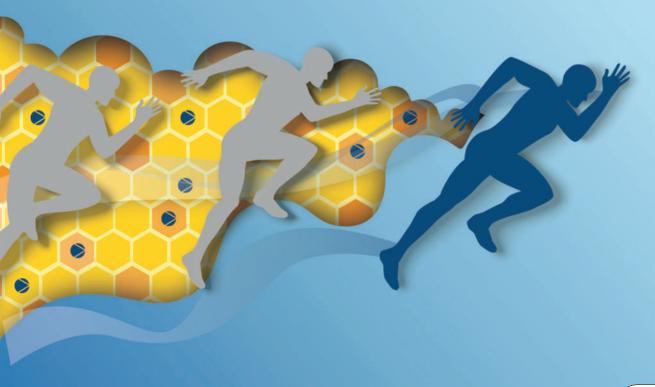


Product Portfolio

Pumps 1 Automation







HPH

34

Sewabloc

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HGB / HGC / HGD	60	RVT	65		
HGI	61	RWCP / RWCN	38		
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LIDLI	2/	Cowables	EΛ		

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.

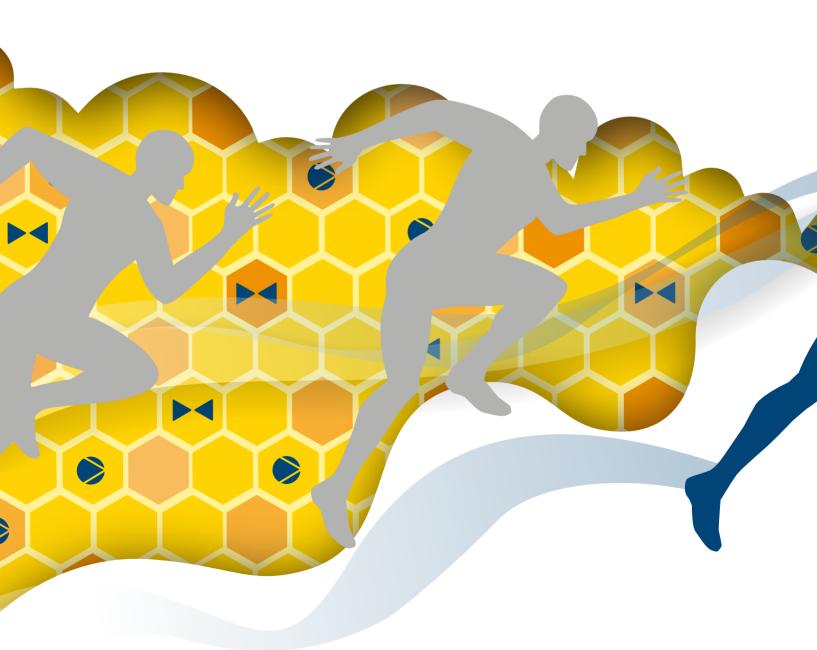


As a signatory to the United Nations Global Compact, KSB is committed to the ten principles of the international community in the areas of human rights, labour standards, environmental protection and anti-corruption.



Global Champion in the Market

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



Introduction 5

Our concentrated know-how:

Expertise that overcomes your challenges

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

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

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



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

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

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

Highest quality guaranteed:

Standards exceeding your expectations

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

Focus on sustainability: Committed to environmental protection and resource efficiency

With our sustainability strategy we are committed to take measures that reduce CO₂ emissions in all our factories and save energy. Taking on responsibility towards the environment and people is a key business principle for KSB and offers you the safety of knowing that you work with products and solutions that meet the principles of sustainability.

By choosing KSB products you opt for technologies that decrease the CO₂ footprint and enhance energy efficiency. You enter into a partnership with a company that sees responsibility towards the environment and society as an integral part of its business philosophy. With KSB you are on a sustainable path.

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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	28							
Drinking water circulators, fixed speed	CalioTherm Pro	28	_						
Drinking water circulators, variable speed	CalioTherm S Pro	28	÷						
	Calio S Pro	28	-						
	Calio	29	-						
Heating circulators, variable speed	Calio Z	29	-						
ricating circulators, variable speed	Calio Pro	29	-					_	
	Calio Pro Z	29						_	
	EtaLine Pro	30							
	Etaline	30	-						
	Etaline Z	30	-						
	Etaline-R	30							
In-line pumps	ILN	31							
	ILNC	31							
	ILNR	31							
	Megaline	31	_						
-	Etanorm	32							
	Etabloc	32	-						
	Etachrom B	32	Ŧ						
Standardised / close-coupled pumps	Etachrom L	32	-						
	Etanorm V	33	-						
	Meganorm	33	Ŧ	-					
	Megabloc	33	Ŧ						
	HPK-L	33							
	HPH	34							
Hot water pumps	HPK	33	_						
	RPH-HW	34							
	Etanorm SYT / RSY	34		-					
Hot water / thermal oil pumps	Etabloc SYT	34		_					
	Etaline SYT	34	_	_					
	MegaCPK	35							
Standardised chemical pumps	CPKN	35							
	CPKNO	35							
	Magnochem	36							
	Magnochem 685	36							
Seal-less pumps	Magnochem-Bloc	36							
	Etaseco	36							
	Etaseco RVP	36							
	RPH	37							
	RPH-LF	37							
	RPHb / RPHd / RPHbd	37							
	RPH-V	37							
	CHTR	37							
Process pumps	CHTRa	38							
	CINCP / CINCN	38							
	INVCP	38							
	Estigia	38							
	RWCP / RWCN	38							
	WKTR	39							

Design / Application	Type series	Page	Factory-automated	Automation available	Water Transport and Water Treatment	Industry	Energy Conversion	Building Services	Solids Transport
	MultiEco	39							
	MultiEco Pro	39							
Domestic water supply systems with automatic	MultiEco Top	39							
control unit / swimming pool pumps	Ixo N	39							
	Ixo Pro	40							
	Filtra N	40							
	DeltaMacro	40							
	DeltaCompact	40							
	DeltaBasic	40							
	DeltaPrimo	41							
	DeltaSolo	41							
	DeltaSolo D	41							
Pressure booster systems	HyaSolo 2 D FL	41							
	HyaDuo 2 D FL	41							
	HyaSolo 2 D FL Compact	42							
	HyaDuo 2 D FL Compact	42							
	Surpress Feu SFE	42							
	KSB Safety Boost	42							
	AmaDrainer 3	42							
	AmaDrainer 4/5	43							
	AmaDrainer 80/100	43							
Drainage pumps / grey water pumps	AmaPorter	43							
	Rotex	43							
	MK / MKY	43							
	Amaclean	44				_			
	AmaDrainer Box Mini	44							
	AmaDrainer Box	44							
	Evamatic-Box N	44							
	MiniCompacta	44	-						
Lifting units / package pump stations	Compacta	45							
Enting units / package pump stations	CK 800 Pump Station	45							
	CK 1000 Pump Station	45	-						
	Ama-Porter CK Pump Station	45	-						
	Amaflow Dry	45	_						
	SRA	46							
	Amarex	47							
Submersible motor pumps	Amarex NS	47							
Submersible motor pullips	Amarex KRT	47			-				
	Amacan K	47			-				
	Amacan R Amacan P	47			-				
Submersible pumps in discharge tubes									
	AmaCan D	48							
	AmaCan D	48							
Missaue / anitateue / taulliii	Amamix	49							
Mixers / agitators / tank cleaning units	AmaProp	49							
	Amaline	49		_					
	Sewatec	50							
5 ():1:1:1	Sewatec SPN	50							
Pumps for solids-laden fluids	Sewabloc	50							
	KWP	50							
	KWP-Bloc	50							

			mated		Water Transport and Water Treatment		rersion	vices	port
			Factory-automated	Automation available	r Trans r Treat	try	Energy Conversion	Building Services	Solids Transport
Design / Application	Type series	Page	Facto	Autor	Wate Wate	Industry	Energ	Build	Solid
	WBC	51							
	LSA	51							
	LCC-H	51							
	LCC-M	51							
	LCC-R	51							
	TBC	52							
Slurry pumps	LCV	52							
Starry parties	MHD	52							
	LHD	52							
	MDX	52							
	ZW	53							
	HVF	53							
	DWD	53							
	TDW	53							
	Etaprime L	54							
	Etaprime B	54							
Self-priming pumps	EZ-B/L	54							
	AU	54							
	AU Monobloc	54							
	UPA C 100 EE	55							
	UPA C 150	55							
Submersible borehole pumps	UPA S 200, UPA S 250	55							
	UPA 200 - UPA 350	55							
	UPA 400 - UPA 1100	55							
	UPA D	56							
Vertical turbine pumps	B Pump	56							
	Comeo	57							
	Movitec H(S)I	57							
High-pressure pumps	Movitec	57							
д р рр.	Movitec VCI	57							
	Multitec	57							
	WKL	58							
	Omega	58							
Axially split pumps	RDLO	58							
	RDLP	58							
	Vitachrom	59							
	Vitacast	59							
Hygienic pumps for the food, beverage and	Vitacast Bloc	59							
pharmaceutical industries	Vitaprime	59							
	Vitastage	60							
	Vitalobe	60							
	CHTC / CHTD	60							
	HGB / HGC / HGD	60							
	HGI	61							
	HGM / HGM-S	61							
	YNK	61							
Pumps for power station conventional islands	LUVA	61							
	WKTB	61							
	SEZ	62							
	SNW	62							
	PNW	62							
	SPY	62							

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

Automation and drives

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

	CalioTherm S		CalioTherm Pro	CalioTherm S Pro		S Pro		2	Calio Pro	Pro 2	e Pro	2 0	Z e	e-R			2	9	r.	2	Etachrom B	Etachrom L	rm V	norm	ploc							
	CalioT		CalioT	CalioT		Calio S Pro	Calio	Calio 2	Calio	callo	Ftal ine Pro	Etaline	Etaline Z	Etalin	3		LIVIN MORE	Megallie	Etanorm	Etabloc	Etachr	Etachr	Etanorm V	Meganorm	Megabloc							
Waste water with faeces			_	Ť								T	$\bar{\Box}$	Ī							$\bar{\Box}$		$\overline{}$	_	$\bar{\neg}$	П	П	П	Т	\top	Т	Т
Waste water without faeces	bee	variable speed	2		variable speed						In-line pumps							_ i											工		I	
Aggressive liquids	ed s	- Ple	<u></u>		ple s						<u>е</u> _	\perp						a pe							\square	Ш	\Box	_	4	\perp	\perp	\perp
Inorganic liquids	Ę.	aria			aria					_ :	=	-	\perp	\Box	_	4	_	- Jan	-		Ш			_	\perp	\sqcup	\dashv	\dashv	+	+	+	\perp
Activated sludge Brackish water	- tor	- S	-	\vdash	.s, Vė	_		_	\vdash	-1		+	\vdash	\dashv	_	_	+	- 0	_	_	\vdash	_	\dashv		\exists	\vdash	\dashv	\dashv	+	+	+	+
Service water		ator			ator				\vdash						-		-	lose	-			_	\dashv	-	-	\vdash	\dashv	+	+	+	+	+
Distillate	i j		-	-	rcul					-	-	+-	-	-	-		+	- \frac{1}{2}	-	-		-	\dashv	\dashv	\dashv	\vdash	\dashv	+	+	+	+	+
Slurries	ate	- :			g ci	_			\Box	-		+	\vdash	\dashv	\dashv		\dagger	dise			\vdash		\dashv	_	\dashv	\Box	\dashv	\dashv	+	+	+	+
Explosive liquids	y Ø	/ate	3		Heating circulators,				\sqcap			\top	\Box	\dashv	\dashv	\top	\dagger	dar			Н		\dashv	\neg	\dashv	\Box	\dashv	\top	+	+	+	+
Digested sludge	Drinking water circulators, fixed speed	Drinking water circulators.	מ		He												j	Standardised / close-coupled pumps										\Box	丁		I	
Solids (ore, sand, gravel, ash)	Drir	nkir																S											I		I	
Flammable liquids		Dri												Ц												П		\perp	\perp	\perp	\perp	\perp
River, lake and groundwater			L	\sqcup		\square			\square			\perp	Ш	Щ			1		-		Щ				\sqcup	Ш	\dashv	\dashv	\perp	\perp	\perp	\perp
Liquefied gas			L						\sqcup	_		+	\vdash	\sqcup	\dashv	\perp	+		-					_	\square	\vdash	\dashv	\dashv	4	+	+	\perp
Food and beverages		-		\vdash		_	H		\vdash	-	_	+	\vdash	\dashv	\dashv	+	+	-	-		\dashv	_	\dashv	_	\dashv	\vdash	\dashv	\dashv	+	+	+	+
Gas-containing liquids Gas turbine fuels		-		\vdash					\vdash	+		+	\vdash	\dashv	\dashv	+	+	-	\vdash		\vdash	_	\dashv	_	\dashv	\vdash	\dashv	\dashv	+	+	+	+
Filtered water		-								-		+	\vdash	\dashv	\dashv	+	+		-		\dashv	_	\dashv	\dashv	\dashv	\vdash	\dashv	+	+	+	+	+
Geothermal water		-		\vdash		\vdash	H		\vdash	-		+	\vdash	\dashv	\dashv	+	$^{+}$	-	-		\vdash	_	\dashv	-	\dashv	H	\dashv	+	+	+	+	+
Harmful liquids									\Box			\top		\dashv		\top							\neg		\neg	\Box	\dashv	\top	+	+	+	+
Toxic liquids															\neg										\Box	\Box	\Box	\top	\top	\top	\top	
High-temperature hot water																												\Box	\Box		\perp	
Heating water			L				•	•		•	1						1								┛	Ш	\dashv	\dashv	4	\perp	\perp	\perp
Highly aggressive liquids		4								4		-	Н	\Box	_	4	+	_	_					_	_	\vdash	\dashv	\dashv	+	+	+	\bot
Industrial service water	\vdash	4	H							4						-	-		•			_				\vdash	\dashv	+	+	+	+	+
Condensate Corrosive liquids	\vdash	-	\vdash	\vdash		_			\vdash	-	_	+	\vdash	\dashv	\dashv	+	+	-	-		\dashv	_	\dashv	_	\dashv	\vdash	\dashv	+	+	+	+	+
Valuable liquids		-		\vdash		_			\vdash	-	\vdash	+	\vdash	\dashv	\dashv	+	+		-		\dashv	_	\dashv	_	\dashv	Н	\dashv	+	+	+	+	+
Fuels		-										+		\dashv	\dashv	+	+				\Box	_	\dashv	\dashv	\dashv	\vdash	\dashv	+	+	+	+	+
Coolants		-							\Box			+	Н	\dashv	\dashv		†				\Box				\exists	П	\exists	\top	\top	+	+	+
Cooling lubricant														\Box			\top								\neg	П	\exists	\exists	\top	\top	\top	1
Cooling water																																
Volatile liquids												\perp				Ţ	T									П		\Box	1	I	I	\perp
Fire-fighting water			L			Щ	L	_	Щ			1	\sqcup	Ц	•	-	ı İ			•	Ш		[Щ	\Box	\perp			丄	\perp
Solvents		4				_			Н	4	_	-	Н	\dashv	_	4	+	_	L					_	\perp	\vdash	\dashv	\dashv	+	+	+	+
Seawater	-	4	\vdash							-	H	+	\vdash	\dashv	-		-	_	H		\vdash	_		_	\dashv	\vdash	\dashv	+	+	+	+	+
Oils Organic liquids		-[H	\vdash		H	\vdash	_	\vdash	-		+	\vdash	\dashv	\dashv	+	+		Ŀ			-	\dashv	-	\dashv	H	\dashv	+	+	+	+	+
Pharmaceutical fluids				\vdash		H		\vdash	\vdash	-[+	\vdash	\dashv	+	+	+		-	H	Н	_		-	\dashv	H	\dashv	+	+	+	+	+
Polymerising liquids						H			\vdash	-		+	\vdash	\dashv	\dashv	+	+				Н			-	\dashv	\vdash	\dashv	+	+	+	+	+
Rainwater / stormwater				П		П			\sqcap			\top	П	\forall	\dashv	\top	\dagger				\forall			\neg	\dashv	\sqcap	\dashv	+	+	+	+	\top
Cleaning agents																															I	
Raw sludge																	I									\Box			\perp		I	
Lubricants									Ш				Ш	Ц	[П	\Box	\bot	\perp	\bot	\perp	\perp
Grey water			L	\sqcup					\square			\perp	Ш	Щ	4	\perp	1				Щ			_	\sqcup	\sqcup	\dashv	\dashv	\perp	\perp	\perp	\perp
Swimming pool water				\vdash		_	_	_	$\vdash \vdash$			+	\vdash	\rightarrow	\rightarrow		-		Ŀ	_		_	_			\vdash	\dashv	\dashv	+	+	+	+
Brine		-	-	\vdash		H	-	_	\vdash	-		+	\vdash	\rightarrow	-		_		•		$\vdash \mid$	_	_	-		\vdash	\dashv	\dashv	+	+	+	+
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Feed water												- 1	1						-	\vdash	\square					\vdash		- 1	1		- 1	4
Feed water Dipping paints		- i							\vdash					\Box			ı Le												十	+	\top	
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Feed water Dipping paints Drinking water	•	- - -		-		_	-	_													-					H		7	+	+		
Feed water Dipping paints Drinking water Thermal oil	•					-	•	-	-	-	•			-	•													 	+			

				N	Etanorm SYT / RSY	: SYT	SYT		J.K			chem	Magnochem 685	cnem-bloc o	RVP			RPH-LF RPHb / RPHd / RPHbd				CINCP / CINCN		Estigia RWCP / RWCN						
	HPK-1	HE H	HPK	RPH-HW	Etanorı	Etabloc SYT	Etaline SYT		MegaCPK CPKN	CPKNO		Magnochem	Magno	Magnod	Etaseco RVP		PH:	RPH-LF	RPH-V	CHTR	CHTRa	CINCP /	ַבּ בּ	Estigia RWCP /	WKTR /	ערו				
Waste water with faeces	Sd	Т			bs		П	Sd	\top	\top	bs					Sc							T		ī			\Box	П	_
Waste water without faeces	Hot water pumps				bumps		П	sdwnd	\neg		Seal-less pumps					Process pumps									•			\Box	П	_
Aggressive liquids	g l				oil p		П				s p					s p							•			-			П	_
Inorganic liquids	/ate				<u>a</u>			nice			l-le		• 1			Sec								•						
Activated sludge	ot v				E			her			Sea					Pr									4				\Box	_
Brackish water		\perp			<u> </u>			edo									•					_	-	•	\perp		L	Ш	Ш	_
Service water				Ш		Ш		rdis				\rightarrow	-							Ш			_		4			Ш	\sqcup	_
Distillate		•			wat	Ш		da					- 1				4					_	4	•	\perp			Ш	\sqcup	_
Slurries		+		Щ	Hot water / thermal	Ш		Standardised chemical	\perp	+		Щ	\perp	_	1		\perp	_	\vdash	Ш	Ш	\perp	\downarrow	\perp	\downarrow			\sqcup	\dashv	_
Explosive liquids	_	+	-	\sqcup	_	\vdash	\square			•			- 1	4	1				-			\dashv	\downarrow	•		4		\sqcup	\dashv	_
Digested sludge	_	+	\vdash	\sqcup		\vdash			\dashv	+		Н	+	+	\vdash		4	+	\vdash	\vdash	Ш	+	\downarrow	+	+	_		\vdash	\dashv	_
Solids (ore, sand, gravel, ash)		+	-	\square		$\vdash \vdash$			_	+		\sqcup	_	_	-		_	_	+			+	_	-	-			+	\dashv	_
Flammable liquids		+	-	\sqcup		$\vdash\vdash$							- 1	-	-								•		4			\dashv	\dashv	_
River, lake and groundwater		+	+	\sqcup		\vdash			+	+		$\vdash \vdash$	+	+	+		+	+	-	H		+	+	+	+	_		+	\dashv	_
Liquefied gas		+	\vdash		-	\vdash	\vdash		+	+		$\vdash\vdash$	+	+	\vdash		+	+	\vdash			+	+	+		-		+	\vdash	_
Food and beverages Gas-containing liquids	_	+	\vdash	\vdash		\vdash	-					H	+	-	+	-	+	+	\vdash		\dashv	+	+		+	-		+	\dashv	_
Gas turbine fuels		+	\vdash			\vdash	\vdash					\vdash	+	+	\vdash		\dashv	+	\vdash	-	\dashv	+	+	-	+	-		+	\dashv	_
Filtered water		+	\vdash	H	-	\vdash	\vdash	-	+	+		\vdash	+	+	+		+	+	+		\dashv	+	+	+	+	-		+	\vdash	_
Geothermal water	_	+-	\vdash	\vdash		\vdash	\dashv		+	+		H	+	+	+	-	+	+	+	-	\dashv	+	+	+	+	-		+	\dashv	_
Harmful liquids	_	+	\vdash			\vdash	\neg						_							•		+	+	-				+	\dashv	_
Toxic liquids		+-	\vdash			Н	\dashv	- -		_		H			_	-	-					-	_	_		_		+	\dashv	_
High-temperature hot water						П		-		_			-	-	┮	-			╫			\dashv	†	_	+	-		+	\dashv	_
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Highly aggressive liquids		1		П		П	\neg							•								\neg	\top	\top	\top			\Box	一	_
Industrial service water		\top				П	\neg					П	\top	\top	T		\dashv	\top	\vdash	П								\Box	\dashv	_
Condensate						П	\Box		\top	\top		П	\top		\top				\vdash				•	\top				\Box	\sqcap	_
Corrosive liquids						П	П																			•		\Box	T	_
Valuable liquids																							T							
Fuels																													П	_
Coolants																														Ξ
Cooling lubricant																							\Box	•						
Cooling water	_												•																Ш	_
Volatile liquids						Ш		-					<u> </u>										_	•		-			Ш	_
Fire-fighting water		\perp		Ш		Ш				_		Щ	\perp	\perp	_			\perp	_	Ц	Ц	\perp	4	\perp	\perp			\sqcup	Щ	_
Solvents		\perp	_	\sqcup		Ш		-		_			- 1		-				-			_	\rightarrow		_			\sqcup	\dashv	_
Seawater	_	\perp	_	\square		Ш						Щ	\perp	_	1		_	\perp	_				_					Ш	\dashv	_
Oils				\sqcup								\rightarrow				-			+=				=+			_		+	\dashv	_
Organic liquids		1	•	\sqcup		\vdash	\square						- -		-		•		-				-		1	4		+	\dashv	_
Pharmaceutical fluids		+	-	+		\vdash	\vdash		_	+			_	_	+		+	+	\vdash	H	\dashv	+	+	_	+	-[]		\dashv	\dashv	_
Polymerising liquids Rainwater / stormwater		+	\vdash	H		\vdash	$\overline{}$			-			- 1	-	+		+	+	\vdash	H	\dashv	+	_	-	+	-[]		+	\vdash	_
Rainwater / stormwater Cleaning agents		+	+	H		\vdash	H						•				_			Н	Н				+	-		+	\dashv	_
Raw sludge		+	\vdash	+		\vdash	\vdash			+-			<u> '</u>		-		-		-	\vdash	\vdash		-	-+-	+	-[]		+	\dashv	_
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Grey water		+	-	+		\vdash	-		-+-	+			- '	-	+		-		+	Н	\dashv	-+"	-			-		+	\dashv	_
Swimming pool water		+	\vdash	\dashv		\vdash	\dashv		+	+		\vdash	+	+	+		\dashv	+	+	Н	\dashv	+	+	+	+			+	\dashv	_
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Drinking water		\top				П						\rightarrow	_				\dashv		\top						•			\Box	\sqcap	_
Thermal oil				\Box						\top		\rightarrow	_		T						•	_			$\overline{}$			\Box	\dashv	_
									\neg	\neg		_	-		1_			T T				\neg	\rightarrow	=	\neg			\Box	\Box	_
Hot water																			L		ш	l	_1		┙			1	<u>'_</u> !	_

	MultiEco	MultiEco Pro	MultiEco Top	Ixo N	Ixo Pro	Filtra N	DeltaMacro	DeltaCompact	DeltaBasic	DeltaPrimo	DeltaSolo	DeltaSolo D	HyaSolo 2 D FL	HyaDuo 2 D FL	HyaSolo 2 D FL Compact	HyaDuo 2 D FL Compact	Surpress Feu SFE	KSB Safety Boost													
Waste water with faeces	S	Т			Т			Т	Т	Т						П			Т			Т				Т		Т		Т	\top
Waste water without faeces	립	+		\vdash	\dashv		= ==	+	+			Н			\vdash	\dashv	\dashv		+	\vdash	\dashv	\dashv	\dashv	\dashv	\dashv	+	Н	\dashv	+	+	+
Aggressive liquids	<u>a</u>	+	\vdash	H	\dashv		53/51	+	+	\vdash		\vdash	\vdash		\vdash	\dashv	\dashv	_	+	H	\dashv	\dashv	+	\dashv	_	+	\vdash	\dashv	+	+	+
Inorganic liquids	00	+	\vdash	H	\dashv		- F	+	+						\vdash	\dashv	\dashv		+	\vdash	\dashv	\dashv	\dashv	\dashv	+	+	\vdash	\dashv	+	+	+
Activated sludge	g	+		H	\dashv		Pressure booster systems	+	+	\vdash		Н	\Box	\neg	\vdash	\dashv	\dashv		+	H	\dashv	\dashv	\dashv	\dashv	_	+	\vdash	\dashv	+	+	+
Brackish water	틀ᅳ	+		H	\dashv	-	<u>ө</u> —	+	+			\vdash			\vdash	\dashv	\dashv	+	+	H	\dashv	\dashv	+	\dashv	+	+	Н	\dashv	+	+	+
Service water	E B						Sur	+	+					\neg		\dashv	\dashv		+		\dashv	\dashv	\dashv	\dashv	_	+		\dashv	+	+	+
Distillate	S =	╁	┢		_	-	e –	+	+	\vdash		Н	\vdash	\neg	\vdash	\dashv	\dashv	_	+	H	\dashv	\dashv	\dashv	\dashv	_	+	\vdash	\dashv	+	+	+
Slurries	≓⊢	+	\vdash	H	\dashv	-	-	+	+	\vdash		\vdash	\vdash	\neg	\vdash	\dashv	\dashv	_	+	\vdash	\dashv	\dashv	+	\dashv	+	+	Н	\dashv	+	+	+
Explosive liquids	0	+	\vdash	\vdash	\dashv			+	+	\vdash	\vdash	\vdash	\vdash	\dashv	\vdash	\dashv	\dashv	\dashv	+	\vdash	\dashv	\dashv	\dashv	+	+	+	\forall	\dashv	+	\top	+
Digested sludge	ntr	†	\vdash	H	\dashv			\dagger	+		Т	H	Н	\neg	H	\dashv	\dashv	\dashv	+	\vdash	\dashv	\dashv	\dashv	\dashv	+	+	Н	\dashv	+	+	+
Solids (ore, sand, gravel, ash)	9	\top	\vdash	\vdash	\dashv			†	\top		T	\vdash	Н		\vdash	\dashv	\dashv	\dashv	\top	\vdash	\dashv	\dashv	\dashv	\dashv	\top	+	Н	\dashv	+	\top	+
Flammable liquids	lati	†	T	H	\dashv			\dagger	+	\vdash		\vdash	П	\neg	Н	\dashv	\dashv	\dashv	+	\vdash	\dashv	\dashv	+	\dashv	+	+	\forall	\dashv	+	\top	+
River, lake and groundwater	ton	\top	\vdash	H	\dashv			\dagger	\top			П	П	\exists	Н	\dashv	\dashv	\dashv	\top	\Box	\dashv	\dashv	\top	\dashv	\top	\top	Н	\dashv	\top	\top	\top
Liquefied gas	Domestic water supply systems with automatic control unit / swimming pool pumps	\top	\vdash	\sqcap	\dashv			\dagger	\top		T	П	П		\Box	\dashv	\dashv	\neg	\top	\Box	\dashv	\dashv	\top	\dashv	\top	\top	П	\dashv	\top	\top	\vdash
Food and beverages	€	1		П	\dashv												\dashv			П	T		\top	\dashv			П			1	\vdash
Gas-containing liquids	N SC	T		П	\dashv			T	\top							\exists	\dashv		T		\exists	\dashv	\dashv	\exists	\top	\top	П	\neg	\top	\top	
Gas turbine fuels	ten	T	П	П	寸			T	\top		П					T	\dashv		T	П	\exists	T	\top		\top	\top	П	\neg	\top	T	\top
Filtered water	sys			П	\dashv			T								\Box	\dashv				\exists	\neg	\dashv	T		\top	П	\dashv	\top	\top	
Geothermal water	ᅙ			П																			\neg	T			П				
Harmful liquids	Sugar	İ		П												T	T		T		T	T					П			Ť	
Toxic liquids	ater																										П				
High-temperature hot water	M																														
Heating water	stic																														
Highly aggressive liquids	E L																							_			Ш				
aastiiai sei tiee tratei	<u> </u>	_		Ш													\perp				_		\perp	4			Ш		\perp	\perp	
Condensate		\perp		Ш	_			\perp	\perp			Ш				_	_	\perp	_		_	_	\perp	4	_	\perp	Ш	_	\perp	\perp	
Corrosive liquids				Ш													_	\perp	_		_		_	4			Ш		_	\perp	_
Valuable liquids		_		Ш	_			\perp	\perp								4	\perp	_			_	\perp	4	_	\perp	Ш	_	\perp	_	_
Fuels		_	_	Ш	_			_	\bot	_		Щ	\Box		Ш	4	_		╄	Ш	_	_	4	4	_	_	Ш	_	\perp	_	—
Coolants		-		Ш	_	_		_	\perp							_	\dashv	_	-		_	_	\perp	4	_	_	Ш	_	_	_	_
Cooling lubricant		+	-	Ш	_	_	L	\perp	+	_						_	\dashv	\perp	+		_	4	\perp	4	_	+	Н	_	\perp	+	_
Cooling water		+	_	Н	\dashv	_	L	+	+	⊬		\square	-	_	\square	-	\dashv	\perp	+	$\vdash \vdash$	-	\dashv	+	4	+	+	Н	-	+	+	-
Volatile liquids		+	_	$\vdash \vdash$	\dashv			+	+	-	-	\square	닏	ᆜ		_	_	-	+	\square	4	\perp	+	4	+	+	\vdash	_	+	+	+
Fire-fighting water		+	-	\vdash	\dashv			+	+	-	-	Н				•		+	+	$\vdash \vdash$	-	+	+	+	+	+	\vdash	\dashv	+	+	+
Solvents		+	\vdash	$\vdash \vdash$	+			+	+	\vdash	\vdash	\vdash	Н	\dashv	\vdash	\dashv	\dashv	+	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	+	+	+	+
Seawater Oils		+	\vdash	\vdash	+			+	+	-	H	\vdash	H	\dashv	Н	\dashv	\dashv	-	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	+	+	+	+
Organic liquids		+	\vdash	\vdash	+			+	+	\vdash	\vdash	\vdash	Н	\dashv	$\vdash \vdash$	\dashv	\dashv	+	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	\dashv	+	+	+
Pharmaceutical fluids		+	\vdash	\vdash	+	-		+	+	\vdash	\vdash	\vdash	Н	-	$\vdash \vdash$	\dashv	\dashv	-	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	\dashv	+	+	+
Polymerising liquids		+	\vdash	\vdash	+			+	+	\vdash		\vdash	\vdash	\dashv	$\vdash \vdash$	\dashv	\dashv	-	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	\dashv	+	+	+
Rainwater / stormwater		+	\vdash	\vdash	\dashv	-		1					Н	\dashv	\vdash	\dashv	\dashv	-	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	\dashv	+	+	+
Cleaning agents		+	\vdash	\vdash	\dashv		-	+	+	 -	-		\dashv	\dashv	\vdash	\dashv	\dashv	-	+	\vdash	\dashv	\dashv	+	+	+	+	\vdash	\dashv	+	+	+
Raw sludge		+	\vdash	\vdash	\dashv			+	+	\vdash		\vdash	Н	\dashv	\vdash	\dashv	\dashv	+	+	$\vdash \vdash$	\dashv	+	+	+	+	+	\vdash	\dashv	+	+	+
Lubricants		+	\vdash	\vdash	\dashv			+	+	\vdash	\vdash	\vdash	Н	\dashv	\dashv	\dashv	\dashv	+	+	\vdash	\dashv	\dashv	+	\dashv	+	+	\vdash	\dashv	+	+	+
Grey water		\top		\vdash	\dashv			+	+	\vdash		\vdash	Н	\dashv	\dashv	\dashv	\dashv	\dashv	+	\vdash	\dashv	\dashv	+	\dashv	+	+	\forall	\dashv	+	+	+
Swimming pool water		\top	\vdash	\vdash	\dashv								H	\exists	H	\dashv	\dashv	+	+	\forall	\dashv	\dashv	+	\dagger	+	+	\vdash	\dashv	+	+	+
Brine		\top	\vdash	H	\dashv			Ť	+-	Ť	Ť	Ħ	П		Н	\dashv	\dashv	\dashv	\top	\Box	\dashv	\dashv	\top	\dashv	\top	\top	Н	\dashv	\top	\top	\top
Feed water		\top	\vdash	H	\top			†	\top	\vdash	\vdash	\vdash	П	\neg	Н	\dashv	\dashv	\dashv	\top	\Box	\dashv	\top	\top	\dashv	\top	\top	\Box	\dashv	\top	\top	\vdash
Dipping paints		\top	\vdash	Н	\dashv			\dagger	\top			П	П	\exists	Н	\dashv	\dashv	\dashv	\top	\Box	\dashv	\dashv	\top	\dashv	\top	\top	Н	\dashv	\top	\top	\top
Drinking water				П	\dashv										П	寸					\exists	\dashv	\top	\dashv	\top	1	П	\dashv	\top		\top
Thermal oil		1		П	\dashv			†		İ	П				П	寸	\dashv		1	П	\dashv	\top	\top	\dashv	\top	\top	П	\neg	\top	1	\top
Hot water				П	\neg			Ť	\top			П	П		П	\Box	\dashv		1	П	\exists	\dashv	\top	\dashv	\top	\top	П	\neg	\neg	\top	\top
Wash water																															

	AmaDrainer 3	AmaDrainer 4/5	AmaDrainer 80/100	AmaPorter	Rotex	IVIK / IVIKY	Amaclean	AmaDrainer Box Mini	AmaDrainer Box	Evamatic-Box N	MiniCompacta	Compacta	CK 800 Pump Station	CK 1000 Pump Station	Ama-Porter CK Pump Station	Amaflow Dry	SKA	Amarex	Amarex NS	Amarex KRT		B Pump									
Waste water with faeces	SC					2	2										_ ×	3			SC								\Box		
Waste water without faeces	₹				T	. <u>-</u>											E				틸									\Box	
Aggressive liquids	g					t	319		П								2	-	1		e p	T	T		T				\top	П	
Inorganic liquids	ate				T	2		Т									to	3	T		pin									\Box	
Activated sludge	>					2	2		П								Submersible motor pumps	,			Vertical turbine pumps									П	
Brackish water	gre					906	age	Т									idis		Т		cal									П	
Service water	SC /				T	- X	200										Der				erti									П	
Distillate	Ę					2	2										h	2			>										
Slurries	e D	Т				j.	3	Т	П								V	,	T											\Box	
Explosive liquids	Drainage pumps / grey water pumps					lifting units / package pump stations	מ מ		П													╗								П	
Digested sludge	rair			\Box	\neg	<u>;</u>			П																					П	
Solids (ore, sand, gravel, ash)						-	5	Τ												П										П	
Flammable liquids					T			Τ											T											П	
River, lake and groundwater					T			Т																						П	
Liquefied gas																														П	
Food and beverages																															
Gas-containing liquids																															
Gas turbine fuels																													\perp		
Filtered water																															
Geothermal water																															
Harmful liquids									Ш																					Ш	
Toxic liquids							L		Ш													_							\perp	Ш	
High-temperature hot water		\perp			\perp			\perp	Ш										\perp	Ш		_	\perp	\perp	4					Ш	_
Heating water		\perp	L	\Box	4			╄	Ш			_				_		L	1	\perp		_	4	\perp	4	_		\perp	\bot	Ш	<u> </u>
Highly aggressive liquids		\perp	_	\sqcup	\perp	_	L	\perp	Ш	Ш	_	_		_		_		L	\perp	\sqcup		_	4	\perp	\perp	\perp	_	\perp	_	\sqcup	<u> </u>
Industrial service water				\sqcup	_			\perp	Ш							_	4	Ŀ					\dashv	\perp	+	_		\perp	+	Ш	<u></u>
Condensate		\perp	<u> </u>	\sqcup	_ '		\vdash	\perp	Ш	Ш			Щ	_	\Box	_	4	H	+	\vdash		_	\dashv	\perp	+	+	_	\perp	+	Ш	<u> </u>
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Overview of Applications

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Fountains		+	+		H	Н	\vdash	+	+	+	+	\vdash	\dashv	-		+		_		+									Н	\dashv
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Drive, variable speed system and monitoring

KSB SuPremE



Number of pumps V [V]

≤ 1 Description

PumpDrive / PumpDrive R only

Power supply via IEC-compatible sensorless magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4 / IE5 (super/ultra premium efficiency) to IEC TS 60034-30-2:2016 for operation on a KSB PumpDrive 2, PumpDrive 2 Eco or PumpDrive R variable speed system. Suitable for connection to three-phase 380 - 480 V power supply (via PumpDrive). The motor mounting points comply with EN 50347 specifications to ensure compatibility with standardised IEC frame motor applications and full interchangeability with IE2 or IE3 standardised asynchronous motors. Envelope dimensions lie within the limits for IE2 / IE3 motors as recommended in DIN V 42673 (07-2011). The motor is controlled without rotor position sensors. The efficiency of the motor also exceeds 95 percent of nominal efficiency when the motor runs at 25 percent of its nominal power on a quadratic torque-speed curve. The motor is magnetless which means that socalled 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 footmounted and/or flange-mounted motors.

https://www.ksb.com/en-ab/lc/SD80

KSB UMA-S



Number of pumps V [V]

Other mains voltages on request

3~400 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

V [V]





Number of pumps P [kW]

Frequency inverter

1 per motor

≤6 Description

55 Modular self-cooling frequency inverter that enables continuously variable speed control of 3~380 - 480 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 P [kW]

Frequency inverter

V [V]

3~380 - 480

≤ 6 Description

55 Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive R is self-cooling, it can be mounted on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller. PumpDrive R extends the power range of PumpDrive 2 up to a rated power of 400 kW (standard) / 1400 kW (on request).

Applications

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

https://www.ksb.com/en-gb/lc/K01A

PumpMeter



Number of pumps V [V DC]

≤ 1 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

Description

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

Applications

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

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

KSB Leakage Sensor



Installation type

Stationary $\geq -30 - \leq +350$

Stationary 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	Description
Q [m³/h]	≤ 0,7	Maintenance-free high-efficiency glandless drinking water circulator, screw-ended, permanent
H [m]		magnet synchronous motor with multiple fixed speed levels, for use in drinking water supply
p [bar]	≤ 10	systems.
T [0.0]		Applications

≥ +5 - ≤ +65 Drinking water circulation systems

https://www.ksb.com/en-gb/lc/C14

Drinking water circulators, variable speed

Data for 50 Hz operation Also available for 60 Hz

CalioTherm Pro



G	1 1/2 - 2	Description
DN		Maintenance-free high-efficiency variable speed glandless drinking water circulator, screw-ended
Q [m³/h]	≤ 24	
H [m]	≤ 12	drinking water supply systems and hot water supply systems.
p [bar]	≤ 10	Applications Drinking water supply systems, hot water supply systems and similar systems in industry and
T [°C]	≥ +2 - ≤ +70	building services (e.g. cooling water recirculation)
n [rpm]	≤ 4500	,

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

CalioTherm S Pro



G Q [m³/h] H [m] p [bar] T [°C]	≤ 3,5 ≤ 6	Description Maintenance-free high-efficiency variable speed glandless drinking water circulator, screwended, 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
n [rpm]	≤ 3000	services (e.g. cooling water recirculation).
n [rpm]	≤ 3000	services (e.g. cooling water recirculation).
	Data for 50 Hz operation	

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

Heating circulators, variable speed

Calio S Pro



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

Data for 50 Hz operation Also available for 60 Hz - 2 Description

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

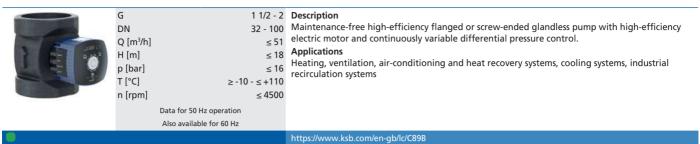
Applications

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

https://www.ksb.com/en-gb/lc/C90

Pumps 29

Calio



Calio Z

	G		Description
Topo	DN Q [m³/h]	< 70	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
	H [m] p [bar] T [°C] n [rpm]	≤ 18 ≤ 16 ≥ -10 - ≤ +110 ≤ 4500	Replications and the street recovery systems, cooling systems, industrial recirculation systems
		Data for 50 Hz operation Also available for 60 Hz	
			https://www.ksb.com/en-gb/lc/C09B

Calio Pro

No.	G DN Q [m³/h] H [m] p [bar] T [°C]	32 - 65 < 24	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	Description
	DN	32 - 50	Maintenance-free high-efficiency flanged or screw-ended glandless pump in twin pump design
	Q [m³/h]	≤ 22	with high-efficiency electric motor and continuously variable differential pressure control.
	H [m]	< 12	Applications
	p [bar]	< 16	Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial
A SIMP	T [°C]	≥ -10 - ≤ +110	recirculation systems
	1 [C]	2-10-5+110	
		Data for 50 Hz operation	
		Also available for 60 Hz	
			https://www.ksb.com/en-gb/lc/C09C

In-line pumps

EtaLine Pro



G DN Q [m³/h]H [m] < 42.9 p [bar] ≤ 10 T [°C] $\geq -20 - \leq +120$

> Data for 50 Hz operation Also available for 60 Hz

1 1/2 Description

25 - 65 EtaLine Pro – more compact, flexible and efficient. Service-friendly high-efficiency variable speed ≤ 63,6 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 airconditioning applications as well as water supply systems.

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 Q [m³/h]H [m] p [bar] T [°C]

Data for 50 Hz operation Also available for 60 Hz

≤ 700 Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor of ≤ 96 efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEXcompliant version available.

Applications

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

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

Etaline Z



DN Q [m³/h]H [m] p [bar]

T [°C] \geq -30 - \leq +140 Data for 50 Hz operation Also available for 60 Hz

32 - 200 Description

≤ 1095 Single-stage volute casing pump in in-line design as twin pump, with magnetless KSB SuPremE ≤ 38,5 motor of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. An M12 module (accessory) enables redundant operation of Etaline Z without the need for a higher-level controller. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

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

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

Etaline-R



Q [m³/h]H [m] p [bar]

T [°C]

 \geq -30 - \leq +140

Data for 50 Hz operation Also available for 60 Hz 150 - 350 Description

≤ 1900 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

≤ 93

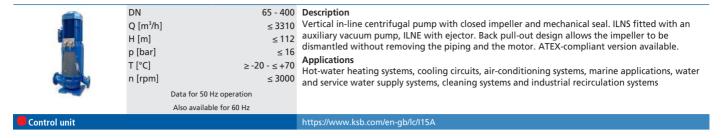
≤ 25

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

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

Pumps 31

ILN



ILNC

	≤ 370 ≤ 112 ≤ 16	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
Control unit		https://www.ksb.com/en-gb/lc/116A

ILNR

DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	≤ 1600 ≤ 93 ≤ 10	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
	available for 60 Hz	

Megaline

DN	32 - 200	Description
Q [m ³ /h]	≤ 600	Volute casing pump for horizontal or vertical installation, in back pull-out design, single-stage,
H [m]	≤ 135	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.
p [bar]		Applications
T [°C]	≥ 0 - ≤ +90	Heating circuits, water supply systems, air-conditioning systems, waste water, industrial
	Data for 60 Hz operation	recirculation systems
		https://www.ksb.com/en-gb/lc/M51B

Standardised / close-coupled pumps

Etanorm



DN Q [m³/h]H [m] p [bar] T [°C] > -30 - < +140 Data for 50 Hz operation

Also available for 60 Hz

25 - 150 Description

≤ 1930 Horizontal volute casing pump, single-stage, with ratings and main dimensions to EN 733, long-≤ 160 coupled, back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings, with motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

Applications

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

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

Etabloc



DN Q [m³/h] H [m] p [bar] T [°C]

≥ -30 - ≤ +140 Data for 50 Hz operation

Also available for 60 Hz

25 - 150 Description

≤ 660 Single-stage close-coupled volute casing pump, with ratings to EN 733, with replaceable shaft ≤ 160 sleeve and casing wear rings, with motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with

EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant 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

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

Etachrom B



DN Q [m³/h]H [m] p [bar] T [°C]

≤ 12 ≥ -30 - ≤ +110

Data for 50 Hz operation Also available for 60 Hz

25 - 80 Description

≤ 260 Horizontal single-stage close-coupled circular casing pump, with ratings and main dimensions to ≤ 105 EN 733, with replaceable casing wear rings and motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available.

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

Etachrom L



DN Q [m³/h]H [m] p [bar] T [°C]

≥ -30 - ≤ +110

Data for 50 Hz operation Also available for 60 Hz

25 - 80 Description

 \leq 260 Horizontal single-stage circular casing pump, with ratings and main dimensions to EN 733, with ≤ 105 replaceable casing wear rings and motor-mounted variable speed system. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant

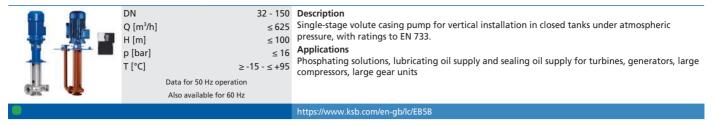
version available. **Applications**

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

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

Pumps 33

Etanorm V



Meganorm

DN Q [m³/h] H [m] p [bar] T [°C]	< 1160	Description Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 2858/ISO 5199. Available with cylindrical or conical shaft seal chamber. Applications Water supply systems, drainage systems, irrigation systems, sugar industry, alcohol industry, air-conditioning systems, building services systems, fire-fighting systems
		https://www.ksb.com/en-gb/lc/M52B

Megabloc

DN Q [m³/h] H [m] p [bar] T [°C]	≤ 550	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

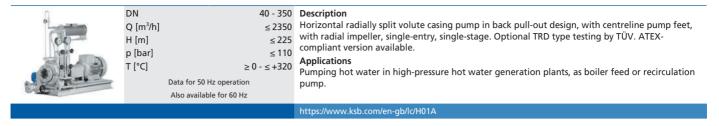
HPK-L

	DN Q [m³/h] H [m] p [bar] T [°C]	≤ 1160 ≤ 162 ≤ 40	Description Horizontal radially split volute casing pump in back pull-out design to ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. Equipped with heat barrier, seal chamber air-cooled by integrated fan impeller, no external cooling. ATEX-compliant version available. Applications Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems
KSB Leakage Sensor			https://www.ksb.com/en-gb/lc/H07B

HPK

DN Q [m³/h] H [m] p [bar] T [°C]	≤ 4150 ≤ 185	version available. Applications Pumping hot water and thermal oil in piping systems or tank systems, particularly in medium- sized and large hot-water heating systems, forced circulation boilers, district heating systems
		https://www.ksb.com/en-gb/lc/H02A

HPH



RPH-HW

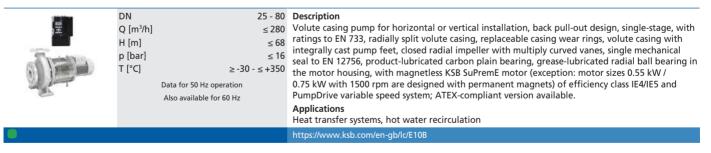
DN Q [m³/h] H [m] p [bar] T [°C]	≤ 1800 ≤ 270	Applications Recirculating hot water in industrial plants and small to medium-sized power plants.
		https://www.ksb.com/en-gb/lc/R48A

Hot water / thermal oil pumps

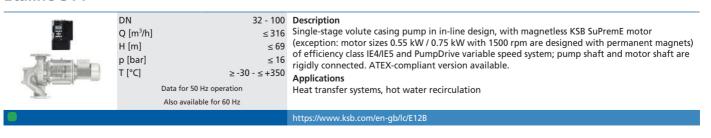
Etanorm SYT / RSY

	DN Q [m³/h] H [m] p [bar] T [°C]	≤ 1900 ≤ 102 ≤ 16	Description Horizontal volute casing pump in back pull-out design, single-stage, with ratings and dimensions to EN 733, radially split volute casing with integrally cast pump feet, replaceable casing wear rings, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, double mechanical seal to EN 12756, drive-end bearings: rolling element bearings, pump-end bearings: plain bearings, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available. Applications Heat transfer systems, hot water recirculation
KSB Leakage Sensor			https://www.ksb.com/en-gb/lc/E44B https://www.ksb.com/en-gb/lc/E23A

Etabloc SYT



Etaline SYT



Standardised chemical pumps

MegaCPK



DN Q [m³/h] H [m] p [bar] ≤ 40 T [°C] > -40 - < +400 Data for 50 Hz operation

Also available for 60 Hz

25 - 250 Description

≤ 3300 Horizontal radially split volute casing pump in back pull-out design, with radial impeller, singleentry, 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.

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.

CPKN



DN Q [m³/h] H [m] p [bar] T [°C]

400 < 185 ≤ 25 ≥ -40 - ≤ +400 Data for 50 Hz operation

Also available for 60 Hz

Description

≤ 4150 Horizontal radially split volute casing pump in back pull-out design, with radial impeller, singleentry, 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

 $\overset{\cdot \ \cdot \ \cdot }{\text{Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the}$ 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 Q [m³/h] H [m] p [bar] T [°C]

25 - 160 / 200 - 315 Description

≤ 150

≤ 25 ≥ -40 - ≤ +400

Data for 50 Hz operation Also available for 60 Hz

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

Pumping aggressive organic and inorganic fluids, fluids that tend to polymerise, and slightly gasladen fluids.

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

Seal-less pumps

Magnochem



DN Q [m³/h]H [m] p [bar] T [°C]

≤ 162

25 - 250 Description ≤ 1160 Horizontal seal-less volute casing pump in back pull-out design, with magnetic drive, to ≤ 40

DIN EN ISO 2858 / ISO 5199, with radial impeller, single-entry, single-stage. ATEX-compliant version available. > -90 - < +400

Applications

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

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

Magnochem 685



Q [m³/h] H [m] p [bar] T [°C] ≥ -90 - ≤ +350

Data for 50 Hz operation

Also available for 60 Hz

Data for 50 Hz operation Also available for 60 Hz

25 - 250 Description

≤ 1160 Horizontal seal-less volute casing pump, with magnetic drive, radial impeller, single-entry, single-≤ 162 stage. Design to ISO 15783 / API 685 (centreline mounting, ASME flanges, and twice the permissible nozzle forces). ATEX-compliant version available. ≤ 40

Applications

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

Magnochem-Bloc



Q [m³/h]H [m] p [bar]

T [°C]

≥ -20 - ≤ +200 Data for 50 Hz operation Also available for 60 Hz

25 - 160 Description

≤ 40

≤ 100

≤ 625 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.

Etaseco



DN Q [m³/h]H [m] p [bar] T [°C]

≥ -40 - ≤ +140 Data for 50 Hz operation Also available for 60 Hz

32 - 80 Description

≤ 250 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. ≤ 16

Applications

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

Etaseco RVP



DN Q [m³/h]H [m] p [bar] T [°C]

≥ -50 - ≤ +110 Data for 50 Hz operation Also available for 60 Hz

25 - 40 Description

≤ 44 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 ≤ 40 connecting dimensions to EN 733. ≤ 16

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.

Process pumps

RPH



Q [m³/h]H [m] ≤ 270 p [bar] ≤ 110 > -70 - < +450

Data for 50 Hz operation

Also available for 60 Hz

25 - 400 Description

≤ 4150 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.

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Applications

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

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

RPH-LF



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

Also available for 60 Hz

50 Description

≤ 40 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. ATEXcompliant 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 Q [m³/h]< 5100 H [m] ≤ 680 p [bar] ≤ 100 T [°C] \geq -80 - \leq +450

> Data for 50 Hz operation Also available for 60 Hz

40 - 400 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 Q [m³/h] H [m] p [bar] T [°C]

25 - 80 / 40 - 150 Description

 \geq -30 - \leq +274

≤ 150 Vertical single-stage sump pump to API 610 and ISO 13709 (heavy duty), type VS4, with integral ≤ 240 thrust bearing assembly and separate discharge line. ATEX-compliant version available.

≤ 35 Applications

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

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

CHTR



DN Q [m³/h] H [m] ≤ 4000 p [bar] ≤ 400 T [°C] \geq -60 - \leq +450 n [rpm] ≤ 7000 Data for 50 Hz operation

> Also available for 60 Hz Higher ratings possible upon request

Data for 50 Hz operation Also available for 60 Hz

50 - 300 Description

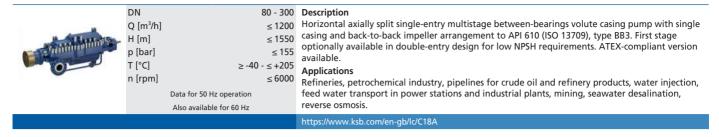
≤ 1450 Horizontal high-pressure barrel-type pump with radial impellers, single-entry and double-entry, multistage, with flanges or weld end nozzles to DIN, API 610 and ANSI.

Applications

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

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

CHTRa



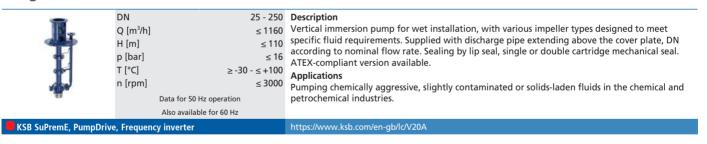
CINCP / CINCN

DN Q [m³/h] H [m] p [bar] T [°C] n [rpm] Data for 50 Hz Also available	≤ 780 ≤ 105 ≤ 10 $\geq -10 - \leq +100$ ≤ 3000 operation	Description Vertical immersion pump in cantilever design for wet or dry installation. Semi-open impeller, pump shaft without guide bearings, supported by ball bearings in the upper section 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

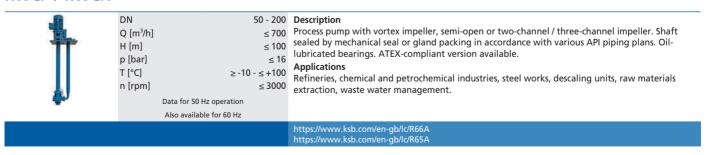
INVCP

+	≤ 1600 ≤ 116 ≤ 10 $\geq -10 - \leq +100$	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
		https://www.ksb.com/en-gb/lc/l22A

Estigia

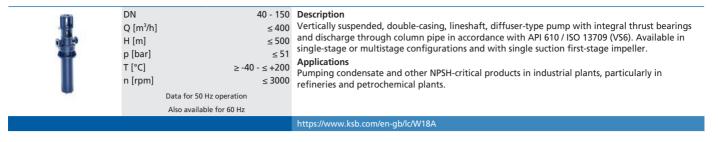


RWCP / RWCN



39

WKTR



Domestic water supply / swimming pool pumps

MultiEco

	Rp	1 - 1 1/4	Description
	Q [m ³ /h]		Multistage self-priming centrifugal pump in close-coupled design.
	H [m]	≤ 54	Applications
	p [bar]	≤ 10	Single- or two-family houses, agricultural facilities, spray irrigation systems, general irrigation systems and washing plants, water supply and rainwater harvesting.
	T [°C]	≥ +4 - ≤ +50	systems and washing plants, water supply and rainwater narvesting.
4 6	n [rpm]	≤ 2800	
		Data for 50 Hz operation	
Controlmatic, Cervomati	c		https://www.ksb.com/en-gb/lc/M17A

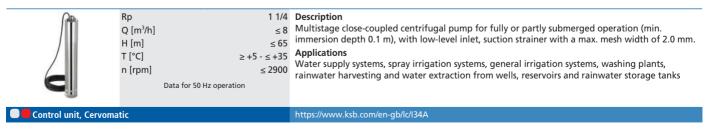
MultiEco Pro

Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]	≤ 8 ≤ 54 ≤ 10	Annlications
		https://www.ksb.com/en-gb/lc/M18A

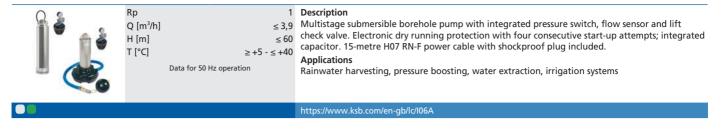
MultiEco Top

Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]	≤ 8 ≤ 54 ≤ 10	Applications
		https://www.ksb.com/en-gb/lc/M19A

Ixo N



Ixo Pro

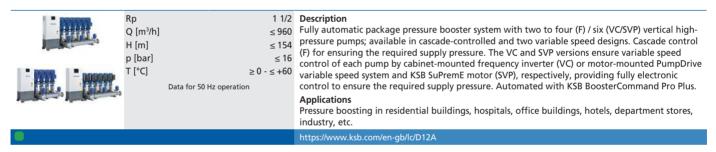


Filtra N



Pressure booster systems

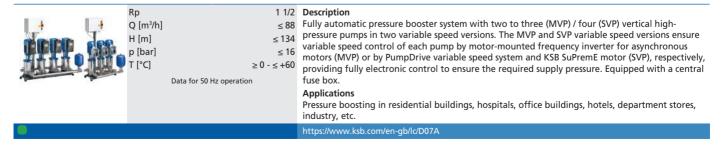
DeltaMacro



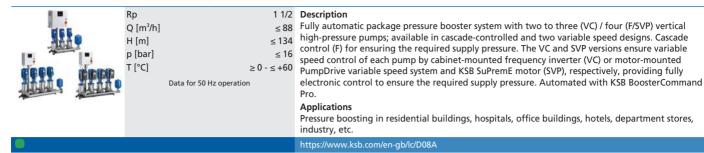
DeltaCompact



DeltaBasic



DeltaPrimo



DeltaSolo

			Rp	1 1/4	Description
1			Q [m ³ /h]	≤ 76	Fully automatic single-pump system available in two variable speed versions. The MVP and SVP
		OL .	H [m]	≤ 145	variable speed versions ensure variable speed control of each pump by motor-mounted frequency
	0		p [bar]	≤ 16	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
l l			T [°C]	≥ 0 - ≤ +60	
- 4	1	-	. [0]		pressure.
				Data for 50 Hz operation	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 DN Q [m³/h] H [m] p [bar] T [°C]	≤ 110	Description Fully automatic package single-pump system with 8-litre membrane-type accumulator. The system is started and stopped as a function of pressure. Applications Water supply systems for residential and office buildings, irrigation and spray irrigation, rainwater harvesting and service water supply systems in trade and industry.
		https://www.ksb.com/en-gb/lc/H17A

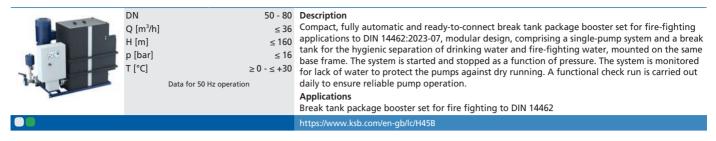
HyaSolo 2 D FL

Rp DN Q [m³/h] H [m] p [bar] T [°C]	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
	https://www.ksb.com/en-gb/lc/H16B

HyaDuo 2 D FL

Rp DN Q [m³/h] H [m] p [bar] T [°C]	150	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



HyaDuo 2 D FL Compact

	DN	50 - 80	Description
	Q [m³/h] H [m] p [bar]	≤ 36 Cor ≤ 160 app < 16 red	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
	T [°C]	$\geq 0 - \leq +30$ Data for 50 Hz operation	fighting water, mounted on separable base frames. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation. Applications Break tank package booster set for fire fighting to DIN 14462
			https://www.ksb.com/en-gb/lc/H46B

Surpress Feu SFE

Rp Q [m³/h] H [m] p [bar] T [°C]	≤ 40	Applications
		https://www.ksb.com/en-gb/lc/SC3A

KSB Safety Boost



Drainage pumps / grey water pumps

AmaDrainer 3



AmaDrainer 4/5



AmaDrainer 80/100

	Rp DN Q [m³/h] H [m] T [°C]	100 ≤ 130 < 26	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, LevelContro	ol		https://www.ksb.com/en-gb/lc/A76A

AmaPorter

	DN Q [m³/h] H [m] T [°C] Data for 50 Hz operation	≤ 127,1 < 36.9	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, LevelContro	l e		https://www.ksb.com/en-gb/lc/A10A

Rotex

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

g a		$\begin{array}{lll} & & & \leq 3 \\ H \ [m] & & \leq 5 \\ T \ [^{\circ}C] & \geq -10 - \leq +20 \\ n \ [rpm] & \leq 350 \\ Installation \ depth & \leq 2 \\ [m] & & & \\ & & & \\ Data \ for \ 50 \ Hz \ operation \\ & & & \\ Also \ available \ for \ 60 \ Hz \\ \end{array}$	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	, LevelContr	ol	https://www.ksb.com/en-gb/lc/M02A

Lifting units / package pump stations

Amaclean



Ø [mm] Installation depth 1000 - 1800 Description

50 - 100 Self-cleaning tank insert for grouted installation in new concrete structures or in concrete 4,5 - 9,0 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.

Waste water disposal, rainwater disposal

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

AmaDrainer Box Mini



Q [m³/h]H [m] T [°C]

Data for 50 Hz operation

40 Description

≤ 10 Reliable and compact grey water lifting unit in a modern design with activated carbon filter meeting hygiene requirements and with shower connection as standard; complies with

EN 12050-2.

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

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

AmaDrainer Box



H [m] T [°C]

Q [m³/h]

Data for 50 Hz operation Also available for 60 Hz

≤ 46 Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, ≤ 24 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



Q [m³/h] H [m] T [°C]

Data for 50 Hz operation

50 - 65 Description

 \leq 40 Floodable lifting unit for domestic waste water, equipped with either one or two pumps of type AmaPorter F (vortex impeller) or AmaPorter S (cutter)

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

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

MiniCompacta



DN Q [m³/h]H [m] T [°C]

Data for 50 Hz operation

32 - 100 Description

≤ 36 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. ≤ 25

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

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

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Compacta



DN 80 - 100 Description

Q [m³/h] ≤ 145 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.

T [°C] Sata for 50 Hz operation Data for 50 Hz

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

underground train stations or for joint sewage disposal from rows of houses.

CK 800 Pump Station



DN
Q [m³/h]
H [m]
T [°C]
Data for 50 Hz operation
Data for 50 Hz operation
Data for 50 Hz operation
Data for 50 Hz operation
Data for 50 Hz operation

32 - 50
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/C05

CK 1000 Pump Station



DN

Q [m³/h]

H [m]

T [°C]

Data for 50 Hz operation

Data for 50 Hz operation

Data for 50 Hz operation

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/C05/

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

Ama-Porter CK Pump Station



DN 50 - 65 Description

Q [m³/h] \leq 40 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

disposal for multiple residential units, pumped drainage

Amaflow Dry



DN

Q [m³/h]

H [m]

T [°C]

Data for 50 Hz operation

Data for 50 Hz operation

Data for 50 Hz operation

S = 280

Description

Package pump station with tank made of glass fibre reinforced polyester, equipped with two dryinstalled 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

Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage

https://www.ksb.com/en-gb/lc/\$93/

SRA



DN Q [m³/h] H [m] T [°C]

Data for 50 Hz operation

Also available for 60 Hz

50 - 100 Description

 $\stackrel{\cdot}{\leq}$ 200 Dual-pump station as ready-to-connect package system, with collecting tank made of GFRP for ≤ 75 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 Q [m³/h]H [m] T [°C]

50 - 150 Description

≤ 320 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.

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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 Q [m³/h] H [m] T [°C]

Data for 50 Hz operation Also available for 60 Hz

Data for 50 Hz operation

Also available for 60 Hz

32 - 50 Description

≤ 22 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-ab/lc/A31A

Amarex KRT



DN Q [m³/h] H [m] T [°C] n [rpm]

40 - 700 ≤ 120

≤+60 ≤ 2900 Data for 50 Hz operation

Description

≤ 10080 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

Also available for 60 Hz PumpDrive, AmaControl, LevelContr

Submersible pumps in discharge tubes

Amacan K



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

Also available for 60 Hz

Also available for 60 Hz

Description

≤ 30

≤ 25200

≥ 0 - ≤ +40

≤ 12

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

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

AmaControl

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

Amacan P



DN Q [m³/h]H [m] T [°C] n [rpm] Data for 50 Hz operation

500 - 1500 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.

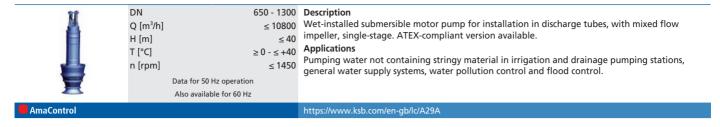
Applications

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



AmaCan D

	DN Q [m³/h] H [m] T [°C] n [rpm]	≤ 8000 ≤ 29	Description Wet-installed submersible motor pump for installation in discharge tubes, with open multi-vane impeller, single-stage, ATEX-compliant version available. Applications In irrigation and drainage pumping stations, rainwater pumps, raw and clean water pumps in water works and waste water treatment plants. Cooling water pumps in power stations and industry, industrial water supply, mechanically pre-treated waste water, water pollution control, flood control and aquaculture
PumpDrive, AmaControl			https://www.ksb.com/en-gb/lc/A43A

Mixers / agitators / tank cleaning units

AmaProp



Propeller Ø [mm] T [°C] Installation depth

800 - 2600 Description

 $\geq 0 - \leq +40$ Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, with coaxial ≤ 12 spur gear drive. Explosion-proof version available.

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

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

Also available for 60 Hz

Amamix



Propeller Ø [mm] T [°C] Installation depth

> Data for 50 Hz operation Also available for 60 Hz

200 - 600 Description

≥ 0 - ≤ +40 Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, direct drive. ATEX-compliant version available.

Applications

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

AmaControl

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

Amaline



DN Q [m³/h] H [m] T [°C]

Also available for 60 Hz

200 - 800 Description

≤ 2,5

≤ 1450

≥ 0 - ≤ +40

≤ 6600 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 Q [m³/h]H [m] p [bar] T [°C] n [rpm]

≤ 10 ≤ +70 ≤ 2900 Data for 50 Hz operation

50 - 700 Description ≤ 10000 Volute casing pump for horizontal or vertical installation, with various next-generation impeller

≤ 115 types, discharge flange to DIN and ANSI standards. Explosion-proof version available. 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 Q [m³/h]H [m] p [bar] T [°C]

Data for 50 Hz operation Also available for 60 Hz

Also available for 60 Hz

≤ 1200 Description

≤ 32400 Vertical volute casing pump with multi-channel impellers (K), discharge flange to DIN and ANSI ≤ 115 standards.

≤ 16 Applications

≤ +70

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

Sewabloc



Q [m³/h]H [m] p [bar] T [°C]

n [rpm]

50 - 200 Description

≤ 1000 Close-coupled volute casing pump for horizontal or vertical installation, with various next-≤ 90 generation impeller types, discharge flange to DIN and ANSI standards. Explosion-proof version

≤ 10 **Applications** ≤ +70

< 2900 Data for 50 Hz operation

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

PumpDrive, LevelControl

KWP



DN Q [m³/h]H [m] p [bar] T [°C] n [rpm]

≤ 10 ≥ -40 - ≤ +140

Also available for 60 Hz

Data for 50 Hz operation

Also available for 60 Hz

Data for 50 Hz operation Also available for 60 Hz

40 - 900 Description

≤ 15000 Horizontal radially split volute casing pump in back pull-out design, single-stage, single-entry, ≤ 100 available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller. ATEX-compliant version available. Applications

≤ 2900

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 Q [m³/h]H [m] p [bar] T [°C] n [rpm]

< 100 ≤ 10

≤ 2900

 \geq -40 - \leq +100

40 - 100 Description \leq 325 Horizontal or vertical radially split close-coupled volute casing pump, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller.

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

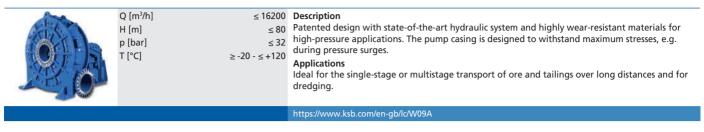
PumpDrive

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

51

Slurry pumps

WBC



LSA

	Q [m ³ /h]	≤ 25000	Description
Access	H [m]	≤ 105	Rugged pump with casing, impeller and liners in proprietary GIW Gasite® material, recognised
	p [bar]	≤ 50	worldwide for superior abrasion resistance. Several impeller options available for fine-tuning
0	T [°C]	≥ -20 - ≤ +120	pump performance to customers' pumping needs. The options provide optimum wear life and sustained efficiency.
0-1			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	Description
H [m] ≤ p [bar] ≤		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

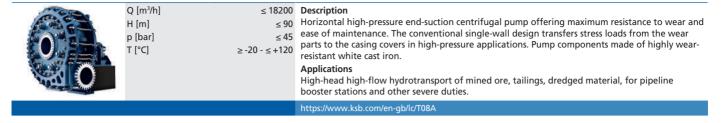
LCC-M

Q [m³/h] H [m] p [bar] T [°C]	< 90	Description The LCC-M is a high-efficiency slurry pump with excellent wear characteristics over a broad operating range. The wetted pump end (casing, impeller, suction plate/liner) is made of high chrome white iron. The design is optimised to permit easy dismantling and reassembly for maintenance and inspection. MAWP ranges from 8 to 16 bar depending upon size. Ideal for Class 1-2 slurries. Applications Reliable pump for high heads and moderately corrosive slurries. Used in mine dewatering, ash and tailings transport and dredging.
		https://www.ksb.com/en-gb/lc/L13A

LCC-R

Name and the Association of	Q [m³/h]	≤ 2560	Description
	H [m]	≤ 42	Interchangeable rubber-lined or part-metal design allows adaptation of existing pumps to new
	p [bar]	≤ 16	applications by simply exchanging the pump wet end.
	T [°C]	≤+65	Applications The pumps are suitable for moderate heads, fine particles and highly corrosive slurries.
			The pumps are suitable for moderate neads, fine particles and nightly conosive surnes.
			https://www.ksb.com/en-gb/lc/L19A

TBC



LCV

	Q [m³/h]	≤ 2029	Description
## TIME:	H [m]	≤ 77	Robust vertical cantilever pump with bottom suction and no submerged bearings. Design with
Ale:	p [bar]	≤ 11	open and closed impeller for best efficiency, and maximum free passage. Wetted pump-end wear
	T [°C]	≥ +5 - ≤ +120	open and closed impeller for best efficiency, and maximum free passage. Wetted pump-end wear parts (casing, impeller, suction plate / liner) made of high-chrome white cast iron for excellent wear characteristics. Maximum permissible working pressures range from 7 to 11 bar, depending
			on the size. Ideal for transporting class 1 and class 2 slurries.
			Applications
•			Particularly suitable for heavy-duty industrial processes and wash-down sump pump applications.
			https://www.ksb.com/en-qb/lc/L11A
			The control of the co

MHD

OF	Q [m³/h] H [m] p [bar] T [°C]	< 76	Description Pump designed to provide high flow / medium head with high efficiency in severe medium-head dredge applications. Applications Ideal for hopper dredges or as the main pump on cutter dredges.
			https://www.ksb.com/en-gb/lc/M35A

LHD

Q [m³/h] H [m] p [bar] T [°C]	< 53	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 [n H [n p [b T [°c	n] ≤ 55 ar] ≤ 10	annii antiana
		https://www.ksb.com/en-gb/lc/M42A

53

ZW



Q [m³/h]H [m] p [bar] ≤ 10 T [°C] > +5 - < +120

≤ 573 Description

 \leq 60 Double-suction vertical cantilever pump with no submerged bearings. Exclusive top and bottom suction for high-concentration pumpability and maximum clearing of pump. Wetted pump-end wear parts (casing, impeller, hub plate / liner) made of high-chrome white cast iron for excellent wear characteristics. Ideal for transporting class 1 and class 2 slurries.

Applications

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

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

HVF



Q [m³/h] H [m] p [bar] T [°C]

≤ 7200 Description

< +120

 \leq 50 A high-efficiency pump that has been specially developed for handling air entrained slurries. The design features a patented impeller and a venting chamber that removes the air contained in the ≤ 11 fluid handled from the impeller eye, preventing blockage and reducing downtime. The wetted pump end (casing, impeller and suction plate / liner) is made of white cast iron with a high chromium content. This increases the service life of the components. Urethane is also available as a material. The maximum permissible working pressures are between 8 and 11.5 bar, depending on the pump size. Perfectly suited for transporting fluids containing hardly to slightly abrasive solids. Ideal for sludges, classes 1 to 2.

Applications

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

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

DWD



Q [m³/h]H [m] p [bar] T [°C]

≥ -20 - ≤ +120

< 45

< 24000 Description

 \leq 90 A high-efficiency, heavy-duty, double-wall pump designed specifically for dredge applications requiring large solids passage and low NPSHR. The internal components (replaceable wear resistant casing, side liners and curved-vane impeller) are made of high-chrome white iron. While the internal wear parts handle abrasive slurries, the outer casing acts as the high pressure containment component for safety. Designed primarily for use in ocean going vessels, the DWD dredge pump is a robust design, built to withstand the world's most aggressive dredge applications.

Applications

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

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

TDW



Q [m³/h] H [m] p [bar] T [°C]

≤ 10500 ≤ 21

≥ -20 - ≤ +120

Description

 \leq 105 High head, low suction head pump specifically engineered for operation in tailings pond dewatering applications. This pump offers a fully integrated expeller shaft seal for flush-free operation. The balanced, 4-vane, large free passage impeller helps to minimise vibration. A robust mechanic end ensures reliable operation in a wide range of operating conditions. The wet-end wear components including the high speed capable impeller are made of high chrome cast white iron for maximum wear life and long production cycles.

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.

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 H	z operation

Also available for 60 Hz

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.

Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, firefighting 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	
Q [m³/h]	
H [m]	
p [bar]	
T [°C]	
H _{geo} [m]	

≤ 10 Applications

≥ -30 - ≤ +90 Data for 50 Hz operation

25 - 100 Description

≤ 130 Horizontal self-priming volute casing pump, single-stage, with open multi-vane impeller, close-≤ 70 coupled; pump shaft and motor shaft rigidly connected; ATEX-compliant version available.

Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, firefighting 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



Q [m³/h]H [m] p [bar] T [°C]

≤ 16 ≥ -5 - ≤ +80 n [rpm] ≤ 1500 Data for 50 Hz operation

Also available for 60 Hz

Also available for 60 Hz

25 - 50 Description

≤ 21 Self-priming multistage liquid ring pump in close-coupled (EZ B) or long-coupled (EZ L) design, ≤ 160 with mechanical seal.

Applications

Boiler feed, sanitary hot water, hydrophore systems for fresh or seawater and fresh water preheating.

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

AU



DN Q [m³/h]H [m] p [bar] T [°C]

≤ 52 ≤ 10 ≥ -10 - ≤ +80 Data for 50 Hz operation Also available for 60 Hz

 \leq 600 Horizontal self-priming centrifugal pump, open or semi-open impeller, adjusted via wear plate, with mechanical seal, ATEX-compliant version available.

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 Q [m³/h] H [m] p [bar] T [°C]

 $\geq -10 - \leq +80$ Data for 50 Hz operation

Also available for 60 Hz

40 - 50 Description

≤ 53 Horizontal self-priming centrifugal pump in close-coupled design, open or semi-open impeller, adjusted via wear plate, with mechanical seal, driven by electric motors or internal combustion engines; ATEX-compliant version available.

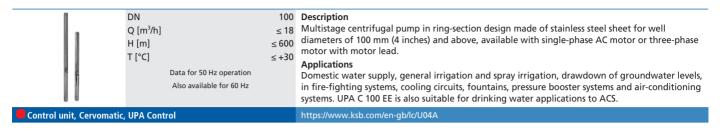
Applications

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

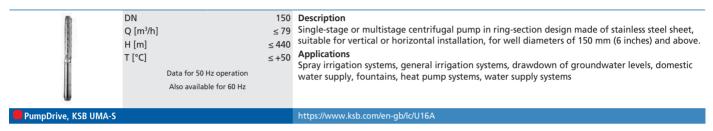
https://www.ksb.com/en-gb/lc/A94A

Submersible borehole pumps

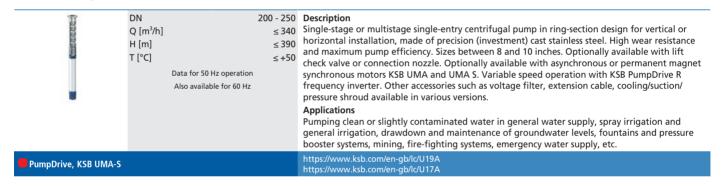
UPA C 100 EE



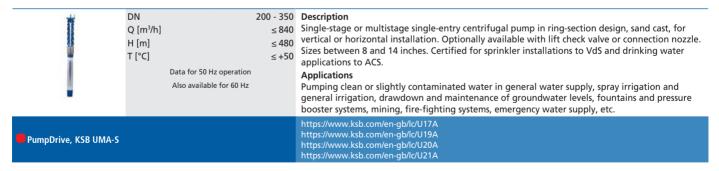
UPA C 150



UPA S 200, UPA S 250



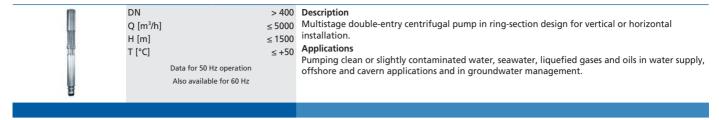
UPA 200 - UPA 350



UPA 400 - UPA 1100

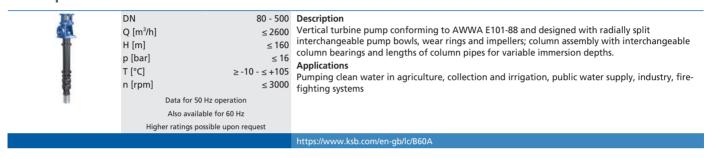
Q [m³/h] ≤ 5000 H [m] ≤ 300 T [°C] ≤ +50	Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation.
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UPA D



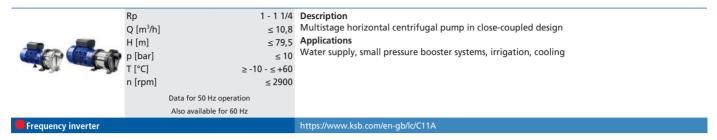
Vertical turbine pumps

B Pump



High-pressure pumps

Comeo



Movitec H(S)I

	Rp Q [m³/h] H [m] p [bar] T [°C] n [rpm]	< 27	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.
KSB SuPremE, PumpDrive	, PumpMe	ter	https://www.ksb.com/en-gb/lc/M06A

Movitec

	Rp DN Q [m³/h] H [m] p [bar] T [°C]	25 - 125 ≤ 160 ≤ 401 ≤ 40 ≥ -20 - ≤ +140	desired alone accorded Mith KCD CoDeserT and accorded to the construction of the const
		ata for 50 Hz operation Ilso available for 60 Hz	compliant version available. Applications Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.
KSB SuPremE, PumpDrive, PumpMeter			https://www.ksb.com/en-gb/lc/M12A

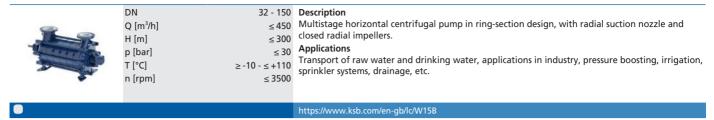
Movitec VCI

		≤ 22,5 < 249	
KSB SuPremE, PumpDrive	e		https://www.ksb.com/en-gb/lc/M94A

Multitec

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	≤ 1500 ≤ 1000 ≤ 100	speed system. ATEX-compliant version available. Applications Water supply, drinking water supply, industry, pressure boosting, irrigation, power stations.
KSB SuPremE, PumpDrive, PumpMeter			https://www.ksb.com/en-gb/lc/M07A

WKL



Axially split pumps

Omega

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	≤ 4400 ≤ 210 ≤ 25 $\geq 0 - \leq +140$ ≤ 2900 Data for 50 Hz operation	stations, extraction duties in desalination systems, power stations, fire-fighting systems,
		Also available for 60 Hz	
PumpDrive, PumpMeter, Frequency inverter		inverter	https://www.ksb.com/en-gb/lc/000A

RDLO

		≤ 10000 ≤ 290 ≤ 30 ≥ 0 - ≤ +140	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 i	nverter		https://www.ksb.com/en-gb/lc/R08A

RDLP

G G	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm] Data for 50 Hz operati	≤ 18000 ≤ 550 ≤ 64 $\geq 0 - \leq +80$ ≤ 1450	Description Axially split volute casing pump for horizontal installation, with one, two or three stages and double-entry radial impeller, mating flanges to DIN, ISO or ANSI. Applications Pumping water with a low solids content, e.g. in waterworks and long-distance water supply.
Frequency inverter			https://www.ksb.com/en-gb/lc/R09A

Hygienic pumps

Vitachrom



DN Q [m³/h] H [m] p [bar] T [°C] > -30 - < +110

> Data for 50 Hz operation Also available for 60 Hz

50 - 125 Description

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

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

KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast



DN 32 - 200 Q [m³/h] ≤ 540 H [m] p [bar] 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

Vitacast Bloc



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

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

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.

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 Q [m³/h] ≤ 45 H [m] p [bar] T [°C] ≥ -20 - ≤ +100 Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

40 - 80 Description

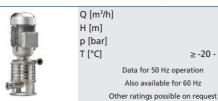
Service-friendly close-coupled side-channel pump (self-priming) with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system. All wetted components are made of 1.4404/1.4409 (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

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

KSB SuPremE, PumpDrive

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

Vitastage



≤ 12,5 Description

≤ 150 Multistage centrifugal pump in close-coupled design for vertical or horizontal installation. All

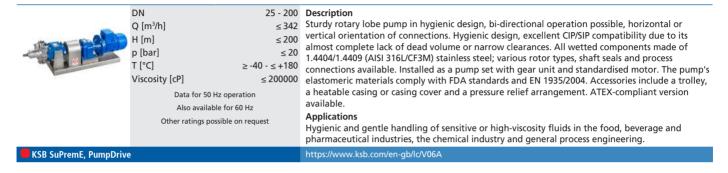
≤ 16 wetted components are made of 1.4401/1.4408 (AISI 316/CF8M) stainless steel. Versatile, robust and especially energy-efficient. CIP/SIP-compatible. All materials comply with FDA standards and EN 1935/2004. Trolley also available among other accessories.

Applications

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

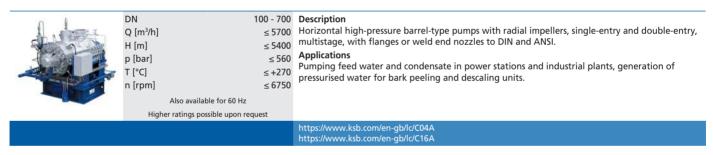
https://www.ksb.com/en-gb/lc/V08A

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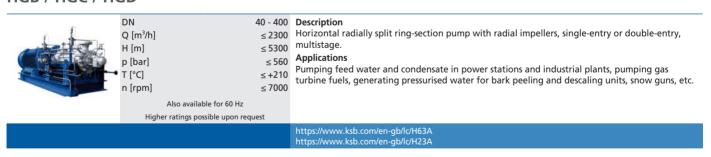


Pumps for power station conventional islands

CHTC / CHTD



HGB / HGC / HGD



HGI



DIN	00 - 130	Description
Q [m³/h]	≤ 600	Horizonta
H [m]		Application
p [bar]	≤ 200	Pumping
T [°C]	≤+180	
n [rpm]	≤ 3600	

80 - 150 Description

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

61

feed water and condensate in power stations and industrial plants.

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

HGM / HGM-S



DN Q [m³/h]≤ 1400 / ≤ 1000 axial and radial single-entry inlet. H [m] ≤ 140 / ≤ 100 p [bar] T [°C] $\leq +160$ n [rpm] ≤ 3600

Also available for 60 Hz

25 - 125 Description

 \leq 390 Horizontal radially split product-lubricated multistage ring-section pump with radial impellers,

Applications

Pumping feed water in power stations, boiler feed systems and condensate transport in industrial plants.

Also available for 60 Hz Higher ratings possible upon request

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

YNK



DN 125 - 600 Description Q [m³/h] H [m] p [bar] ≤ 100 T [°C] ≤ +250 ≤ 3300 n [rpm] Higher ratings possible upon request

≤ 5200 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 Q [m³/h]≤ 7000 H [m] ≤ 300 p [bar] ≤ 400 ≤ +425 T [°C] n [rpm]

> Data for 50 Hz operation Also available for 60 Hz

100 - 550 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. Productlubricated bearings, no need for oil supply systems. Design to TRD, ASME or IBR.

Applications

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

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

WKTB



DN Q [m³/h]H [m] p [bar] T [°C] n [rpm]

150 - 300 Description

≤ 40

≤+140

≤ 1500 Vertical can-type ring-section pump on base frame, multistage, first-stage impeller designed as a ≤ 370 double-entry suction impeller, radial impellers. Flanges to DIN or ANSI.

Applications

Pumping condensate in power stations and industrial plants.

1500 Data for 50 Hz operation

Also available for 60 Hz

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

SEZ



H [m] T [°C] n [rpm] ≤ 990 Data for 50 Hz operation Also available for 60 Hz

Higher ratings possible upon request

Q [m³/h]

≤ 65000 Description

 \leq 33 Vertical tubular casing pump with open mixed flow impeller, pump intake with inlet nozzle or ≤ +40 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 Description Q [m³/h]< 6500 H [m] p [bar] ≤ 10 T [°C] ≤ +60 n [rpm] ≤ 1500 Data for 50 Hz operation

> Also available for 60 Hz Higher ratings possible upon request

Vertical tubular casing pump with mixed flow impeller, single-stage, with maintenance-free ≤ 60 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 Q [m³/h]≤ 9000 H [m] ≤ 10 p [bar] T [°C] ≤ +60 n [rpm] ≤ 1500 Data for 50 Hz operation

> Also available for 60 Hz Higher ratings possible upon request

350 - 800 Description

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

≤ 10 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



350 - 1200 Description Q [m³/h]H [m] ≤ 10 p [bar] T [°C] ≤+105 ≤ 1480 n [rpm] Data for 50 Hz operation

Also available for 60 Hz Higher ratings possible upon request

≤ 21600 Long-coupled volute casing pump, single-stage, in back pull-out design.

≤ 50 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

n [rpm]

RER



DN ≤800 Description \leq 40000 Vertical single-stage reactor coolant pump with forged circular casing plated on the inside, with Q [m³/h] H [m] ≤ 140 p [bar] T [°C] < +350

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

diffuser, either with integrated pump thrust bearing or shaft supported by motor bearing. ≤ 175 Applications Reactor coolant recirculation in nuclear power stations.

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

RSR



DN Q [m³/h] ≤ 24000 H [m] ≤ 215 p [bar] ≤ 175 ≤ +350 T [°C] ≤ 1800 n [rpm] Available for 50 Hz and 60 Hz

Higher ratings possible upon request

≤ 750 Description

≤ 1800

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

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Applications

Reactor coolant recirculation in nuclear power stations.

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

RUV



DN Q [m³/h] < 22000 H [m] p [bar] ≤ 155 T [°C] ≤ +350 n [rpm] ≤ 1800 Available for 50 Hz and 60 Hz

Higher ratings possible upon request

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



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

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

≤ 600 Description

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

Applications

Reactor coolant recirculation in boiling water reactors.

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

RHD



DN Q [m³/h] H [m] ≤ 1000 ≤ 150 p [bar] T [°C] ≤+210 ≤ 6500 n [rpm] Available for 50 Hz and 60 Hz

Higher ratings possible upon request

125 - 500 Description

 \leq 6500 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.

LUVm



DN	40 - 600	Description
O [m³/h]	≤ 7000	Vertical pump with integrated motor, single-entry, single- to three-stage. Suitable for very high
H [m]	< 300	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.
p [bar]	< 320	bearings, no oil supply systems required. Design to ASME Section 3, KTA, etc.
	3 320	Applications As reactor water clean-up pump in boiling water reactors, reactor coolant pump in boiling water
T [°C]	≤ +430	As reactor water clean-up pump in boiling water reactors reactor coolant pump in boiling water

Data for 50 Hz operation a
Also available for 60 Hz

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 Description
Q [m³/h] ≤300 Horizontal multistage barrel pull-out pump.
H [m] ≤2100 Applications
p [bar] ≤220 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.

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

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

RVM



DN \$\leq 85\$
Q [m³/h] \$\leq 50\$
H [m] \$\leq 2000
p [bar] \$\leq 2000
T [°C] \$\leq +100
n [rpm] \$\leq 6000\$

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.

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

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

RHR



DN \leq 500 Description

Q [m³/h] \leq 6000 Horizontal circular casing pump with forged or cast pressure boundary and diffuser.

H [m] \leq 190 Applications

p [bar] \leq 63 Core flooding, emergency cooling and residual heat removal systems, ancillary systems, acid feed system and low-pressure injection system, component cooling water systems.

 \leq 3600 Available for 50 Hz and 60 Hz

https://www.ksb.com/en-ab/lc/R27/

RVR



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

≤ 500 Description

 \leq 6000 Vertical circular casing pump with forged or cast pressure boundary and diffuser.

≤ 190 Applications

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

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

RVT



DN Q [m³/h] ≤ 131 distributor casing. H [m] p [bar] ≤ 30 T [°C] ≤+160 ≤ 1485 n [rpm] Available for 50 Hz and 60 Hz

Higher ratings possible upon request

≤ 1100 Vertical multistage barrel pull-out pump with double-entry suction impeller and forged

Applications

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

Pumps for desalination by reverse osmosis

RPH-RO



DN		Description
Q [m ³ /h]		Horizontal radially split volute casing pump for dry installation, made of super-duplex stainless
H [m]	≤ 110	steel.
p [bar]	≤ 80	Applications
T [°C]	≤ +40	Booster pump for RO seawater desalination systems.
1	Data for 50 Hz operation	
	Also available for 60 Hz	

Multitec-RO



DN	50 - 150	Description
Q [m³/h]	≤ 850	Horizontal or vertical multistage centrifugal pump in ring-section design. Axial or radial suction
H [m]	≤ 1000	nozzle. Discharge nozzle can be turned in steps of 90°. Closed radial impellers. Made of duplex or
o [bar]	≤ 100	super duplex stainless steel.
Γ [°C]	≥ -10 - ≤ +45	Applications High-pressure pump for RO seawater desalination systems and geothermal systems (re-injection
n [rpm]	≤ 3500	of geothermal water into the aguifer).

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

Data for 50 Hz operation

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

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

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

Fire-fighting systems

FP Electro Diesel Set



N	32 - 30
[m³/h]	≤ 84
[m]	≤ 14
[bar]	≤ 1
[°C]	≥ +5 - ≤ +5

Data for 50 Hz operation Also available for 60 Hz

00 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.

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

FP Diesel Unit / FP Electro Unit



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

Data for 50 Hz operation Also available for 60 Hz

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 V [V]

 ≤ 1 Description

1~230 Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump

Applications

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

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

Controlmatic E.2



Number of pumps V [V]

≤ 1 Description

1~230 Automatic control unit for pressure-controlled starting, flow-controlled stopping and monitoring of a single pump

Applications

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

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

Cervomatic EDP.2



Number of pumps V [V]

≤ 1 Description

1~230 / 3~400 Automatic control unit for pressure-controlled starting and either pressure-controlled or flowcontrolled stopping and monitoring of a single pump.

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

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

LevelControl Basic 2



Number of pumps P [kW] V [V]

≤ 2 Description 1~230 / 3~400

voltages on request.

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

Applications Available for higher ratings and other mains

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.

UPA Control



Number of pumps P [kW] V [V]

≤ 1

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 1~230 / 3~400 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 Spring-loaded Description connections Mounting AmaControl 3 / 4: reliable operation. ≥ -30 - ≤ +70 Applications AmaControl L: In water and waste water engineering ≥ -20 - ≤ +60 Dimensions AmaControl 3 / 4: $H \times W \times D [mm]$ 127,2×45×113,6 AmaControl L: 127,2×22,5×113,6 V [V] AC 110-240 ± 10% V [V] AC/DC 24 ± 10%

terminals Protection module for water and waste water products as all-in-one device. Depending on the 35 mm standard variant, it can be used for motor temperature measurement, bearing temperature measurement, rail 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

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

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