculture																																		
Spray irrigation		■	■	■	■			■		■	■		■																					
Mining		■	■	■	■	■							■																					
Irrigation		■	■	■	■	■		■		■	■		■		■	■	■														■	■	■	■
Chemical industry													■		■	■			■	■	■	■	■											■
Dock facilities															■	■															■	■	■	
Drainage																															■	■	■	
Pressure boosting		■	■							■	■		■																					
Sludge thickening																																		
Disposal								■																										
Dewatering															■	■															■	■	■	■
Descaling units																									■	■								
District heating													■		■	■																		
Solids transport																																		
Fire-fighting systems		■	■	■	■			■			■		■		■	■																		
Drawdown of groundwater levels		■	■	■	■	■		■																										
Maintaining 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																																		
Off-shore platforms											■																							
Paper and pulp 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 nuclear power stations	RER	RSR	RUV	PSR	RHD	LUV Nuclear	RHM	RVM	RHR	RVR	Pumps for seawater desalination by reverse osmosis	RPH-RO	HGM-RO	Multitec-RO	SALINO Pressure Center	Positive displacement pumps	RC / RCV	Fire-fighting systems	EDS	DU / EU	Drives	KSB SuPremE	Monitoring and diagnosis	PumpMeter
Aquaculture																						■		
Spray irrigation																						■		■
Mining																								
Irrigation																						■		■
Chemical industry																	■					■		
Dock facilities																								
Drainage																						■		
Pressure boosting																						■		■
Sludge thickening																						■		
Disposal																						■		
Dewatering																						■		
Descaling units																						■		■
District heating																						■		■
Solids transport																								
Fire-fighting systems																				■	■			
Drawdown of groundwater levels																						■		■
Maintaining 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																						■		
Off-shore platforms																		■						
Paper and pulp 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

No. of pumps	max. 1
Voltage [V]	Power supply via PumpDrive only

Description:
IEC-compatible, sensorless, magnetless synchronous reluctance motor of efficiency class IE4 (super premium efficiency) to IEC/CD 60034-30 Ed. 2.0 (05-2011) for operation with the KSB PumpDrive S or KSB PumpDrive R variable speed system. Suitable for connection to three-phase 380-480 V mains (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 indicators. 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, in particular, 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

PumpDrive 2 / PumpDrive 2 Eco

No. of pumps	max. 6
P [kW]	55
Voltage [V]	3~380 – 480
Frequency inverter	1 per motor

Description:
Self-cooling variable speed system which allows the motor speed to be varied continuously by means of standard signals and a field bus. As PumpDrive is self-cooling, it can be mounted on the motor, on the wall or in a control cabinet. From two to six pumps can be controlled without needing an additional controller.

Applications:
Cooling circuits, filters, water supply systems, heating, ventilation and air-conditioning systems, spray irrigation systems, boiler feed systems, steam generation plants, process circuits, cooling lubricant supply systems, service water supply systems and other process engineering applications.

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

PumpMeter

No. of pumps	max. 1
Voltage [V]	24 V DC

Description:
The PumpMeter device is an intelligent pressure transmitter for pumps, with on-site display of measured values and operating data. The device comprises two pressure sensors and a display unit. It records the load profile of the pump in order to indicate any potential for optimising energy efficiency and availability.

Applications:
For monitoring pump operation.

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

Circulators / hot water service pumps, fixed speed

Riotherm

Rp	1 – 1¼
Q [m³/h]	max. 10
H [m]	max. 6
p [bar]	max. 10
T [°C]	-2 to +110

Data for 50 Hz operation
Also available for 60 Hz

Description:
Screw-ended glanded pump with mechanical seal and fixed speed.
Applications:
Hot water supply, swimming pools, cooling circuits and industrial plants.

Switchgear

http://shop.ksb.com/catalog/k0/en/product/ES000131

Drinking water circulators, fixed speed

Calio-Therm S NC/NCV

Rp	½ – 1¼
Q [m³/h]	max. 0.7
H [m]	max. 1
p [bar]	max. 10
T [°C]	+5 to +65

Data for 50 Hz operation
Suitable for 50 Hz and 60 Hz operation

Description:
Maintenance-free screw-ended glandless pump with 3 speed levels.
Applications:
Drinking water circulation systems

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

Rio-Therm N

Rp / DN	½ – 1¼ / 40 – 80
Q [m³/h]	max. 50
H [m]	max. 9
p [bar]	max. 10
T [°C]	max. +80
n [rpm]	max. 2800

Description:
Maintenance-free screw-ended or flanged glandless pump, with up to four speed levels.
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/ES000132

Drinking water circulators, variable speed

Rio-Eco Therm N

Rp / DN	1 – 1¼ / 32 – 80
Q [m³/h]	max. 38
H [m]	max. 12
p [bar]	max. 10
T [°C]	max. +80
n [rpm]	max. 3700

Description:
Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control.
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/ES000877

Calio-Therm S

Rp	1 – 1¼
Q [m³/h]	max. 3.5
H [m]	max. 6
p [bar]	max. 10
T [°C]	max. +80
n [rpm]	max. 3000

Description:
Maintenance-free high-efficiency screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control.
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	½ – 1¼
Q [m³/h]	max. 3.5
H [m]	max. 6
p [bar]	max. 10
T [°C]	+5 to +95
n [rpm]	max. 3000

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/ES000881

Calio

Rp / DN	1 – 1¼ / 32 – 100
Q [m³/h]	max. 70
H [m]	max. 18
p [bar]	max. 16
T [°C]	-10 to +110
n [rpm]	max. 3660

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

Rio-Eco N

Rp / DN	65 – 80
Q [m³/h]	max. 65
H [m]	max. 12
p [bar]	max. 10
T [°C]	-10 to +110

Description:
Maintenance-free, flanged high-efficiency glandless pump with high-efficiency electric motor with integrated motor protection and alarm relay (general fault message) 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/ES000493

Rio-Eco Z N

DN	65 – 80
Q [m³/h]	max. 56
H [m]	max. 12
p [bar]	max. 10
T [°C]	-10 to +110
n [rpm]	max. 3550

Description:
Maintenance-free, flanged high-efficiency glandless twin pump with integrated motor protection and alarm relay (general fault message) and integrated frequency inverter for 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/ES000493

In-line pumps

Etaline

DN	32 – 200
Q [m³/h]	max. 700
H [m]	max. 95
p [bar]	max. 16
T [°C]	-30 to +140

Description:
Single-stage volute casing pump in in-line design with standardised motor; pump shaft and motor shaft are rigidly connected.
Applications:
Hot-water heating systems, cooling circuits, air-conditioning systems, water supply systems, service water supply systems and industrial recirculation systems.

PumpMeter, PumpDrive, Switchgear, KSB SuPremE

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

Etaline Z

DN	32 – 200
Q [m³/h]	max. 1095
H [m]	max. 38.5
p [bar]	max. 16
T [°C]	-30 to +140

Description:
Single-stage volute casing pump in in-line twin design with standardised motor; pump shaft and motor shaft are rigidly connected.
Applications:
Hot-water heating systems, cooling circuits, air-conditioning systems, water supply systems, service water supply systems and industrial recirculation systems.

PumpMeter, PumpDrive, Switchgear, KSB SuPremE

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

Etaline-R

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

Description:
Vertical, close-coupled pump with volute casing in in-line design and standardised motor.
Applications:
Hot-water heating systems, cooling circuits, air-conditioning systems, water supply systems, service water supply systems and industrial recirculation systems.

PumpMeter, PumpDrive, Switchgear, KSB SuPremE

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

ILN / ILNE / ILNS

DN	65 – 400
Q [m³/h]	max. 3100
H [m]	max. 112
p [bar]	max. 16
T [°C]	-20 to +70
n [rpm]	max. 3000

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 pipes and the motor.
Applications:
Hot-water heating systems, cooling circuits, air-conditioning systems, marine applications, water and service water supply systems, cleaning systems and industrial recirculation systems.

PumpDrive, Switchgear

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

ILNC / ILNCE / ILNCS

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

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

PumpDrive, Switchgear

http://shop.ksb.com/catalog/k0/en/product/ES000732

Standardised / close-coupled pumps

Etanorm

DN	25 – 150
Q [m³/h]	max. 740
H [m]	max. 160
p [bar]	max. 16
T [°C]	-30 to +140

Description:
Volute casing pump, single-stage, ratings to EN 733, meets the requirements of the 2009/125/EC directive, radially split volute casing, volute casing with integrally cast pump feet, replaceable casing wear rings (optionally available for casings in material variant C), closed radial impeller with multiply curved vanes, single mechanical seals to EN 12756, double mechanical seals to EN 12756, shaft fitted with a replaceable shaft protecting sleeve in the shaft seal area.

Applications:
For pumping pure liquids not chemically or mechanically aggressive to the pump materials: water supply, cooling water, swimming pool water, fire-fighting systems, seawater, spray irrigation, fire-fighting water, irrigation, service water, cleaning agents, drinking water, brackish water, drainage, condensate, heating, air-conditioning, oils, hot water.

PumpMeter, PumpDrive, KSB SuPremE

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

Etanorm-R

DN	125 – 300
Q [m³/h]	max. 1900
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +140

Description:
Horizontal volute casing pump, single-stage (size 125-500 with two stages), long-coupled, in back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings. ATEX-compliant version available.

Applications:
Spray irrigation, irrigation, drainage, district heating, water supply systems, heating and air-conditioning systems, condensate transport, swimming pools, fire-fighting systems, handling hot water, cooling water, fire-fighting water, oil, brine, drinking water, brackish water, service water, etc.

PumpMeter, PumpDrive, KSB SuPremE

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

Etabloc

DN	25 – 150
Q [m³/h]	max. 740
H [m]	max. 160
p [bar]	max. 16
T [°C]	-30 to +140

Description:
Volute casing pump, single-stage, ratings to EN 733, meets the requirements of the 2009/125/EC directive, radially split volute casing (some volute casings with integrally cast pump feet), replaceable casing wear rings (optionally available for casings in material variant C), closed radial impeller with multiply curved vanes, single mechanical seals to EN 12756, double mechanical seals to EN 12756, shaft fitted with a replaceable shaft protecting sleeve in the shaft seal area.

Applications:
Spray irrigation, irrigation, drainage, water supply systems, heating and air-conditioning systems, condensate transport, swimming pools, handling hot water, cooling water, fire-fighting water, seawater, oil, brine, drinking water, cleaning agents, brackish water, service water, etc.

PumpMeter, PumpDrive, KSB SuPremE

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

Etachrom B

DN	25 – 80
Q [m³/h]	max. 250
H [m]	max. 105
p [bar]	max. 12
T [°C]	max. +110

Description:
Horizontal single-stage close-coupled annular casing pump, with ratings and main dimensions to EN 733, with replaceable casing wear rings. ATEX-compliant version available.

Applications:
Spray irrigation, irrigation, drainage, water supply systems, heating, air-conditioning and fire-fighting systems, condensate transport, swimming pools, handling hot water, cooling water, fire-fighting water, oil, drinking water, cleaning agents and service water.

PumpMeter, PumpDrive, KSB SuPremE

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

Etachrom L

DN	25 – 80
Q [m³/h]	max. 250
H [m]	max. 105
p [bar]	max. 12
T [°C]	-30 to +110

Description:
Horizontal single-stage annular casing pump with ratings and main dimensions to EN 733, with replaceable casing wear rings. ATEX-compliant version available.
Applications:
Water supply systems, spray irrigation, irrigation, drainage, heating, air-conditioning and fire-fighting systems, handling drinking water, service water, hot water, cooling water, swimming pool water, fire-fighting water, condensate, oil and cleaning agents.

PumpMeter, PumpDrive, KSB SuPremE

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

Etanorm V

DN	32 – 150
Q [m³/h]	max. 675
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +95

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:
For pumping neutral degreasing and phosphatising solutions, wash water with degreasing agents, dipping paints, etc.

PumpDrive, KSB SuPremE, LevelControl

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

Hot water pumps

HPK-L

DN	25 – 250
Q [m³/h]	max. 1160
H [m]	max. 162
p [bar]	max. 40
T [°C]	max. +240 / +400

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:
For pumping hot water and thermal oil in piping or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems, etc.

PumpDrive, KSB SuPremE

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

HPK

DN	150 – 400
Q [m³/h]	max. 4150
H [m]	max. 185
p [bar]	max. 40
T [°C]	max. +400

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:
For pumping hot water and thermal oil in piping or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems, etc.

PumpDrive

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

HPH

DN	40 – 350
Q [m³/h]	max. 2350
H [m]	max. 225
p [bar]	max. 110
T [°C]	max. +320

Description:
Horizontal radially split volute casing pump in back pull-out design, with centreline pump feet, with radial impeller, single-entry, single-stage. Optional TRD type testing by TÜV. ATEX-compliant version available.
Applications:
For 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

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

Hot water / thermal oil pumps

Etanorm SYT / RSY

DN	25 – 300
Q [m³/h]	max. 1900
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +350

Description:
Volute casing pump for horizontal installation, back pull-out design, single-stage, ratings and dimensions to EN 733, radially split volute casing, 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.

Applications:
Heat transfer systems (DIN 4754, VDI 3033) or hot water recirculation.

PumpDrive, KSB SuPremE

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

Etabloc SYT

DN	25 – 80
Q [m³/h]	max. 337
H [m]	max. 99
p [bar]	max. 16
T [°C]	max. +350

Description:
Volute casing pump for horizontal and 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 and grease-lubricated radial ball bearing in the motor housing.

Applications:
Heat transfer systems (DIN 4754, VDI 3033) or hot water recirculation.

PumpDrive, KSB SuPremE

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

Etaline SYT

DN	32 – 100
Q [m³/h]	max. 316
H [m]	max. 101
p [bar]	max. 16
T [°C]	max. +350

Description:
Single-stage volute casing pump in in-line design with standardised motor; pump shaft and motor shaft are rigidly connected.

Applications:
Heat transfer systems (DIN 4754, VDI 3033) or hot water recirculation.

PumpDrive, KSB SuPremE

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

Thermal oil pumps with magnetic drive or canned motor

HX (Nikkiso-KSB)

DN	32 – 100
Q [m³/h]	max. 200
H [m]	max. 100
p [bar]	max. 40
T [°C]	max. +350

Data for 50 Hz operation
Also available for 60 Hz

Description:
Horizontal seal-less single-stage pump with fully enclosed canned motor, uncooled. ATEX-compliant version available.
Applications:
For pumping thermal oils and other hot fluids in heat transfer systems to DIN 4754.

HY (Nikkiso-KSB)

DN	32 – 80
Q [m³/h]	max. 150
H [m]	max. 100
p [bar]	max. 40
T [°C]	max. +250

Data for 50 Hz operation
Also available for 60 Hz

Description:
Horizontal seal-less single-stage pump with fully enclosed canned motor, uncooled, coolable or heatable. ATEX-compliant version available.
Applications:
For pumping thermal oils and other hot fluids in heat transfer systems to DIN 4754.

Standardised chemical pumps

MegaCPK

DN	25 – 250
Q [m³/h]	max. 1160
H [m]	max. 162
p [bar]	max. 25
T [°C]	max. +400

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; also available as a variant with "wet" shaft and conical seal chamber. ATEX-compliant version available.
Applications:
For pumping aggressive liquids in the chemical and petrochemical industries and in refinery systems.

PumpMeter, PumpDrive, KSB SuPremE

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

CPKN

DN	150 – 400
Q [m³/h]	1160 – 4150
H [m]	162 – 185
p [bar]	max. 25
T [°C]	max. +400

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 (CPKNO). ATEX-compliant version available.
Applications:
For pumping aggressive liquids in the chemical and petrochemical industries, refinery systems, fire-fighting systems and for brine transport.

PumpDrive

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

Seal-less pumps

Magnochem

DN	25 – 250
Q [m³/h]	max. 1160
H [m]	max. 162
p [bar]	max. 40
T [°C]	-90 to +300

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

PumpMeter, PumpDrive, KSB SuPremE

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

Magnochem-Bloc

DN	25 – 160
Q [m³/h]	max. 754
H [m]	max. 162
p [bar]	max. 25
T [°C]	max. +200

Description:
Horizontal, 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:
For pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical, petrochemical and general industries.

PumpMeter, PumpDrive

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

Etaseco / Etaseco-I

DN	32 – 100
Q [m³/h]	max. 250
H [m]	max. 162
p [bar]	max. 16
T [°C]	max. +140

Description:
Horizontal or vertical seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry, casing connecting dimensions to EN 733.
Applications:
For pumping aggressive, flammable, toxic, volatile, or valuable liquids in the chemical and petrochemical industries, in environmental engineering and industrial applications.

PumpMeter, PumpDrive

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

Etaseco RVP

DN	32
Q [m³/h]	max. 20
H [m]	max. 25
p [bar]	max. 10
T [°C]	max. + 85

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.
Applications:
For 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.

PumpMeter, PumpDrive

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

Secochem Ex

DN	25 – 100
Q [m³/h]	max. 300
H [m]	max. 150
p [bar]	max. 25
T [°C]	max. +130

Description:
Horizontal 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 22858 / ISO 2858. ATEX-compliant version available.
Applications:
For pumping aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industries, in environmental engineering and industrial applications.

PumpDrive, Frequency inverter

http://shop.ksb.com/catalog/k0/en/product/ES000105

Secochem Ex K

DN	25 – 100
Q [m³/h]	max. 300
H [m]	max. 150
p [bar]	max. 25
T [°C]	max. +400

Description:
Horizontal 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 22858 / ISO 2858, with external cooler. ATEX-compliant version available.

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

PumpDrive, Frequency inverter

http://shop.ksb.com/catalog/k0/en/product/ES000105

Ecochem Non-Seal HN, HP, HT, HS

DN	25 – 250
Q [m³/h]	max. 690
H [m]	max. 236
p [bar]	max. 40
T [°C]	max. +400

Description:
Horizontal seal-less volute casing pump in back pull-out design with hermetically sealed canned motor, low-noise design, with radial impeller, single-stage, single-entry, casing connecting dimensions to EN 22858 / ISO 2858, available in standard chemical pump design (HN), with external cooler for hot (HT) or contaminated (HS) fluids, and with internal return line for handling liquefied gas (HP). ATEX-compliant and GOST-TR-compliant versions available.

Applications:
For pumping aggressive, flammable and explosive liquids in the chemical and petrochemical industries and in refinery and heat transfer systems.

PumpDrive, Frequency inverter

http://shop.ksb.com/catalog/de/de/product/ES000914

HN (Nikkiso-KSB)

DN	32 – 300
Q [m³/h]	max. 800
H [m]	max. 200
p [bar]	max. 40
T [°C]	max. +180

Description:
Horizontal (HN) or vertical (BN / TN) seal-less single-stage pump with fully enclosed canned motor, uncooled, coolable or heatable. ATEX-compliant version available.

Applications:
For pumping aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industries.

PumpDrive, Frequency inverter

HT (Nikkiso-KSB)

DN	32 – 300
Q [m³/h]	max. 800
H [m]	max. 200
p [bar]	max. 40
T [°C]	max. +400

Description:
Horizontal (HT) or vertical (BT / TT) seal-less single-stage pump with fully enclosed canned motor, coolable. ATEX-compliant version available.

Applications:
For pumping aggressive, solids-laden, polymerising, flammable, explosive, toxic, volatile or valuable liquids and thermal oils in the chemical and petrochemical industries.

PumpDrive, Frequency inverter

HK (Nikkiso-KSB)

DN	25 – 40
Q [m³/h]	max. 10
H [m]	max. 300
p [bar]	max. 40
T [°C]	max. +150
n [rpm]	max. 8400

Description:
Horizontal seal-less pump with fully enclosed canned motor, two-stage design in tandem arrangement. ATEX-compliant version available.

Applications:
For pumping aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industries. For low flow rates, high heads and low NPSHR.

PumpDrive, Frequency inverter

VN (Nikkiso-KSB)

DN	40 – 100
Q [m³/h]	max. 140
H [m]	max. 450
p [bar]	max. 40
T [°C]	max. +180

Description:
Horizontal seal-less pump with fully enclosed canned motor, multistage. ATEX-compliant version available.

Applications:
For pumping aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industries. For high pump heads.

PumpDrive, Frequency inverter

DN (Nikkiso-KSB)

DN	32 – 50
Q [m³/h]	max. 40
H [m]	max. 60
p [bar]	max. 40
T [°C]	max. +180

Description:
Horizontal seal-less pump with fully enclosed canned motor , single-stage, self-priming. ATEX-compliant version available.

Applications:
For pumping aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industries. Self-priming pump for draining tanks and unloading tank vehicles.

PumpDrive, Frequency inverter

Process pumps

RPH

DN	25 – 400
Q [m³/h]	max. 4150
H [m]	max. 270
p [bar]	max. 110
T [°C]	-70 to +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

RPHb

DN	80 – 200
Q [m³/h]	max. 730
H [m]	max. 450
p [bar]	max. 100
T [°C]	-80 to +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 BB2, with radial impeller, single-entry, single-stage, back-to-back impeller arrangement, centreline pump feet.

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]	max. 80
H [m]	max. 164
p [bar]	max. 51
T [°C]	-30 to +230
Data for 50 Hz operation	
Also available for 60 Hz	

Description:
Vertical radially split volute casing pump to API 610 and ISO 13709 (heavy-duty), type VS4, with radial impeller, single-entry, single-stage.

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

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

RPHmdp

DN	25 – 100
Q [m³/h]	max. 300
H [m]	max. 270
p [bar]	max. 51
T [°C]	-40 to +300

Data for 50 Hz operation
Also available for 60 Hz

Description:
Horizontal radially split volute casing pump in back pull-out design to API 685 (heavy-duty), with magnetic drive, single-stage, single-entry, with radial impeller, centreline pump feet; with inducer, if required. ATEX-compliant version available.

Applications:
Refineries, petrochemical and chemical industries, power stations.

http://shop.ksb.com/catalog/k0/en/product/ES000884

CTN

DN	25–250 / 250–400
Q [m³/h]	max. 950
H [m]	max. 115
p [bar]	max. 16
T [°C]	max. +300

Data for 50 Hz operation
Available for 50 Hz and 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 double-stage; heatable model available. ATEX-compliant version available.

Applications:
For 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

API series (Nikkiso-KSB)

Rp	1½ – 6
Q [m³/h]	max. 360
H [m]	max. 220
p [bar]	max. 40
T [°C]	max. +450

Data for 50 Hz operation
Also available for 60 Hz

Description:
Horizontal or vertical canned motor pump to API 685, single-stage, with centreline pump feet; with inducer, if required.

Applications:
HNP: for clean liquids; HTP: for hot fluids; HSP / HMP: for contaminated or polymerising fluids; HRP: for liquids with a steep vapour pressure curve such as liquefied gases.

CHTR

DN	50 – 250
Q [m³/h]	max. 1450
H [m]	max. 4000
p [bar]	max. 400
T [°C]	max. +450
n [rpm]	max. 7000

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

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

CINCP / CINCN

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

Data for 50 Hz operation
Also suitable for 60 Hz operation

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. 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

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

INVCP / INVCN

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

Data for 50 Hz operation

Also suitable for 60 Hz operation

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

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

RWCP / RWCN

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

Data for 50 Hz operation

Also suitable for 60 Hz operation

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]	max. 400
H [m]	max. 500
p [bar]	max. 51
T [°C]	max. +200
n [rpm]	max. 3000

Data for 50 Hz operation

Also available for 60 Hz

Description:
Vertical can-type ring-section pump. Type VS6 to API 610 and DIN ISO 13709, multistage, first-stage impeller designed as suction impeller, radial impellers. ATEX-compliant version available.

Applications:
For 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]	max. 4
H [m]	max. 43
p [bar]	max. 6
T [°C]	max. +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 and service water harvesting, irrigation and spray irrigation systems.

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

Hya-Rain Eco

Rp	1
Q [m³/h]	max. 4
H [m]	max. 43
p [bar]	max. 6
T [°C]	max. +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 and service water harvesting, irrigation and spray irrigation systems.

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

Domestic water supply / swimming pool pumps

Multi Eco

Rp	1 – 1¼
Q [m³/h]	max. 8
H [m]	max. 54
p [bar]	max. 10
T [°C]	max. +50
n [rpm]	max. 2800

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

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

Cervomatic, Controlmatic

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

Multi Eco-Pro

Rp	1 – 1¼
Q [m³/h]	max. 8
H [m]	max. 54
p [bar]	max. 10
T [°C]	max. +50
n [rpm]	max. 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, irrigation and washing plants, water supply and rainwater harvesting systems.

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

Set 100

DN	100
Q [m³/h]	max. 6
H [m]	max. 90
T [°C]	max. +30

Data for 50 Hz operation

Description:
Multistage centrifugal pump in shroud design made of stainless steel and plastic (S 100D) or in ring-section design made of stainless steel (UPA 100C) for well diameters of 100 mm and above, complete with drive, control system and lead in box.

Applications:
Domestic water supply and general water supply, irrigation and spray irrigation, drawdown of groundwater levels, fire protection, cooling circuits, fountains, pressure booster and air-conditioning systems.

http://shop.ksb.com/catalog/k0/en/product/ES000535

Multi Eco-Top

Rp	1 – 1¼
Q [m³/h]	max. 8
H [m]	max. 54
p [bar]	max. 7
T [°C]	max. +50
n [rpm]	max. 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, irrigation and washing plants, water supply and rainwater harvesting systems.

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

Movitec VME

Rp	1½
Q [m³/h]	max. 9
H [m]	max. 48
p [bar]	max. 16
T [°C]	max. +60
n [rpm]	max. 2900

Description:
Multistage vertical (horizontal installation upon request) high-pressure centrifugal pump with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design).

Applications:
Single- or two-family houses, agricultural facilities, spray irrigation, irrigation and washing plants, water supply and rainwater harvesting systems. Pressure boosting, hot water and cooling water recirculation and fire-fighting systems.

PumpMeter

http://shop.ksb.com/catalog/k0/en/product/ES000854

Ixo N

Rp	1¼
Q [m³/h]	max. 8
H [m]	max. 65
T [°C]	max. +35
n [rpm]	max. 2900

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, irrigation and washing plants, rainwater harvesting systems and water extraction from wells, reservoirs and rainwater storage tanks.

Switchgear, Cervomatic

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

Ixo-Pro

Rp	1
Q [m³/h]	max. 3.9
H [m]	max. 60
T [°C]	max. +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 RNF power cable with plug included.

Applications:
Rainwater harvesting, pressure boosting, water extraction and irrigation.

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

Filtra N

Rp	2
Q [m³/h]	max. 36
H [m]	max. 21
p [bar]	max. 2.5
T [°C]	max. +35
n [rpm]	max. 2800

Data for 50 Hz operation

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

Hya-Solo EV

Rp	1¼
Q [m³/h]	max. 6
H [m]	max. 50
p [bar]	max. 10
T [°C]	max. +60

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with one vertical high-pressure pump and continuously variable speed adjustment. Design and function as per DIN 1988.
Applications:
Residential buildings, hospitals, office buildings, hotels, department stores, industry, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000883

Hya-Solo D

Rp / DN	1 / 100
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +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

Hya-Solo DSV

Rp / DN	1 / 100
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic variable speed package single-pump system with magnetless high-efficiency KSB SuPremE-IE4 motor (to IEC/CD 60034-30 Ed. 2) with PumpDrive. The system is started as a function of pressure and stopped as a function of flow.
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/ES000251

Hya-Solo D FL

Rp / DN	1 / 100
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +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:
Pressure boosting in fire protection systems to DIN 14462.

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

Hya-Duo D FL

Rp / DN	2 / 150
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +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:
Pressure boosting in fire protection systems to DIN 14462.

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

Hya-Solo D FL Compact

DN	50 – 80
Q [m³/h]	max. 48
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +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 applications to DIN 14462.

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

Hya-Duo D FL Compact

DN	50 – 80
Q [m³/h]	max. 48
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic, ready-to-connect break tank package booster set for fire fighting, comprising a dual-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 applications to DIN 14462.

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

Hya-Eco VP

Rp / DN	2 / 80
Q [m³/h]	max. 70
H [m]	max. 120
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system, with either 2 or 3 vertical high-pressure pumps and continuously variable speed adjustment of all pumps for fully electronic control of the required supply pressure, with two standard volt-free changeover contacts for fault indication. Design and function as per DIN 1988. 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/ES000596

Hyamat K

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system, with 2 to 6 vertical high-pressure pumps and fully electronic control to ensure the required supply pressure, with volt-free changeover contact for general fault indication and live-zero monitoring of the connected sensors, design and function to DIN 1988. 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/ES000247

Hyamat V

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with 2 to 6 vertical high-pressure pumps and continuously variable speed adjustment of one pump; for fully electronic control of the required supply pressure. Design and function as per DIN 1988. 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/ES000417

Hyamat SVP

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with KSB SuPremE-IE4 motor and 2 to 6 vertical high-pressure pumps and continuously variable speed adjustment of all pumps by PumpDrive; for fully electronic control of the required supply pressure. Design and function as per DIN 1988. Automated with BoosterControl and PumpDrive.

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

http://shop.ksb.com/catalog/k0/en/product/ES000418

Superbloc SBC.B

Rp	1½
Q [m³/h]	max. 12
H [m]	max. 95
p [bar]	max. 10
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system, with one pump and 200-litre membrane-type accumulator. Pressure-controlled starting and stopping.

Applications:
Water supply in small multiple dwelling buildings, spray irrigation, rainwater harvesting.

http://shop.ksb.com/catalog/k0/en/product/ES000432

Surpress Eco SE.2.B

Rp / DN	2 / 80
Q [m³/h]	max. 70
H [m]	max. 100
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system, with either 2 or 3 vertical high-pressure pumps, with fully electronic control to ensure the required supply pressure, with standard volt-free changeover contact for general fault indication and live-zero monitoring of the connected sensors. Automated with BoosterControl.

Applications:
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000595

Surpress Eco SE.2.B VP

Rp / DN	2 / 80
Q [m³/h]	max. 70
H [m]	max. 120
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with either 2 or 3 vertical high-pressure pumps. Continuously variable speed adjustment of all pumps for fully electronic control of the required supply pressure, with two standard volt-free changeover contacts for fault indication. Automated with BoosterControl and PumpDrive.

Applications:
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000695

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

Surpresschrom SIC.2

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system, with 2 to 6 vertical high-pressure pumps, with fully electronic control system ensuring the required supply pressure, with standard volt-free changeover contact for general fault indication and live-zero monitoring of the connected sensors. Automated with BoosterControl.

Applications:
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000439

Surpresschrom SIC.2 V

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with 2 to 6 vertical high-pressure pumps. Continuously variable speed adjustment of one pump with PumpDrive for fully electronic control of the required supply pressure. Automated with BoosterControl and PumpDrive.

Applications:
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000702

Surpresschrom SIC.2 SVP

Rp / DN	2 / 250
Q [m³/h]	max. 660
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with 2 to 6 vertical high-pressure pumps. Continuously variable speed adjustment of all pumps with PumpDrive for fully electronic control of the required supply pressure. Automated with BoosterControl and PumpDrive.

Applications:
Pressure boosting in residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000701

Surpressbloc SB

DN	100 – 200
Q [m³/h]	max. 640
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with two to four vertical high-pressure pumps and fully electronic control system ensuring the required supply. Automated with PLC.

Applications:
Industry and other applications. For handling service water and cooling water not chemically or mechanically aggressive to the pump materials.

Surpress Feu SFE

Rp	2½
Q [m³/h]	max. 40
H [m]	max. 76
p [bar]	max. 10
T [°C]	max. +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

Surpress SP

Rp	1½ – 2
Q [m³/h]	max. 36
H [m]	max. 70
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with either two or three vertical high-pressure pumps and fully electronic control unit ensuring the required supply pressure at the consumer installations. Design and functions to EN 806-2.

Applications:
Residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000886

Surpress SP VP

Rp	1½ – 2
Q [m³/h]	max. 36
H [m]	max. 70
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Description:
Fully automatic package pressure booster system with either two or three vertical high-pressure pumps. Continuously variable speed adjustment of all pumps for fully electronic control of the required supply pressure at the consumer installations. Design and function to DIN EN 806-2 and DIN 1988. Automated with BoosterControl.

Applications:
Residential buildings, hospitals, office buildings, hotels, department stores, industrial plants, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000892

Drainage pumps / waste water pumps

Ama-Drainer N 301 – 358

Rp	1¼ – 1½
Q [m³/h]	max. 16.5
H [m]	max. 12
T [°C]	max. +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.

Switchgear, LevelControl

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

Ama-Drainer 4../5..

Rp	1½ – 2
Q [m³/h]	max. 50
H [m]	max. 24
T [°C]	max. +40

Data for 50 Hz operation
Also available for 60 Hz

Description:
Vertical single-stage fully floodable submersible motor pumps 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.

Switchgear, LevelControl

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

Ama-Drainer 80, 100

Rp / DN	2½ / 100
Q [m³/h]	max. 130
H [m]	max. 26
T [°C]	max. +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.

Switchgear, LevelControl

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

Ama-Porter F / S

DN	50 – 65
Q [m³/h]	max. 40
H [m]	max. 21
T [°C]	max. +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, fluids containing gas/air, removing waste water from flooded rooms or surfaces.

Switchgear, LevelControl

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

Rotex

Rp	1¼ – 2
Q [m³/h]	max. 24
H [m]	max. 14
Inst. depth [m]	max. 1.7
T [°C]	max. +90
n [rpm]	max. 2900

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 / DN	2 / 50
Q [m³/h]	max. 36
H [m]	max. 19
Inst. depth [m]	max. 2.8
T [°C]	max. +200
n [rpm]	max. 3500

Data for 50 Hz operation

Description:
Vertical submersible pump with three-channel impeller, volute casing designed as inlet strainer.
Applications:
For pumping condensate and heat transfer liquids 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).

Switchgear, LevelControl

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

Lifting units / pump stations

AmaDS³

Q [m³/h]	max. 200
H [m]	max. 85
T [°C]	depending on pump

Higher ratings possible upon request.

Description:
Waste water pump station with solids separation system. Indirect hydraulic transport of waste water, solids separators arranged upstream of the pumps, for maximum economic efficiency, operating reliability and ease of servicing.
Applications:
Municipal and industrial waste water transport. Applications with special drainage requirements, e.g. hotels, hospitals, campgrounds, etc.

LevelControl

http://shop.ksb.com/catalog/k0/en/product/ES000858

Kondensat-Lift

Q [m³/h]	max. 0.35
H [m]	max. 4.5
T [°C]	max. +50

Data for 50 Hz operation

Description:
Automatic condensate lifting unit.
Applications:
Fully automatic pumping of condensate generated below the flood level by condensing boilers, air-conditioning and cooling systems.

http://shop.ksb.com/catalog/k0/en/product/ES000908

Ama-Drainer-Box Mini

DN	40
Q [m³/h]	max.10
H [m]	max. 6.5
T [°C]	max. +35

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. To EN 12050-2.
Applications:
Automatic drainage of washbasins, showers, washing machines, dishwashers, etc. 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

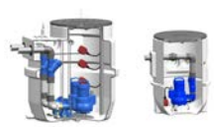
DN	40 – 50
Q [m³/h]	max. 46
H [m]	max. 24
T [°C]	max. +40

Data for 50 Hz operation

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:
Washbasins, showers, washing machines, garage driveways, basements and rooms at risk of flooding, etc.

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

Evamatic-Box N



DN	50 – 65
Q [m³/h]	max. 40
H [m]	max. 21
T [°C]	max. +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

Eva-Clean

Rp	1¼
Q [m³/h]	max. 8
H [m]	max. 7
T [°C]	max. +50

Data for 50 Hz operation

Description:
Single-piece water-tight collecting tank made of PE-HD, equipped with Ama-Drainer N submersible motor pump with integrated float switch.
Applications:
Disposal of domestic waste water from septic tanks and/or sand filters. For pumping pre-screened domestic waste water.

http://shop.ksb.com/catalog/k0/en/product/ES000712

mini-Compacta

DN	32 – 100
Q [m³/h]	max. 36
H [m]	max. 25
T [°C]	max. +65

Data for 50 Hz operation

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

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

Compacta

DN	80 – 100
Q [m³/h]	max. 140
H [m]	max. 24
T [°C]	max. +65

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]	max. 22
H [m]	max. 49
T [°C]	max. +40

Data for 50 Hz operation

Description:
Ready-to-connect package single-pump or dual-pump station 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:
Building and property drainage, waste water disposal, property 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]	max. 50
H [m]	max. 39
T [°C]	max. +40

Data for 50 Hz operation

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

Applications:
Building and property drainage, waste water disposal, property 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]	max. 40
H [m]	max. 21
T [°C]	max. +40

Data for 50 Hz operation

Description:
Ready-to-connect package single-pump or dual-pump station with PE-LLD (polyethylene) collecting tank for buried installation. With either one or two non-explosion-proof Ama-Porter submersible waste water pumps. Tank design to DIN 1986-100 and EN 752 /EN 476.

Applications:
Building and property drainage, waste water disposal, property renovation, joint sewage disposal for multiple residential units, pumped drainage.

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

SRP

DN	50 – 150
Q [m³/h]	max. 500
H [m]	max. 68
T [°C]	max. +40

Description:
Ready-to-connect package single-pump or dual-pump station with fibreglass collecting tank for buried installation.

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

Switchgear

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

Submersible motor pumps

Amarex N S32

DN	32
Q [m³/h]	max. 16.5
H [m]	max. 29.5
T [°C]	max. +40

Data for 50 Hz operation

Description:
Vertical single-stage submersible motor pump for wet installation, 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:
Amarex N S 32-160 submersible motor pumps with cutter are used for pumping waste water in intermittent operation, domestic waste water, raw water, waste water containing faeces.

Switchgear, LevelControl

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

Amarex N

DN	50 – 100
Q [m³/h]	max. 190
H [m]	max. 49
T [°C]	max. +60

Data for 50 Hz operation

Also available for 60 Hz

Description:
Vertical single-stage submersible motor pump for wet installation, 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:
For pumping waste water, especially untreated waste water containing long fibres and solid substances, fluids containing gas or air, and raw, activated and digested sludge; for dewatering and water extraction, drainage of rooms and areas at risk of flooding.

Switchgear, LevelControl

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

Amarex KRT

DN	40 – 700
Q [m³/h]	max. 10080
H [m]	max. 120
T [°C]	max. +60
n [rpm]	max. 2900

Data for 50 Hz operation

Also available for 60 Hz

Description:
Vertical single-stage submersible motor pump in close-coupled design, with various impeller types, for wet installation, stationary or transportable version. ATEX-compliant version available.

Applications:
For pumping abrasive or aggressive 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.

Amacontrol, LevelControl

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

Amarex KRT, with jacket cooling

DN	100 – 700
Q [m³/h]	max. 10080
H [m]	max. 120
p [bar]	max. 10
T [°C]	max. +40
n [rpm]	max. 1450

Data for 50 Hz operation

Also available for 60 Hz

Description:
Vertical single-stage submersible motor pump in close-coupled design, with various impeller types, for wet or dry installation.

Applications:
For pumping waste water in waste water management and industry, especially untreated waste water containing long fibres and solid substances, fluids containing gas or air, and raw, activated and digested sludge.

Amacontrol, LevelControl

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

Amarex KRT, with convection cooling

DN	80 – 200
Q [m³/h]	max. 550
H [m]	max. 25
T [°C]	max. +40
n [rpm]	max. 1450

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 impeller types, for wet or dry installation, stationary or transportable version, with energy-saving motor.

Applications:
For pumping waste water in waste water management and industry, especially untreated waste water containing long fibres and solid substances, fluids containing gas or air, and raw, activated and digested sludge.

Amacontrol, LevelControl

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

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

Submersible pumps in discharge tubes

Amacan K

DN	700 – 1400
Q [m³/h]	max. 7200
H [m]	max. 30
T [°C]	max. +40
n [rpm]	max. 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:
For handling pre-cleaned chemically neutral waste water, industrial effluent, sewage, fluids not containing any stringy substances, pre-treated by screens and overflow sills; as waste water, mixed 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]	max. 25200
H [m]	max. 12
T [°C]	max. +40
n [rpm]	max. 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 and flood control, aquaculture.

Amacontrol

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

Amacan S

DN	650 – 1300
Q [m³/h]	max. 10800
H [m]	max. 40
T [°C]	max. +30
n [rpm]	max. 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:
For pumping water not containing stringy material in irrigation and drainage pumping stations, general water supply systems, water pollution and flood control.

Amacontrol

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

Mixers / agitators / tank cleaning units

Amamix

Propeller Ø [mm]	200 – 600
Inst. depth [m]	max. 30
T [°C]	max. +40
n [rpm]	max. 1400

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:
For handling municipal and industrial waste water and sludges in environmental engineering (also in biogas plants).

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

Amaprop

Propeller Ø [mm]	1000 – 2500
Inst. depth [m]	max. 30
T [°C]	max. +40
n [rpm]	max. 109

Description:
Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, with coaxial spur gear drive. ATEX-compliant version available.
Applications:
Environmental engineering, particularly for handling municipal and industrial waste water and sludges. For circulating, keeping in suspension and inducing flow in nitrification and denitrification tanks, activated sludge tanks, mixing tanks, final storage tanks, biological phosphate elimination tanks, flocculation tanks and in biogas applications.

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

Amajet

DN	100 – 150
Q [m³/h]	max. 195
T [°C]	max. +40
n [rpm]	max. 1450

Data for 50 Hz operation
Also available for 60 Hz

Description:
Stationary or portable unit with horizontally or vertically mounted submersible propulsive jet pump with non-clogging free-flow impeller. Motor ratings of 5.5 to 27 kW. Available variants: Amajet, SewerAmajet, SwingAmajet, MultiAmajet.
Applications:
For cleaning stormwater tanks and storage sewers.

http://shop.ksb.com/catalog/k0/en/product/ES000097

Amaline

DN	300 – 800
Q [m³/h]	max. 5400
H [m]	max. 2
T [°C]	max. +40
n [rpm]	max. 960

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

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

Pumps for solids-laden fluids

Sewatec

DN	50 – 700
Q [m³/h]	max. 10000
H [m]	max. 115
p [bar]	max. 10
T [°C]	max. +70
n [rpm]	max. 2900

Description:
Volute casing pump for horizontal or vertical installation, with free-flow (F), single-channel (E), multi-channel (K) or diagonal single-vane impeller (D), discharge flange to DIN and ANSI standards. ATEX-compliant version available.

Applications:
For pumping untreated sewage and waste water in waste water management and industry.

PumpDrive, LevelControl

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

Sewabloc

DN	50 – 200
Q [m³/h]	max. 1000
H [m]	max. 80
p [bar]	max. 10
T [°C]	max. +70
n [rpm]	max. 2900

Description:
Close-coupled volute casing pump for horizontal or vertical installation, with free-flow (F), multi-channel (K) or diagonal single-vane impeller (D), discharge flange to DIN and ANSI standards. ATEX-compliant version available.

Applications:
For pumping untreated sewage and waste water in waste water management and industry.

PumpDrive, LevelControl

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

KWP / KWP-Bloc

DN	40 – 900
Q [m³/h]	max. 15000
H [m]	max. 100
p [bar]	max. 10
T [°C]	-40 to +140
n [rpm]	max. 2900

Description:
Horizontal radially split volute casing pump in close-coupled or back pull-out design, single-stage, single-entry, available with various impeller types: channel impeller, open multi-channel impeller and free-flow impeller. ATEX-compliant version available.

Applications:
For pumping pre-treated sewage, waste water, slurries without stringy material and pulps up to 5 % bone dry with a maximum density of 2000 kg/m³.

PumpDrive

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

Slurry pumps

WBC

Q [m³/h]	max. 13600
H [m]	max. 80
p [bar]	max. 40
T [°C]	max. +120

Description:
Patented design with state-of-the-art hydraulic and wear technologies 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 and for dredging.

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

LSA-S

Q [m³/h]	max. 14000
H [m]	max. 90
p [bar]	max. 16
T [°C]	max. +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 wetted end combined with the cartridge bearing assembly provides maximum reliability 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]	max. 3405
H [m]	max. 90
p [bar]	max. 16
T [°C]	max. +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 inspections.
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]	max. 2455
H [m]	max. 42
p [bar]	max. 16
T [°C]	max. +65

Description:
Interchangeable rubber-lined or part-metal design allows adaptation of existing pumps to new applications by simply exchanging the wetted pump 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]	max. 18200
H [m]	max. 90
p [bar]	max. 55
T [°C]	max. +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 plates 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 tailings, dredged material, pipeline booster stations and other severe duties.

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

LCV

Q [m³/h]	max. 2045
H [m]	max. 38
p [bar]	max. 14
T [°C]	max. +120

Description:
Rugged vertical shaft submersible pump with casing, impeller and suction plate / liner made of white cast iron, bearing assembly located out of product. 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]	max. 22700
H [m]	max. 45
p [bar]	max. 17
T [°C]	max. +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

Mega

Q [m³/h]	max. 45
H [m]	max. 30
p [bar]	max. 24
T [°C]	max. +120

Description:
Horizontal end-suction volute casing pump with open three-vane impeller for handling solids-laden liquids.

Applications:
Low-volume hydrotransport of solids-laden liquids and abrasive slurries.

http://shop.ksb.com/catalog/k0/en/product/ES000229

MHD

Q [m³/h]	max. 32000
H [m]	max. 80
p [bar]	max. 28
T [°C]	max. +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]	max. 21600
H [m]	max. 65
p [bar]	max. 17
T [°C]	max. +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]	max. 14000
H [m]	max. 90
p [bar]	max. 16
T [°C]	max. +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]	max. 400
H [m]	max. 35
p [bar]	max. 10
T [°C]	max. +120

Description:
Rugged vertical shaft submersible pump with casing, impeller and suction cover made of white cast iron, top and bottom impeller inlet. 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]	max. 8175
H [m]	max. 35
p [bar]	max. 10
T [°C]	max. +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

Self-priming pumps

Etaprime L

DN	25 – 125
Q [m³/h]	max. 180
H [m]	max. 85
p [bar]	max. 10
T [°C]	max. +90

Data for 50 Hz operation
Also available for 60 Hz

Description:
Horizontal self-priming volute casing pump in back pull-out design, single-stage, with open multi-vane impeller, long-coupled. ATEX-compliant version available.
Applications:
For pumping clean, contaminated or aggressive liquids not containing abrasive or solid substances.

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

Etaprime B

DN	25 – 100
Q [m³/h]	max. 130
H [m]	max. 70
p [bar]	max. 10
T [°C]	-30 to +90

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 (BN). ATEX-compliant version available.
Applications:
For pumping clean, contaminated or aggressive liquids not containing abrasive or solid substances.

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

EZ B/L

DN	25 – 50
Q [m³/h]	max. 21
H [m]	max. 160
p [bar]	max. 16
T [°C]	-5 to +80
n [rpm]	max. 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.

http://shop.ksb.com/catalog/k0/en/product/ES000754

Submersible borehole pumps

S 100D

DN	100
Q [m³/h]	max. 16
H [m]	max. 300
T [°C]	max. +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, irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster and air-conditioning systems.

Switchgear, Cervomatic

http://shop.ksb.com/catalog/k0/en/product/ES000563

UPA 100C

DN	100
Q [m³/h]	max. 15
H [m]	max. 400
T [°C]	max. +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, irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster and air-conditioning systems. UPA 100C is also suitable for drinking water applications to ACS.

Switchgear, Cervomatic

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

UPA 150C

DN	150
Q [m³/h]	max. 79
H [m]	max. 440
T [°C]	max. +50

Description:
All-stainless steel single-stage or multistage centrifugal pump in ring-section design for well diameters of 150 mm (6 inches) and above.
Applications:
For pumping clean or slightly contaminated water, irrigation and drainage, spray irrigation, industrial and municipal water supply, drawdown and maintenance of groundwater levels, fire fighting, supply of drinking, raw and service water, pressure boosting.

PumpDrive

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

UPA 200, 200B, 250C

DN	200 – 250
Q [m³/h]	max. 330
H [m]	max. 460
T [°C]	max. +50

Description:
Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Optionally available with lift check valve or connection branch.
Applications:
For pumping clean or slightly contaminated water in general water supply, spray irrigation and irrigation, drawdown and maintenance of groundwater levels, fountains and pressure booster systems, mining, fire-fighting systems, emergency water supply, etc.

PumpDrive

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

UPA 300, 350

DN	300 – 350
Q [m³/h]	max. 840
H [m]	max. 480
T [°C]	max. +50

Description:
Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Mixed flow hydraulic systems with impellers that can be turned down. Optionally available with lift check valve or connection branch.
Applications:
For pumping clean or slightly contaminated water in general water supply, spray irrigation and irrigation, drawdown and maintenance of groundwater levels, mining, fountains and fire-fighting systems, etc.

PumpDrive

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

UPZ, BSX-BSF

DN	> 350
Q [m³/h]	max. 2200
H [m]	max. 1500
T [°C]	max. +50

Description:
Single-stage or multistage single-entry (BSX-BSF) or double-entry (UPZ) centrifugal pump in ring-section design for vertical or horizontal installation.

Applications:
For pumping clean or slightly contaminated water, for drawdown and maintenance of groundwater levels, in mining.

PumpDrive

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

Deep-well turbine pumps

BEV

DN	80 – 400
Q [m³/h]	max. 2200
H [m]	max. 350
p [bar]	max. 40
T [°C]	+5 to +75
n [rpm]	max. 3000

Data for 50 Hz operation

Also available for 60 Hz

Description:
Multistage deep-well turbine pump with closed impellers, column section with bearing assembly, shaft sleeve, shaft sealed by gland packing, driven by electric motor or diesel engine. ATEX-compliant version available.

Applications:
For pumping clean water in agriculture, collection and irrigation, public water supply, industry, fire-fighting systems; main lubricating oil pump for diesel engines in shipbuilding (BEV-LO version).

http://shop.ksb.com/catalog/k0/en/product/ES000716

High-pressure pumps

Comeo

Rp / DN	1 – 1¼ / 25 – 32
Q [m³/h]	max. 9
H [m]	max. 55
p [bar]	max. 10
T [°C]	-10 to +60
n [rpm]	max. 2900

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

Frequency inverter

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

Movitec

Rp / DN	1 – 2 / 25 – 100
Q [m³/h]	max. 113
H [m]	max. 401
p [bar]	max. 40
T [°C]	max. +140
n [rpm]	max. 2900

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. ATEX-compliant version available.
Applications:
Spray irrigation, irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.

PumpMeter, PumpDrive, KSB SuPremE

http://shop.ksb.com/catalog/k0/en/product/ES000854

Movitec VCI

Rp / DN	1¼ – 2 / 32 – 50
Q [m³/h]	max. 23.8
H [m]	max. 249
p [bar]	max. 25
T [°C]	max. +120
n [rpm]	max. 2900

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

PumpDrive, KSB SuPremE

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

Multitec

DN	32 – 200
Q [m³/h]	max. 850
H [m]	max. 1000
p [bar]	max. 100
T [°C]	-10 to +200
n [rpm]	max. 3500

Description:
Multistage centrifugal pump in ring-section design. Horizontal installation in long-coupled or close-coupled design. Vertical installation in close-coupled design or with universal joint shaft. With either one or two roller bearings. Axial or radial suction nozzle, radial discharge nozzle. Radial suction and discharge nozzles can be turned in steps of 90°. ATEX-compliant and ACS-compliant versions available.
Applications:
Water and drinking water supply systems, industry, pressure booster systems, irrigation systems, power stations, heating, filter, fire-fighting, reverse osmosis and snow-making systems, washing plants, etc.

PumpMeter, PumpDrive, KSB SuPremE

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

Axially split pumps

Omega

DN	80 – 350
Q [m³/h]	max. 2880
H [m]	max. 210
p [bar]	max. 25
T [°C]	max. +140
n [rpm]	max. 3500

Data for 50 Hz and 60 Hz operation
Higher ratings possible upon request.

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:
For 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, PumpDrive

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

RDLO

DN	350 – 700
Q [m³/h]	max. 10000
H [m]	max. 240
p [bar]	max. 25
T [°C]	max. +140
n [rpm]	max. 1800

Data for 50 Hz and 60 Hz operation
Higher ratings possible upon request.

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:
For 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]	max. 18000
H [m]	max. 550
p [bar]	max. 64
T [°C]	max. +80
n [rpm]	max. 1800

Data for 50 Hz and 60 Hz operation
Higher ratings possible upon request.

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:
For pumping water with a low solids content, e.g. in waterworks and long-distance water supply.

PumpMeter, Frequency inverter

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

Hygienic pumps

Vitachrom

DN	50 – 125
Q [m³/h]	max. 340
H [m]	max. 100
p [bar]	max. 12
T [°C]	max. +140

Data for 50 Hz operation
Also available for 60 Hz

Description:
Service-friendly non-priming, close-coupled single-stage hygienic pump in back pull-out design. The pump features a semi-open impeller and electropolished surfaces. It is very easy to clean by CIP/SIP thanks to its almost complete lack of dead volume or narrow clearances. Its wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. 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 and in the chemical industry.

PumpDrive, KSB SuPremE

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

Vitacast

DN	25 – 150
Q [m³/h]	max. 560
H [m]	max. 100
p [bar]	max. 10
T [°C]	max. +140

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

Description:
Service-friendly volute casing pump with standardised motor. 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 and in the chemical industry.

PumpDrive

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

Vitaprime

DN	40 – 80
Q [m³/h]	max. 55
H [m]	max. 45
p [bar]	max.10
T [°C]	max. +140

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

Description:
Service-friendly (self-priming) side channel pump in close-coupled design with a standardised motor. All wetted components are made of 1.4404/1.4409 (AISI 316L/CF3M) stainless steel. Hygienic design for the highest requirements of cleanability (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 and in the chemical industry.

PumpDrive

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

Vitastage

Q [m³/h]	max. 40
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +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 moderate hygienic requirements in the food and beverage industries and in the chemical industry.

PumpDrive

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

Vitalobe

DN	25 – 200 (1"– 8")
Q [m³/h]	max. 300
H [m]	max. 200
p [bar]	max. 30
T [°C]	-40 to +200
Viscosity [cP]	max. 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, highly CIP/SIP-compatible 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 geared standardised motor. Vitalobe is EHEDG-certified. The pump elastomers comply with FDA standards and EN 1935/2004. Accessories include trolley, heatable casing or casing cover and overpressure protection unit. ATEX-compliant version is 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.

PumpDrive

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

Pumps for power station conventional islands

CHTA / CHTC / CHTD

DN	100 – 500
Q [m³/h]	max. 3700
H [m]	max. 5300
p [bar]	max. 560
T [°C]	max. +210
n [rpm]	max. 6750

Also available for 60 Hz

Higher ratings possible upon request.

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

Applications:
For 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]	max. 2300
H [m]	max. 5300
p [bar]	max. 560
T [°C]	max. +210
n [rpm]	max. 7000

Also available for 60 Hz

Higher ratings possible upon request.

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

Applications:
For pumping feed water and condensate in power stations and industrial plants, pressurised water generation for bark peeling and descaling units, snow guns, etc.

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

HGM

DN	25 – 100
Q [m³/h]	max. 274
H [m]	max. 1400
p [bar]	max. 140
T [°C]	max. +160
n [rpm]	max. 3600

Also available for 60 Hz

Higher ratings possible upon request.

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

Applications:
For 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]	max. 4500
H [m]	max. 370
p [bar]	max. 40
T [°C]	max. +210
n [rpm]	max. 1800

Higher ratings possible upon request.

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

Applications:
For 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]	max. 7000
H [m]	max. 300
p [bar]	max. 350
T [°C]	max. +380
n [rpm]	max. 3600

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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]	max. 1500
H [m]	max. 370
p [bar]	max. 40
T [°C]	max. +140
n [rpm]	1500

Data for 50 Hz operation
Higher ratings possible upon request.

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

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

SEZ / SEZT / PHZ / PNZ

Q [m³/h]	max. 80000
H [m]	max. 120
T [°C]	max. +40
n [rpm]	max. 980

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

Description:
Vertical tubular casing pump with open mixed flow impeller (SEZ), mixed flow propeller (PHZ) or axial propeller (PNZ), pump inlet with bellmouth or suction elbow, pull-out design available, discharge nozzle arranged above or below floor level, flanges to DIN or ANSI standards available.
Applications:
For pumping raw, clean, service and cooling water in industry, water supply systems, power stations and seawater desalination plants.

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

SNW / PNW

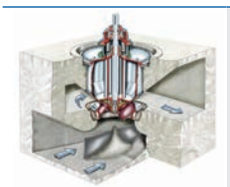
DN	350 – 800
Q [m³/h]	max. 9000
H [m]	max. 50
p [bar]	max. 10
T [°C]	max. +60
n [rpm]	max. 1500

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

Description:
Vertical tubular casing pump with mixed flow impeller (SNW) or axial propeller (PNW), single-stage, with maintenance-free Residur bearings, discharge nozzle arranged above or below floor level.
Applications:
Irrigation and drainage systems, stormwater pumping stations, pumping raw and clean water, water supply, cooling water.

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

Beveron



Q [m³/h]	max. 30
H [m]	max. 27

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

Description:
Concrete volute casing pump with mixed flow impeller, single-stage, with zero-maintenance lubricant-free Residur bearings.
Applications:
Coast protection and flood control, irrigation and drainage, low-lift pumping stations, reservoir filling, cooling water, raw and clean water.

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

SPY

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

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

Description:
Long-coupled volute casing pump, single-stage, in back pull-out design.
Applications:
Irrigation, drainage and water supply systems, for pumping condensate, cooling water, service water, etc.

http://shop.ksb.com/catalog/k0/en/product/ES000422

Pumps for nuclear power stations

RER

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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

Applications:
Reactor coolant recirculation in nuclear power stations.

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

RSR

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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

Applications:
Reactor coolant recirculation in nuclear power stations.

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

RUV

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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

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

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

PSR

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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

Applications:
Reactor coolant recirculation in boiling water reactors.

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

RHD

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

Available for 50 Hz and 60 Hz

Higher ratings possible upon request.

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

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

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

LUV Nuclear

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

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

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

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

Description:
Horizontal multistage barrel pull-out pump.

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

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

RVM

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

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

Description:
Vertical multistage barrel pull-out pump.

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

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

RHR

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

Available for 50 Hz and 60 Hz

Description:
Horizontal annular 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	max. 500
Q [m³/h]	max. 6000
H [m]	max. 190
p [bar]	max. 63
T [°C]	max. +200
n [rpm]	max. 3600

Available for 50 Hz and 60 Hz

Description:
Vertical annular 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

Pumps for desalination by reverse osmosis

RPH-RO

DN	100 – 350
Q [m³/h]	max. 2500
H [m]	max. 110
p [bar]	max. 80
T [°C]	max. +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

HGM-RO

DN	65 – 250
Q [m³/h]	max. 1500
H [m]	max. 950
p [bar]	max. 120
T [°C]	max. +40
n [rpm]	max. 3600

Also available for 60 Hz
Higher ratings possible upon request.

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]	max. 850
H [m]	max. 1000
p [bar]	max. 100
T [°C]	max. +45
n [rpm]	max. 3500

Description:
Horizontal, multistage centrifugal pump in ring-section design. Axial 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.

PumpDrive, KSB SuPremE

http://shop.ksb.com/catalog/k0/en/product/ES000508

Salino Pressure Center

Q [m³/h]	8.3 – 23
p [bar]	max. 80
T [°C]	max. +50
n [rpm]	max. 1750

Data for 50 Hz and 60 Hz operation

Description:
Axial piston pump with integrated energy recovery device in forged duplex stainless steel. Product-lubricated (oil-free).
Applications:
Seawater desalination by reverse osmosis (RO) for small and medium-sized systems.

http://shop.ksb.com/catalog/k0/en/product/ES000887

Positive displacement pumps

RC / RCV

DN	20 – 100
Q [m³/h]	max. 78
H [m]	max. 100
p [bar]	max. 10
T [°C]	+5 to +80
n [rpm]	max. 1500

Data for 50 Hz operation
Also suitable for 60 Hz operation

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]	max. 840
H [m]	max. 140
p [bar]	max. 16
T [°C]	+5 to +50
n [rpm]	max. 3000

Data for 50 Hz operation
Also suitable for 60 Hz operation

Description:
Automatic fire-fighting system consisting of 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, FM, 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]	max. 2500
H [m]	max. 150
p [bar]	max. 25
T [°C]	+5 to +50
n [rpm]	max. 3000

Data for 50 Hz operation
Also suitable for 60 Hz operation

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

No. of pumps	max. 1
Voltage [V]	1~230

Description:
Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump.
Applications:
For water supply systems in combination with Multi Eco, Ixo, UPA 100C and S 100D.

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

Controlmatic E.2

No. of pumps	max. 1
Voltage [V]	1~230

Description:
Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump.
Applications:
For water supply systems in combination with Multi Eco, Multichrom S, Ixo, UPA 100C, S 100D.

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

Cervomatic EDP.2

No. of pumps	max. 1
Voltage [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:
For water supply systems with pumps of the Multi Eco, Ixo, UPA 100C, S 100D and UPA 150C type series with single-phase or three-phase motors.

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

LevelControl Basic 2

No. of pumps	max. 2
P [kW]	max. 22
Voltage [V]	1~230 / 3~400

Higher ratings and other mains voltages available 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 via float switches, digital switches, 4...20 mA, pneumatic (w/o compressor) or bubbler system in building services and waste water applications. Tank filling using float switches, digital switches or 4...20 mA in building services and water supply applications.

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

UPA Control

No. of pumps	max. 1
P [kW]	3
Voltage [V]	1~230 / 3~400

Description:
The control unit from KSB 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:
Water supply systems in conjunction with UPA 100C, S 100D and UPA 150C.

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

Hyatronic N

No. of pumps	max. 6
P [kW]	22
Voltage [V]	3~400

Higher ratings and other mains voltages available on request

Description:
Pump control system in control cabinet for cascade starting and stopping of up to 6 pumps on the mains.

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

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

Monitoring and diagnosis

Amacontrol

No. of pumps	max. 1
Type	Amacan
Voltage [V]	230 V AC

Description:
Monitoring system for submersible motor pumps, with tripping function.

Control system

BOA-Systronic

No. of pumps	max. 1
PN	6 / 10 / 16
DN	20 – 200
Voltage [V]	24 V AC
T [°C]	+20 to +120

Higher ratings possible upon request.

Description:
Energy-saving system for the coordinated operation of pump and control valve. The system provides an all-in solution designed to access untapped hydraulic savings potential. Irrespective of the pump technology used, it allows savings of 50 % in pump electricity while also reducing primary energy costs thanks to lower return flow temperatures. The system can be combined with all control systems and pumps with a 0-10 V control input. Straightforward integration in automation systems with optional BACnet gateway.

Applications:
Supply temperature control in HVAC installations with volume flow rates of 0.5 to 185 m³/h and temperature differentials of 3 to 30 K. Threaded (DN20) or flanged (DN25-DN200) line connections; suitable for upgrading installed systems and for new systems, for connection to all types of heat generators (boiler or district heating), all main feed manifolds, all control systems, all supply temperatures.

http://shop.ksb.com/catalog/k0/en/product/ES000494

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