



Solutions. For Life.

PRODUCT PORTFOLIO

Pumps | Automation



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Our goal: Quality down to the smallest detail

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

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

How KSB puts quality into daily practice

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



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

KSB – Your Global Partner for Smart Solutions and Reliable Service

KSB is much more than a manufacturer of pumps and valves. Active around the world with sites in more than 100 countries and with a close-knit network of service centres and authorised partners, we are always close by, whether it's consultation, servicing or fast spare parts supply you're looking for. Our local presence means short distances, fast response times, and contact persons who speak your language– literally and figuratively.

Trust through experience: in-depth consultation

Decades of experience and our well-founded application know-how make us a reliable partner for your projects. Whether in industry, water engineering, building services or energy supply: We are familiar with the requirements and can offer you competent and solution-oriented advice. Quality is our top measure of success, in technology and engineering as well as in personal exchange.



Digital pathways: modern purchasing options and smart tools

Our customers not only benefit from us being physically close by; they also enjoy our digital solutions that make their day-to-day work easier. Via MyKSB, our digital customer portal, you can conveniently configure, order and manage products. With intelligent selection software, interactive planning aids, video instructions, specialist technical information to download and online seminars we offer you practice-based support – anytime, anywhere. The KSB SupremeServ Academy supplements this offer with professional training sessions for your staff, from the basics through to expert knowledge.

Service throughout the entire life cycle

KSB accompanies you from the initial idea through to the last maintenance. We offer comprehensive solutions, from commissioning and servicing through to maintenance concepts specially tailored to your requirements.

System analyses help optimise the efficiency and availability of your pump systems in a targeted manner. Our monitoring service provides transparency during operation and helps detect non-conformities at an early stage to prevent any damage. If spare parts are needed they can be delivered fast from our global spare parts warehouses. By using reverse engineering we can also supply perfectly fitting non-KSB components, fast and reliably.

Innovation that keeps things moving: smart products and solutions

For our products and solutions we use state-of-the-art technologies that offer the best and most future-oriented answer to your requirements. Efficiency, quality and sustainability are just as much a focus as are digital intelligence and continuous technical development.

Our smart pumps and valves feature modern sensors and connectivity. They enable intelligent control, support automated processes and supply valuable data for optimising your operation. This is how we create the basis for more transparency, energy efficiency and operating reliability – today and tomorrow.

A particular highlight is "Parts On Demand", our made-to-order additive manufacturing service for all industries: We manufacture tailor-made individual components and realise complex geometries, using certified materials of the highest quality. Whether a one-off component or a small batch: Parts On Demand opens up new opportunities in design and functionality.

Focus on sustainability

With innovative technologies and responsible solutions we help you conserve resources and reduce your carbon footprint. As a responsible employer, we are committed to fair working conditions and equal opportunities worldwide.

KSB: Solutions. For Life.

The name KSB has been synonymous with quality, reliability and the power of innovation for more than 150 years now. Today we are shaping the future of fluid technology. With you. With global strength, digital intelligence and a clear focus on your requirements.



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Pumps

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Drinking water circulators, fixed speed	CalioTherm S	29						•	
Drinking water circulators, variable speed	CalioTherm Pro	29	•					•	
	CalioTherm S Pro	29	•					•	
Heating circulators, variable speed	Calio S Pro	30	•					•	
	Calio Pro Plus	30	•					•	
	Calio Pro Plus Z	30	•					•	
	Calio	30	•					•	
	Calio Z	31	•					•	
	Calio Pro	31	•					•	
	Calio Pro Z	31	•					•	
In-line pumps	EtaLine Pro	31	•			•		•	
	Etaline	32	•	•		•		•	
	Etaline Z	32	•	•		•		•	
	Etaline-R	32	•	•		•		•	
	ILN	32		•	•	•		•	
	ILNC	33		•	•	•		•	
	ILNR	33		•	•	•		•	
	Megaline	33	•	•	•	•		•	
Standardised / close-coupled pumps	Etanorm	34	•	•	•	•	•	•	
	Etabloc	34	•	•	•	•	•	•	
	Etachrom B	34	•	•	•	•	•	•	
	Etachrom L	35	•	•	•	•	•	•	
	Etanorm V	35	•		•	•	•	•	
	Meganorm	35	•	•	•	•	•	•	
	Megabloc	35	•	•	•	•	•	•	
Hot water pumps	HPK-L	36		•		•	•	•	
	HPH	36		•		•	•	•	
	HPK	36	•	•		•	•	•	
	RPH-HW	36		•		•	•	•	
Hot water / thermal oil pumps	Etanorm SYT / RSY	37		•		•		•	
	Etabloc SYT	37	•	•		•		•	
	Etaline SYT	37	•	•		•		•	
Standardised chemical pumps	MegaCPK	38	•	•		•	•		
	CPKN	38	•	•		•	•		
	CPKNO	38	•	•		•	•		
Seal-less pumps	Magnochem	39	•	•		•	•		
	Magnochem 685	39	•	•		•	•		
	Magnochem-Bloc	39		•		•	•		
	Etaseco	39		•	•	•	•	•	
	Etaseco RVP	40		•	•	•	•	•	

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Process pumps	RPH	40				•	•		
	RPH-LF	40				•			
	RPHb / RPHd / RPHbd	40				•	•		
	RPH-V	41				•	•		
	CHTR	41				•	•		
	CHTRa	41			•	•	•		
	CINCP / CINCN	41				•	•		
	INVCP	42			•	•	•		
	Estigia	42			•	•	•		
	RWCP / RWCN	42			•	•	•		
	WKTR / WKTR-E	42				•			
	WKB / WKB-E	43				•			
	Rainwater harvesting systems	HyaRain 2 Plus	43	•		•			•
HyaRain 2		43	•		•			•	
Domestic water supply systems with automatic control unit / swimming pool pumps	MultiEco	44		•	•			•	
	MultiEco Pro	44	•		•				
	Ixo N	44		•	•			•	
	Ixo Pro	44	•		•			•	
	Filtra N	45						•	
Pressure booster systems	DeltaMacro	45	•		•	•		•	
	DeltaCompact	45	•		•			•	
	DeltaBasic	45	•		•	•		•	
	DeltaPrimo	46	•		•	•		•	
	DeltaSolo	46	•		•	•		•	
	DeltaSolo D	46	•		•	•		•	
	HyaSolo 2 D FL	46	•			•		•	
	HyaDuo 2 D FL	47	•			•		•	
	HyaSolo 2 D FL Compact	47	•			•		•	
	HyaDuo 2 D FL Compact	47	•			•		•	
	KSB Safety Boost	47	•		•	•		•	
Drainage pumps / grey water pumps	AmaDrainer 301/302/303/358	48		•				•	
	AmaDrainer 4/5	48		•		•		•	
	AmaDrainer 80/100	48		•				•	
	AmaPorter	48		•				•	
	Rotex	49				•		•	
	MK / MKY	49		•		•		•	
	KSB Flood Fighter L	49		•		•		•	
	Amaclean	49			•			•	
Lifting units / package pump stations	AmaDrainer Box Mini	50	•					•	
	AmaDrainer Box	50	•					•	
	Evamatic-Box N	50	•					•	
	MiniCompacta	50	•					•	
	Compacta	50	•			•		•	
	CK 800 Pump Station	51	•		•	•		•	
	CK 1000 Pump Station	51	•		•	•		•	
	AmaPorter CK Pump Station	51	•		•			•	
	AmaFlow Dry	51			•			•	
	AmaFlow	52		•	•			•	

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Submersible motor pumps	Amarex	52		•	•	•		•	
	Amarex NS	52		•	•	•		•	
	AmaRex Pro	52		•	•	•		•	
	Amarex KRT	53		•	•	•		•	
Submersible pumps in discharge tubes	AmaCan P	53		•	•	•			
	AmaCan S	53		•	•	•			
	AmaCan D	53		•	•	•			
Mixers / agitators / tank cleaning units	Amamix	54			•	•			
	AmaProp	54			•	•			
	Amaline	54			•	•			
Pumps for solids-laden fluids	Sewatec	54		•	•	•			
	Sewatec SPN	55			•	•			
	Sewabloc	55		•	•	•			
	KWP	55		•	•	•	•		•
	KWP-Bloc	55		•	•	•	•		•
Slurry pumps	WBC	56							•
	LSA	56				•	•		•
	LCC-H	56				•	•		•
	LCC-M	56				•	•		•
	LCC-R	57				•	•		•
	TBC	57							•
	LCV	57							•
	MHD	57							•
	LHD	58							•
	MDX	58				•			•
	ZW	58							•
	HVF	58				•			•
	DWD	59							•
	TDW	59							•
Self-priming pumps	Etaprime L	59			•	•			
	Etaprime B	60			•	•			
	EZ-B/L	60			•	•	•	•	
	AU	60			•	•			
	AU Monobloc	60			•	•			
Submersible borehole pumps	UPA C 100 EE	61		•	•	•		•	
	UPA C 150	61		•	•	•		•	
	UPA S 200, UPA S 350	61		•	•	•			
	UPA 200 - UPA 350	62		•	•	•			
	UPA 400 - UPA 1100	62		•	•	•			
	UPA D	62		•	•	•			
Vertical turbine pumps	B Pump	63			•	•	•	•	
High-pressure pumps	Comeo	63		•	•	•		•	
	Movitec H(S)I	63		•	•	•	•	•	
	Movitec	64		•	•	•	•	•	
	Movitec VCI	64		•	•	•			
	Multitec	64		•	•	•	•	•	•
	MultiTec Plus	64		•	•				
	WKL 2	65			•	•	•	•	
	Hydrobloc MC	65		•	•	•		•	

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Axially split pumps	Omega	65		•	•	•	•	•	
	RDLO	65		•	•	•	•	•	
	RDLP	66		•	•				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitacast	66		•	•	•			
	Vitacast Bloc	66		•	•	•			
	Vitaprime	67		•		•			
	Vitastage	67		•	•	•			
	Vitalobe	67		•		•			
	Megachrom	67		•	•	•			
Pumps for power station conventional islands	CHTC / CHTD	68					•		
	HGB / HGC / HGD	68				•	•		
	HGI	68				•	•		
	HGM / HGM-S	68		•		•	•		
	YNK	69					•		
	LUVA	69					•		
	WKTB	69					•		
	SEZ	69			•	•	•		
	SNW	70			•	•	•		
	PNW	70			•	•	•		
SPY	70			•	•	•			
Pumps for nuclear power stations	RER	70					•		
	RSR	71					•		
	RUV	71					•		
	PSR	71					•		
	RHD	71					•		
	LUVm	72					•		
	RHM	72					•		
	RVM	72					•		
	RHR	72					•		
	RVR	73					•		
	RVT	73					•		
	RTS	73					•		
Pumps for desalination by reverse osmosis	RPH-RO	73			•				
	Multitec-RO	74		•	•	•			
Positive displacement pumps	RC / RCV	74				•			
Fire-fighting systems	FP Electro Diesel Set	74	•		•	•		•	
	FP Diesel Unit / FP Electro Unit	75	•		•	•		•	

Automation and drives

Design / Application	Type series	Page	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Automation and drives	KSB SuPremE	26	•	•		•	
	KSB UMA-S	26	•	•			
Control units	Controlmatic E	76	•			•	
	Controlmatic E.2	76	•			•	
	Cervomatic EDP.2	76	•			•	
	LevelControl Basic 2	76	•	•		•	
	UPA Control	76	•			•	
Variable speed systems	PumpDrive 2 / PumpDrive 2 Eco	26	•	•		•	
	PumpDrive R	27	•	•		•	
	PumpDrive 3/MyFlowDrive 2	27	•	•		•	
Monitoring and diagnosis	PumpMeter	27	•	•		•	
	KSB Guard	28	•	•	•	•	
	KSB Leakage Sensor	28		•			
	AmaControl	77	•	•			

Drive, variable speed system and monitoring

KSB SuPremE



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

Description

IEC-compatible sensorless magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4 / IE5 (Super/Ultra Premium Efficiency) to IEC TS 60034-30-2:2016 for operation on a KSB PumpDrive 2, PumpDrive 2 Eco or PumpDrive R variable speed system. Suitable for connection to three-phase 380-480 V power supply (via PumpDrive). The motor mounting points comply with IEC 60072 specifications to ensure compatibility with standardised IEC frame motor applications and full interchangeability with IE2 or IE3 standardised asynchronous motors. Envelope dimensions lie within the limits for IE2/IE3 motors as recommended in DIN V 42673 (07-2011). The motor is controlled without rotor position sensors. The efficiency of the motor also exceeds 95 percent of nominal efficiency when the motor runs at 25 percent of its nominal power on a quadratic torque-speed curve. The motor is magnetless which means that so-called rare earths are not used in production. Drive production is thus sustainable and environmentally friendly.

Applications

For use with dry-installed variable speed pumps which can be driven by standardised foot-mounted and/or flange-mounted motors.



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

KSB UMA-S



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

Description

Permanent-magnet submersible synchronous motor, for operation on a KSB PumpDrive R variable speed system. NEMA connections and identical outside diameters ensure full interchangeability with comparable 6-inch, 8-inch or 10-inch asynchronous motors. The motor is controlled without rotor position sensors. The motor efficiency is 5 - 12 % above that of asynchronous motors. Given the design and functionality the use of permanent magnets is essential.

Applications

Exclusively for submersible borehole pumps in the range of 4 to 250 kW.

PumpDrive 2 / PumpDrive 2 Eco



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

Description

Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive is self-cooling, it can be mounted on a motor, on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller.

Applications

Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport



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

PumpDrive R



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

Description

Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive R is self-cooling, it can be mounted on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller. PumpDrive R extends the power range of PumpDrive 2 up to a rated power of 315 kW (mains voltage 3~ 380 - 480 VAC) or 400 kW (on request, mains voltage 3~ 525 - 690 VAC).

Applications

Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport



<https://www.ksb.com/en-gb/lc/KO1A>

PumpDrive 3/MyFlowDrive 2



Number of pumps	≤ 2
P [kW]	3
V [V]	3~380 - 480

Description

Variable speed drive system comprising an IEC-compliant permanent magnet synchronous motor of efficiency class IE5 to IEC 60034-30-2 and a motor-integrated frequency inverter. The drive system is well ahead of the ErP Directive's efficiency requirements. It is remarkably compact in design and complies with IEC 60034 regarding the combination of rating and shaft centreline heights.

Applications

Service water supply systems, heating systems, industrial recirculation systems, air-conditioning systems



<https://www.ksb.com/en-gb/lc/P54A>

PumpMeter



Number of pumps	≤ 1
V [V DC]	24

Description

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

Applications

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



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

KSB Guard



Sensor units
V [V AC] ≤ 40 (per gateway)
 110 - 240 (gateway)

Description

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

Applications

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



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

KSB Leakage Sensor



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

Description

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

Applications

Industry (heat transfer fluid market)



● KSB Leakage Sensor

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

Drinking water circulators, fixed speed

CalioTherm S



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

Data for 50 Hz operation

Description

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

Applications

Drinking water circulation systems



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

Drinking water circulators, variable speed

CalioTherm Pro



G	1 1/2 - 2
DN	40
Q [m ³ /h]	≤ 24
H [m]	≤ 12
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +70
n [rpm]	≤ 4500

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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



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

CalioTherm S Pro



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

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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



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

Heating circulators, variable speed

Calio S Pro



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Calio Pro Plus



G	1 1/2 - 2
DN	32 - 100
Q [m³/h]	≤ 69
H [m]	≤ 18
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110
n [rpm]	≤ 5000

Data for 50 Hz operation
Also available for 60 Hz

Description

Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency permanent magnet synchronous motor and continuously variable differential pressure control. Its integrated Modbus RTU interface and optional extension modules enable flexible integration into building management systems.

Applications

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



<https://www.ksb.com/en-gb/lc/C24A>

Calio Pro Plus Z



G	2
DN	32 - 65
Q [m³/h]	≤ 65
H [m]	≤ 18
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110
n [rpm]	≤ 4600

Data for 50 Hz operation
Also available for 60 Hz

Description

Maintenance-free high-efficiency flanged or screw-ended glandless pump as twin pump, with high-efficiency permanent magnet synchronous motor and continuously variable differential pressure control. Its integrated Modbus RTU interface and optional extension modules enable flexible integration into building management systems.

Applications

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



<https://www.ksb.com/en-gb/lc/C25A>

Calio



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Calio Z



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/CO9B>

Calio Pro



G	1 1/2 - 2
DN	32 - 65
Q [m³/h]	≤ 24
H [m]	≤ 12
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Calio Pro Z



G	2
DN	32 - 50
Q [m³/h]	≤ 22
H [m]	≤ 12
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/CO9C>

In-line pumps

EtaLine Pro



G	1 1/2
DN	25 - 65
Q [m³/h]	≤ 63,6
H [m]	≤ 42,9
p [bar]	≤ 16
T [°C]	≥ -20 - ≤ +120

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Etaline



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in in-line design with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE® motor or PumpDrive 3 (efficiency class IE4/IE5 to IEC TS 60034-2-3:2016) and motor-integrated frequency inverter. Pump shaft and motor shaft are rigidly connected; with uncooled mechanical seal to EN 12756 and replaceable casing wear rings. Drive lantern made of grey cast iron. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Well ahead of the ErP Directive's efficiency requirements.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive 3/
MyFlowDrive 2, PumpDrive R

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

Etaline Z



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in in-line design as twin pump, with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE® motor of efficiency class IE4/IE5 to IEC TS 60034-2-3:2016 and motor-integrated frequency inverter. Pump shaft and motor shaft are rigidly connected; with uncooled mechanical seal to EN 12756 and replaceable casing wear rings. Drive lantern made of grey cast iron. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Well ahead of the ErP Directive's efficiency requirements.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive R

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

Etaline-R



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive R

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

ILN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit

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

ILNC



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit

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

ILNR



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

Megaline



DN	32 - 200
Q [m³/h]	≤ 850
H [m]	≤ 135
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +90

Data for 60 Hz operation

Description

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

Applications

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



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

Standardised / close-coupled pumps

Etanorm



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in back pull-out design, with ratings and main dimensions to EN 733, with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE® motor or PumpDrive 3 (efficiency class IE4/IE5 to IEC TS 60034-2-3:2016) and motor-integrated frequency inverter. The pump is designed with replaceable casing wear rings, closed radial impeller with multiply curved vanes, single mechanical seal or double mechanical seals to EN 12756, shaft equipped with replaceable shaft protecting sleeve in the shaft seal area. The back pull-out design allows the coupling, bearing brackets and impeller to be dismantled without the need to disconnect the pump casing from the piping. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Well ahead of the ErP Directive's efficiency requirements.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive 3/
MyFlowDrive 2, PumpDrive R

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

Etabloc



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in close-coupled design, with ratings to EN 733, with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE® motor or PumpDrive 3 (efficiency class IE4/IE5 to IEC TS 60034-2-3:2016) and motor-integrated frequency inverter. Shaft fitted with a replaceable shaft sleeve in the shaft seal area. Volute casing and casing cover with replaceable casing wear rings. Volute casing with integrally cast pump feet for variants B, C and S. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Well ahead of the ErP Directive's efficiency requirements.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive 3/
MyFlowDrive 2, PumpDrive R

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

Etachrom B



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage circular casing pump in close-coupled design, with ratings to EN 733, with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE motor of efficiency class IE4/IE5 to IEC TS 60034-2-3:2016 and motor-integrated frequency inverter. The pump is equipped with replaceable casing wear rings. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive R

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

Etachrom L



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage circular casing pump in back pull-out design, with ratings and main dimensions to EN 733, with IEC-compatible power drive system comprising PumpDrive 2 and KSB SuPremE motor of efficiency class IE4/IE5 to IEC TS 60034-2-3:2016 and motor-integrated frequency inverter. The pump is equipped with replaceable casing wear rings. Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

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



● PumpDrive 2/PumpDrive 2 Eco, PumpDrive R

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

Etanorm V



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● <https://www.ksb.com/en-gb/lc/EB5B>

Meganorm



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● <https://www.ksb.com/en-gb/lc/M52B>

Megabloc



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

Data for 60 Hz operation

Description

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

Applications

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



● <https://www.ksb.com/en-gb/lc/M44B>

Hot water pumps

HPK-L



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● KSB Leakage Sensor

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

HPK



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



●

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

HPH



DN	40 - 350
Q [m³/h]	≤ 2350
H [m]	≤ 225
p [bar]	≤ 110
T [°C]	≥ 0 - ≤ +320

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

RPH-HW



DN	25 - 300
Q [m³/h]	≤ 1800
H [m]	≤ 270
p [bar]	≤ 110
T [°C]	≥ 0 - ≤ +320

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design, with centreline pump feet, with radial impeller, single-entry, single-stage. ATEX-compliant version available.

Applications

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



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

Hot water / thermal oil pumps

Etanorm SYT / RSY



DN	25 - 300
Q [m³/h]	≤ 1900
H [m]	≤ 102
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

Description

Volute casing pump for horizontal installation, back pull-out design, single-stage, with ratings and dimensions to EN 733, radially split volute casing with integrally cast pump feet, replaceable casing wear rings, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, double mechanical seal to EN 12756, drive-end bearings: rolling element bearings, pump-end bearings: plain bearings, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available.

Applications

Heat transfer systems, high-temperature hot water recirculation



KSB Leakage Sensor

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

Etabloc SYT



DN	25 - 80
Q [m³/h]	≤ 280
H [m]	≤ 68
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

Description

Volute casing pump for horizontal or vertical installation, back pull-out design, single-stage, with ratings to EN 733, radially split volute casing, replaceable casing wear rings, volute casing with integrally cast pump feet, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, product-lubricated carbon plain bearing, grease-lubricated radial ball bearing in the motor housing, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available.

Applications

Heat transfer systems, high-temperature hot water recirculation



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

Etaline SYT



DN	32 - 100
Q [m³/h]	≤ 316
H [m]	≤ 69
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. ATEX-compliant version available.

Applications

Heat transfer systems, high-temperature hot water recirculation



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

Standardised chemical pumps

MegaCPK



DN	25 - 250
Q [m³/h]	≤ 3300
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

CPKN



DN	400
Q [m³/h]	≤ 4150
H [m]	≤ 185
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

CPKNO



DN	25 - 160 / 200 - 315
Q [m³/h]	≤ 900
H [m]	≤ 150
p [bar]	≤ 25
T [°C]	≥ -40 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Seal-less pumps

Magnochem



DN	25 - 250
Q [m ³ /h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -90 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/MO0B>

Magnochem 685



DN	25 - 250
Q [m ³ /h]	≤ 1160
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -90 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

<https://www.ksb.com/en-gb/lc/MO8B>

Magnochem-Bloc



DN	25 - 160
Q [m ³ /h]	≤ 625
H [m]	≤ 162
p [bar]	≤ 40
T [°C]	≥ -20 - ≤ +200

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/MO8B>

Etaseco



DN	32 - 80
Q [m ³ /h]	≤ 250
H [m]	≤ 100
p [bar]	≤ 16
T [°C]	≥ -40 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Etaseco RVP



DN	25 - 40
Q [m³/h]	≤ 44
H [m]	≤ 40
p [bar]	≤ 16
T [°C]	≥ -50 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Process pumps

RPH



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/R05C>

RPH-LF



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

RPHb / RPHd / RPHbd



DN	40 - 450
Q [m³/h]	≤ 5500
H [m]	≤ 680
p [bar]	≤ 100
T [°C]	≥ -80 - ≤ +450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

RPH-V



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

CHTR



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

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

Description

Horizontal radially split multistage high-pressure pumps in between-bearings design, with double casing (barrel-type pumps) to API 610 (ISO 13709), type BB5. First stage optionally available in double-suction design for low NPSH requirements. ATEX-compliant version available

Applications

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



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

CHTRa



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

CINCP / CINCN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

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

INVCP



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Estigia



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● KSB SuPremE, PumpDrive, Frequency inverter

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

RWCP / RWCN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

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

WKTR / WKTR-E



DN	40 - 300
Q [m³/h]	≤ 1500
H [m]	≤ 600
p [bar]	≤ 80
T [°C]	≥ -40 - ≤ +250
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

WKB / WKB-E



DN	40 - 300
Q [m³/h]	≤ 1500
H [m]	≤ 600
p [bar]	≤ 80
T [°C]	≥ -40 - ≤ +250
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertically suspended, single casing, lineshaft, diffuser or bowl type pump with integral thrust bearings and discharge through column pipe in accordance with API 610 / ISO 13709 (VS1). Available in single-stage or multistage configurations and with single or double suction first-stage impeller.

Applications

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



<https://www.ksb.com/en-gb/lc/W13A>

Rainwater harvesting systems

HyaRain 2 Plus



Q [m³/h]	≤ 3,6
H [m]	≤ 45
p [bar]	≤ 6
T [°C]	≥ +2 - ≤ +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, demand-driven automatic pump control and freely programmable intervals for water change in mains water storage tank. Also with analog level measurement in rainwater storage tank and integrated alarm relay.

Applications

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



<https://www.ksb.com/en-gb/lc/H12B>

HyaRain 2



Q [m³/h]	≤ 3,6
H [m]	≤ 45
p [bar]	≤ 6
T [°C]	≥ +2 - ≤ +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, demand-driven automatic pump control and freely programmable intervals for water change in mains water storage tank.

Applications

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



<https://www.ksb.com/en-gb/lc/H12B>

Domestic water supply / swimming pool pumps

MultiEco



Rp	1 - 1 1/4
Q [m³/h]	≤ 4,2
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800

Data for 50 Hz operation

Description

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

Applications

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



● Controlmatic, Cervomatic

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

MultiEco Pro



Rp	1 - 1 1/4
Q [m³/h]	≤ 4,2
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800

Data for 50 Hz operation

Description

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

Applications

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



● ●

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

Ixo N



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

Data for 50 Hz operation

Description

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

Applications

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



● ● Control unit, Cervomatic

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

Ixo Pro



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

Data for 50 Hz operation

Description

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

Applications

Rainwater harvesting, pressure boosting, water extraction, irrigation systems



● ●

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

Filtra N



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

Data for 50 Hz operation

Description

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

Applications

Pumping clean or slightly contaminated water, swimming pool water with a max. chlorine content of 0.3 %; ozonised swimming pool water with a max. salt content of 7 ‰.



<https://www.ksb.com/en-gb/lc/F00A>

Pressure booster systems

DeltaMacro



Rp	1 1/2
Q [m³/h]	≤ 960
H [m]	≤ 154
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60

Data for 50 Hz operation

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/D12A>

DeltaCompact



Rp	1 / 1 1/2
Q [m³/h]	≤ 18
H [m]	≤ 55
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +40

Data for 50 Hz operation

Description

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

Applications

Domestic water supply, water supply systems, spray irrigation systems, general irrigation systems, service water systems, rainwater harvesting



<https://www.ksb.com/en-gb/lc/D05B>

DeltaBasic



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

Data for 50 Hz operation

Description

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

Applications

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



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

DeltaPrimo



Rp	11/2
Q [m³/h]	≤ 88
H [m]	≤ 134
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60

Data for 50 Hz operation

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/DO8A>

DeltaSolo



Rp	11/4
Q [m³/h]	≤ 76
H [m]	≤ 145
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60

Data for 50 Hz operation

Description

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

Applications

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



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

DeltaSolo D



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

Data for 50 Hz operation

Description

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

Applications

Water supply in commercial and industrial plants, residential and office buildings, general irrigation and spray irrigation, rainwater harvesting and service water supply systems in trade and industry.



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

HyaSolo 2 D FL



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

Data for 50 Hz operation

Description

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

Applications

Fire-fighting systems to DIN 14462



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

HyaDuo 2 D FL



Rp	2
DN	150
Q [m ³ /h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70

Data for 50 Hz operation

Description

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



Applications

Fire-fighting systems to DIN 14462



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

HyaSolo 2 D FL Compact



DN	50 - 80
Q [m ³ /h]	≤ 36
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +30

Data for 50 Hz operation

Description

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



Applications

Break tank package booster set for fire fighting to DIN 14462



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

HyaDuo 2 D FL Compact



DN	50 - 80
Q [m ³ /h]	≤ 36
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +30

Data for 50 Hz operation

Description

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



Applications

Break tank package booster set for fire fighting to DIN 14462



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

KSB Safety Boost



DN	32
Q [m ³ /h]	≤ 7
H [m]	≤ 75
p [bar]	≤ 10
T [°C]	≥ 0 - ≤ +30

Data for 50 Hz operation

Description

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

Applications

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



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

Drainage pumps / grey water pumps

AmaDrainer 301/302/303/358



Rp	11/4 - 11/2
Q [m ³ /h]	≤ 14
H [m]	≤ 12,5
T [°C]	≥ 0 - ≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical single-stage fully floodable submersible motor pump in close-coupled design, 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, general drainage, drainage of underground passages, water extraction from rivers and reservoirs.



● Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A07C>

AmaDrainer 4/5



Rp	11/2 - 2
Q [m ³ /h]	≤ 50
H [m]	≤ 24
T [°C]	≥ 0 - ≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit, LevelControl

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

AmaDrainer 80/100



Rp	2 1/2
DN	100
Q [m ³ /h]	≤ 130
H [m]	≤ 26
T [°C]	≥ 0 - ≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit, LevelControl

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

AmaPorter



DN	50 - 80
Q [m ³ /h]	≤ 127,1
H [m]	≤ 36,9
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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



● Control unit, LevelControl

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

Rotex



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

Data for 50 Hz operation

Description

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

Applications

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



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

MK / MKY



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

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

Pumping condensate and heat transfer fluids below boiling point, condensate return systems, primary and secondary heating circuits, for direct installation in heating tanks or heat exchangers in the secondary circuits of heat transfer systems (MKY).



● Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/MO2A>

KSB Flood Fighter L



Q [m³/h]	≤ 28
H [m]	≤ 13,5
T [°C]	≤ +40

Data for 50 Hz operation

Also available for 60 Hz

Description

Complete floodwater drainage set, comprising an AmaDrainer 507 pump including pre-assembled hose adapter with Storz C coupling and a drainage hose. The fully floodable, vertically installed, single-stage submersible motor pump has got an extra long power cable (20 m), is designed with an IP68-rated enclosure, and is suitable for a maximum immersion depth of 7 m. The supplied 15 m long drainage hose can be extended. A robust plastic crate and safety gloves are also included in the scope of supply. A power generator is available on request.

Applications

Building drainage, emergency pumping in the event of flood, surface drainage, groundwater control in construction pits, dewatering of construction sites



<https://www.ksb.com/en-gb/lc/F39A>

Lifting units / package pump stations

Amaclean



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

Description

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

Applications

Waste water disposal, rainwater disposal



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

AmaDrainer Box Mini



DN	40
Q [m ³ /h]	≤ 10
H [m]	≤ 6,5
T [°C]	≤ +50

Data for 50 Hz operation

Description

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

Applications

Automatic disposal of waste water from washbasins, showers, washing machines and dishwashers. Use a MiniCompacta sewage lifting unit for handling waste water from urinals and toilets.



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

AmaDrainer Box



DN	40 - 50
Q [m ³ /h]	≤ 46
H [m]	≤ 24
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, with floor drain and odour trap, both with AmaDrainer submersible motor pump starting and stopping automatically and swing check valve

Applications

Automatic disposal of waste water from washbasins, showers, washing machines, garage driveways, basements and rooms prone to flooding



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

Evamatic-Box N



DN	50 - 65
Q [m ³ /h]	≤ 40
H [m]	≤ 21
T [°C]	≤ +40

Data for 50 Hz operation

Description

Floodable lifting unit for domestic waste water, equipped with either one or two pumps of type AmaPorter F (vortex impeller) or AmaPorter S (cutter)

Applications

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



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

MiniCompacta



DN	32 - 100
Q [m ³ /h]	≤ 36
H [m]	≤ 25
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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



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

Compacta



DN	80 - 100
Q [m ³ /h]	≤ 145
H [m]	≤ 24,5
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/CO0B>

CK 800 Pump Station



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

Data for 50 Hz operation

Description

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

Applications

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



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

CK 1000 Pump Station



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

Data for 50 Hz operation

Description

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

Applications

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



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

AmaPorter CK Pump Station



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

Data for 50 Hz operation

Description

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

Applications

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



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

AmaFlow Dry



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

Data for 50 Hz operation

Description

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

Applications

Joint disposal of domestic, municipal and industrial waste water to the sewer system / waste water treatment plant



<https://www.ksb.com/en-gb/lc/S93A>

AmaFlow



DN	50 - 100
Q [m ³ /h]	≤ 138
H [m]	≤ 75
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● AmaControl, LevelControl

<https://www.ksb.com/en-gb/lc/S90A>

Submersible motor pumps

Amarex



DN	50 - 150
Q [m ³ /h]	≤ 320
H [m]	≤ 42
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit, LevelControl

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

Amarex NS



DN	32 - 50
Q [m ³ /h]	≤ 22
H [m]	≤ 49
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit, LevelControl

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

AmaRex Pro



DN	80 - 150
Q [m ³ /h]	≤ 300
H [m]	≤ 35
T [°C]	≤ +40

Data for 50 Hz operation
Also available for 60 Hz

Description

Intelligent, vertical submersible motor pump set for wet installation, single-stage, with open two-vane impeller (D-max), IE5 motor and integrated functions such as automatic clogging detection and deragging. ATEX-compliant version available

Applications

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



● Control unit, LevelControl

<https://www.ksb.com/en-gb/lc/A26A>

Amarex KRT



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive, AmaControl, LevelControl

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

Submersible pumps in discharge tubes

AmaCan P



DN	500 - 1500
Q [m³/h]	≤ 25200
H [m]	≤ 12
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● AmaControl

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

Amacan S



DN	650 - 1300
Q [m³/h]	≤ 10800
H [m]	≤ 40
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● AmaControl

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

AmaCan D



DN	600 - 1000
Q [m³/h]	≤ 8100
H [m]	≤ 29
T [°C]	≥ 0 - ≤ +40
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive, AmaControl

<https://www.ksb.com/en-gb/lc/A43A>

Mixers / agitators / tank cleaning units

AmaProp



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

Also available for 60 Hz

Description

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

Applications

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



● AmaControl

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

Amamix



Propeller Ø [mm]	220, 290, 320, 370, 410, 480, 570, 630
T [°C]	≥ 0 - ≤ +40
Installation depth [m]	≤ 30

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, direct drive. Explosion-proof version available.

Applications

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



● AmaControl

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

Amaline



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

Recirculating activated sludge in waste water treatment systems.



● AmaControl

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

Pumps for solids-laden fluids

Sewatec



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available.

Applications

Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment



● PumpDrive, AmaControl, LevelControl

<https://www.ksb.com/en-gb/lc/S02B>

Sewatec SPN



DN	≤ 1200
Q [m³/h]	≤ 32400
H [m]	≤ 115
p [bar]	≤ 16
T [°C]	≤ +70

Data for 50 Hz operation
Also available for 60 Hz

Description

Vertical volute casing pump with multi-channel impellers (K), discharge flange to DIN and ANSI standards.

Applications

Waste water transport, waste water disposal, waste water management, transport of contaminated surface water

Sewabloc



DN	50 - 200
Q [m³/h]	≤ 1000
H [m]	≤ 90
p [bar]	≤ 10
T [°C]	≤ +70
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

Close-coupled volute casing pump for horizontal or vertical installation, with various next-generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version available.

Applications

Waste water transport, waste water disposal, waste water management, transport of contaminated surface water, sludge treatment



● PumpDrive, LevelControl

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

KWP



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal radially split volute casing pump in back pull-out design, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller. ATEX-compliant version available.

Applications

Paper industry, cellulose industry, sugar industry, food industry, power plants, chemical industry, petrochemical industry, flue gas desulphurisation, coal upgrading plants, industrial engineering, waste water transport, seawater desalination / reverse osmosis



● PumpDrive

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

KWP-Bloc



DN	40 - 100
Q [m³/h]	≤ 325
H [m]	≤ 100
p [bar]	≤ 10
T [°C]	≥ -40 - ≤ +100
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

Horizontal or vertical radially split close-coupled volute casing pump, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller.

Applications

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



● PumpDrive

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

Slurry pumps

WBC



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

Description

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

Applications

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



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

LSA



Q [m³/h]	≤ 25000
H [m]	≤ 105
p [bar]	≤ 50
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

LCC-H



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

Description

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

Applications

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



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

LCC-M



Q [m³/h]	≤ 3675
H [m]	≤ 105
p [bar]	≤ 16
T [°C]	≤ +120

Description

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

Applications

Sand and gravel, plant processes, mineral processing, secondary grinding, tailings, chemical slurry service, coal preparation



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

LCC-R



Q [m³/h]	≤ 2560
H [m]	≤ 40
p [bar]	≤ 16
T [°C]	≤ +65

Description

The LCC-R is a high-efficiency slurry pump that features a double-wall construction with outer casings made of nodular cast iron and replaceable moulded-rubber liners. Three-vane impellers are made of moulded rubber or optional white cast iron with a high chromium content. LCC-R slurry pumps are suitable for moderate heads, fine particles, and highly corrosive slurries. All pumps are rated for a maximum allowable working pressure of 16 bar. Ideal for Class 1-3 slurries.

Applications

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



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

TBC



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

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/TO8A>

LCV



Q [m³/h]	≤ 2029
H [m]	≤ 77
p [bar]	≤ 11
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

MHD



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

Description

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

Applications

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



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

LHD



Q [m ³ /h]	≤ 15001
H [m]	≤ 53
p [bar]	≤ 11
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

MDX



Q [m ³ /h]	≤ 18500
H [m]	≤ 55
p [bar]	≤ 10
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

ZW



Q [m ³ /h]	≤ 573
H [m]	≤ 60
p [bar]	≤ 10
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

HVF



Q [m ³ /h]	≤ 6910
H [m]	≤ 50
p [bar]	≤ 11,5
T [°C]	≤ +120

Description

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

Applications

Froth pumping applications in mineral processing where conventional centrifugal pumps would be blocked by air bubbles.



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

DWD



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

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/DO6A>

TDW



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

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/TO7A>

Self-priming pumps

Etaprime L



DN	25 - 125
Q [m ³ /h]	≤ 180
H [m]	≤ 85
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +90
H _{geo} [m]	≤ 9

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Etaprime B



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

EZ-B/L



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

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

AU



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

AU Monobloc



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Submersible borehole pumps

UPA C 100



DN	100
Q [m ³ /h]	≤ 18
H [m]	≤ 600
T [°C]	≤ +30

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

Domestic water supply, general irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster systems and air-conditioning systems. Suitable for drinking water to ACS.



● Control unit, Cervomatic, UPA Control

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

UPA C 150



DN	150
Q [m ³ /h]	≤ 79
H [m]	≤ 440
T [°C]	≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

Spray irrigation systems, general irrigation systems, drawdown of groundwater levels, domestic water supply, fountains, heat pump systems, water supply systems Suitable for drinking water to ACS.



● PumpDrive, KSB UMA-S

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

UPA S 200, UPA S 350



DN	200 - 350
Q [m ³ /h]	≤ 967
H [m]	≤ 415
T [°C]	≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation, made of precision (investment) cast stainless steel. High wear resistance and maximum pump efficiency. Sizes between 8 and 14 inches. Optionally available with lift check valve or connection nozzle. Optionally available with asynchronous or permanent magnet synchronous motors KSB UMA and UMA S. Variable speed operation with KSB PumpDrive R frequency inverter. Other accessories such as voltage filter, extension cable, cooling/suction/pressure shroud available in various versions.

Applications

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



● PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U19A>
<https://www.ksb.com/en-gb/lc/U17A>
<https://www.ksb.com/en-gb/lc/U20A>
<https://www.ksb.com/en-gb/lc/U21A>

UPA 200 - UPA 350



DN	200 - 350
Q [m ³ /h]	≤ 900
H [m]	≤ 500
T [°C]	≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage or multistage single-entry centrifugal pump in ring-section design, made of grey cast iron, for vertical or horizontal installation. Optionally available with lift check valve or connection nozzle. Sizes between 8 and 14 inches. Certified for sprinkler installations to VdS.

Applications

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



● PumpDrive, KSB UMA-S

<https://www.ksb.com/en-gb/lc/U17A>
<https://www.ksb.com/en-gb/lc/U19A>
<https://www.ksb.com/en-gb/lc/U20A>
<https://www.ksb.com/en-gb/lc/U21A>

UPA 400 - UPA 1100



DN	> 400
Q [m ³ /h]	≤ 5800
H [m]	≤ 700
T [°C]	≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

UPA D



DN	> 400
Q [m ³ /h]	≤ 5800
H [m]	≤ 1500
T [°C]	≤ +50

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

Vertical turbine pumps

B Pump



DN	80 - 500
Q [m ³ /h]	≤ 2600
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +105
n [rpm]	≤ 3000

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

Description

Vertical turbine pump conforming to AWWA E101-88 and designed with radially split interchangeable pump bowls, wear rings and impellers; column assembly with interchangeable column bearings and lengths of column pipes for variable immersion depths.

Applications

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



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

High-pressure pumps

Comeo



Rp	1 - 11/4
Q [m ³ /h]	≤ 10,8
H [m]	≤ 79,5
p [bar]	≤ 10
T [°C]	≥ -10 - ≤ +60
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

Multistage horizontal centrifugal pump in close-coupled design

Applications

Water supply, small pressure booster systems, irrigation, cooling



● Frequency inverter

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

Movitec H(S)I



Rp	1 1/4 - 2
Q [m ³ /h]	≤ 27
H [m]	≤ 195
p [bar]	≤ 25
T [°C]	≥ -20 - ≤ +140
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

Multistage horizontal high-pressure centrifugal pump, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

Movitec



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Multistage vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.

Motor mounting points in accordance with IEC 60072, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

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



● KSB SuPremE, PumpDrive, PumpDrive 3/MyFlowDrive 2, PumpMeter

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

Movitec VCI



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

Data for 50 Hz operation
Also available for 60 Hz

Description

Multistage vertical high-pressure immersion pump for installation on tanks or platforms, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.

Applications

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



● KSB SuPremE, PumpDrive

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

Multitec



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

Description

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

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

MultiTec Plus



DN	125 - 150
Q [m³/h]	≤ 470
H [m]	≤ 250
p [bar]	≤ 25
T [°C]	≥ 0 - ≤ +60
n [rpm]	≤ 1790

Description

Best-in-class, highly efficient multistage pump in ring-section design, for horizontal or vertical installation, long-coupled or close-coupled, with axial or radial suction nozzle, cast radial impellers, and motor-mounted variable speed system.

Applications

Drinking water supply



● KSB SuPremE, PumpDrive, PumpMeter

<https://www.ksb.com/en-gb/lc/MC7A>
<https://www.ksb.com/en-gb/lc/MC8A>

WKL 2



DN	32 - 150
Q [m³/h]	≤ 450
H [m]	≤ 400
p [bar]	≤ 40
T [°C]	≥ -10 - ≤ +140
n [rpm]	≤ 3500

Description

Multistage horizontal centrifugal pump in ring-section design, with radial suction nozzle and closed radial impellers.

Applications

Transport of raw water and drinking water, applications in industry, pressure boosting, irrigation, sprinkler systems, drainage, etc.



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

Hydrobloc MC



DN	2 - 12
Q [m³/h]	≤ 16
H [m]	≤ 80
T [°C]	≤ +90

Data for 50 Hz operation
Also available for 60 Hz

Description

Multistage pump for horizontal installation, with suction and discharge casing in grey cast iron, with impeller and diffuser made of punched and welded stainless steel.

Applications

Water supply, pressure booster systems, building services, industrial plants, fire-fighting systems

Axially split pumps

Omega



DN	80 - 400
Q [m³/h]	≤ 4400
H [m]	≤ 210
p [bar]	≤ 25
T [°C]	≥ 0 - ≤ +140
n [rpm]	≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.

Applications

Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.



● PumpDrive, PumpMeter, Frequency inverter

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

RDLO



DN	350 - 900
Q [m³/h]	≤ 18000
H [m]	≤ 300
p [bar]	≤ 30
T [°C]	≥ 0 - ≤ +140
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

Single-stage axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, EN or ASME.

Applications

Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.



● PumpMeter, Frequency inverter

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

RDLP



DN	350 - 1200
Q [m ³ /h]	≤ 20000
H [m]	≤ 550
p [bar]	≤ 64
T [°C]	≥ 0 - ≤ +80
n [rpm]	≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

Axially split volute casing pump for horizontal installation, with one, two or three stages and double-entry radial impeller, mating flanges to DIN, ISO or ANSI.

Applications

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



● Frequency inverter

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

Hygienic pumps

Vitacast



DN	32 - 200
Q [m ³ /h]	≤ 540
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +140

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast Bloc



DN	25 - 150
Q [m ³ /h]	≤ 340
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +140

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

Vitaprime



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

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive

<https://www.ksb.com/en-gb/lc/VO7A>

Vitastage



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

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

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/VO8A>

Vitalobe



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

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive

<https://www.ksb.com/en-gb/lc/VO6A>

Megachrom



DN	40 - 80
Q [m³/h]	≤ 70
H [m]	≤ 60
T [°C]	≤ +120

Data for 50 Hz operation
Also available for 60 Hz

Description

Centrifugal pump with circular casing, close-coupled design.

Applications

Food industry and beverages industry, pharmaceutical industry, chemical industry



Pumps for power station conventional islands

CHTC / CHTD



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

Also available for 60 Hz
Higher ratings possible upon request

Description

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

Applications

Pumping feed water and condensate in power stations and industrial plants, in supercritical CO₂ applications, generating pressurised water for bark peeling.



<https://www.ksb.com/en-gb/lc/CO4A>
<https://www.ksb.com/en-gb/lc/C16A>

HGB / HGC / HGD



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

Also available for 60 Hz
Higher ratings possible upon request

Description

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

Applications

Pumping boiler feed water and condensate in power stations and industrial plants, waste incineration and biomass plants, in supercritical CO₂ applications, pumping gas turbine fuels, generating pressurised water for bark peeling and descaling units, snow guns, etc.



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

HGI



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

Also available for 60 Hz

Description

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

Applications

Pumping feed water and condensate in power stations and industrial plants, waste incineration and biomass plants.



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

HGM / HGM-S



DN	25 - 125
Q [m³/h]	≤ 390
H [m]	≤ 1400 / ≤ 1000
p [bar]	≤ 140 / ≤ 100
T [°C]	≤ +200
n [rpm]	≤ 3600

Also available for 60 Hz
Higher ratings possible upon request

Description

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

Applications

Pumping feed water and condensate in power stations and industrial plants, waste incineration and biomass plants.



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

YNK



DN	125 - 600
Q [m ³ /h]	≤ 5200
H [m]	≤ 540
p [bar]	≤ 100
T [°C]	≤ +250
n [rpm]	≤ 3300

Higher ratings possible upon request

Description

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

Applications

Pumping feed water in power stations and industrial plants.



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

LUVA



DN	100 - 550
Q [m ³ /h]	≤ 7000
H [m]	≤ 300
p [bar]	≤ 400
T [°C]	≤ +425
n [rpm]	≤ 3600

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

High-temperature hot water recirculation in forced-circulation, forced-flow and combined-circulation boilers for very high pressures and in solar power towers.



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

WKTB



DN	150 - 300
Q [m ³ /h]	≤ 1500
H [m]	≤ 370
p [bar]	≤ 40
T [°C]	≤ +140
n [rpm]	1500

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

Pumping condensate in power stations and industrial plants.



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

SEZ



Q [m ³ /h]	≤ 65000
H [m]	≤ 60
T [°C]	≤ +40
n [rpm]	≤ 990

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

Description

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

Applications

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



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

SNW



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

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

Description

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

Applications

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



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

PNW



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

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

Description

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

Applications

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



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

SPY



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

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

Description

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

Applications

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



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

Pumps for nuclear power stations

RER



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

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

Description

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

Applications

Reactor coolant recirculation in nuclear power stations.



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

RSR



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

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

Description

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

Applications

Reactor coolant recirculation in nuclear power stations.



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

RUV



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

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

Description

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

Applications

Reactor coolant recirculation in generation III+ nuclear power stations.



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

PSR



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

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

Description

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

Applications

Reactor coolant recirculation in boiling water reactors.



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

RHD



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

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

Description

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

Applications

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



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

LUVm



DN	40 - 600
Q [m ³ /h]	≤ 7000
H [m]	≤ 300
p [bar]	≤ 320
T [°C]	≤ +430

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

RHM



DN	≤ 150
Q [m ³ /h]	≤ 300
H [m]	≤ 2100
p [bar]	≤ 220
T [°C]	≤ +180
n [rpm]	≤ 8000

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

Description

Horizontal multistage barrel pull-out pump.

Applications

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



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

RVM



DN	≤ 85
Q [m ³ /h]	≤ 50
H [m]	≤ 2000
p [bar]	≤ 200
T [°C]	≤ +100
n [rpm]	≤ 6000

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

Description

Vertical multistage barrel pull-out pump.

Applications

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



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

RHR



DN	≤ 500
Q [m ³ /h]	≤ 6000
H [m]	≤ 190
p [bar]	≤ 63
T [°C]	≤ +200
n [rpm]	≤ 3600

Available for 50 Hz and 60 Hz

Description

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

Applications

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



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

RVR



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

Available for 50 Hz and 60 Hz

Description

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

Applications

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



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

RVT



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

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

Description

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

Applications

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



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

RTS



DN	
Q [m³/h]	
H [m]	Technical data available on request.
p [bar]	
T [°C]	
n [rpm]	

Description

Pump/turbine assembly, turbine drive (by external energy source, operates independently of other systems), horizontal, submersible, single-stage, withstands harsh conditions.

Applications

Modernisation following the Fukushima accident: Long-term containment cooling, long-term heat dissipation after an accident



<https://www.ksb.com/en-gb/lc/R89A>

Pumps for desalination by reverse osmosis

RPH-RO



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

Booster pump for RO seawater desalination systems.



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

Multitec-RO



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

● KSB SuPremE, PumpDrive

Positive displacement pumps

RC / RCV



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

Fire-fighting systems

FP Electro Diesel Set



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

FP Diesel Unit / FP Electro Unit



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

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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

Control units

Controlmatic E



Number of pumps ≤ 1
V [V] 1~230

Description

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

Applications

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



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

Controlmatic E.2



Number of pumps ≤ 1
V [V] 1~230

Description

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

Applications

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



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

Cervomatic EDP.2



Number of pumps ≤ 1
V [V] 1~230 / 3~400

Description

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

Applications

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



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

LevelControl Basic 2



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

Available for higher ratings and other mains voltages on request.

Description

Level control unit for controlling and protecting either one or two pumps. DOL starting up to 4 kW, star-delta starting up to 30 kW. Higher ratings on request.

Applications

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



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

UPA Control



Number of pumps ≤ 1
P [kW] 7,5
V [V] 1~230 / 3~400

Description

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

Applications

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



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

Monitoring and diagnosis

AmaControl



AmaControl connections	Spring-loaded terminals
Mounting	35 mm standard rail
T [°C]	AmaControl 3 / 4: ≥ -30 - ≤ +70 AmaControl L / X: ≥ -20 - ≤ +60
Dimensions H × W × D [mm]	AmaControl 3 / 4: 127×45×113 AmaControl L / X: 127×23×113
V [V]	AC 110-240 ± 10%
V [V]	AC/DC 24 ± 10%

Description

Protection module for water and waste water products as all-in-one device. Depending on the variant, it can be used for motor temperature measurement, bearing temperature measurement, leakage measurement, vibration measurement, voltage measurement and current measurement as well as for diagnosing a pump, pump system or submersible mixer to ensure trouble-free and reliable operation.

Applications

In water and waste water engineering



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

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