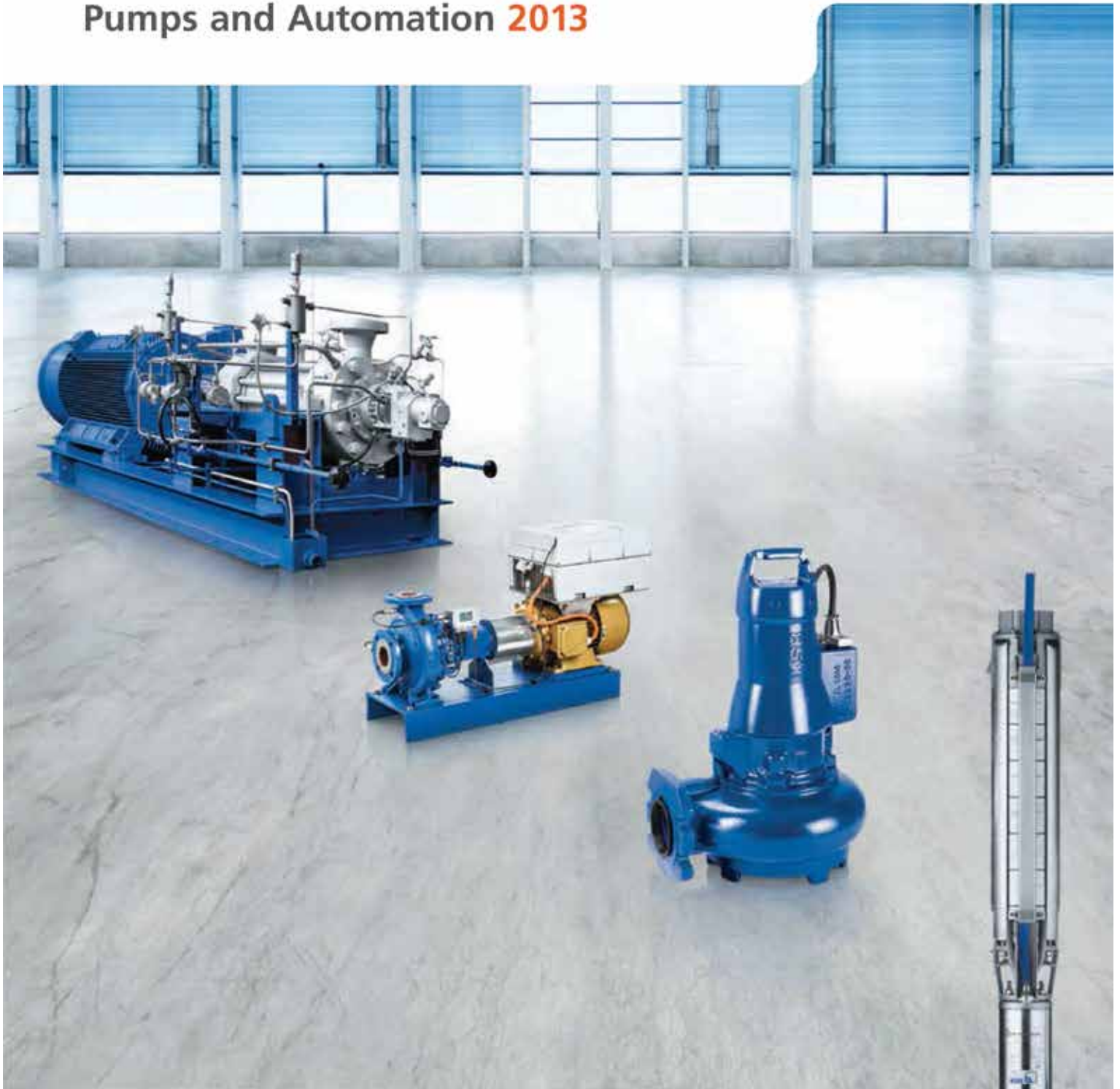


Pumps and Automation 2013



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Our tradition:

Competence since 1871.

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

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

- Over 140 years' experience
- Present in more than 100 countries
- More than 16,000 employees
- More than 160 service centres worldwide
- Approximately 2,600 service specialists

Type series index

for pumps and automation

Amacan K	43	HGB / HGC / HGD	53	Omega	51
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Ama-Drainer 80, 100	39	HT/BT/TT (Nikkiso-KSB)	31	RER	55
Amajet	44	HX (Nikkiso-KSB)	28	RHD	55
Amaline	44	HY (Nikkiso-KSB)	28	RHM	56
Amamix	44	Hya-Compact K	37	RHR	56
Ama-Porter F / S	39	Hya-Compact VP	37	Rio-Eco N	22
Ama-Porter CK Pump Station	41	Hya-Eco VP	37	Rio-Eco-Therm N	23
Amaprop	44	Hyamaster ISB	59	Rio-Eco Z N	22
Amarex KRT	42	Hyamaster SPS	60	Rio-Therm N	22
Amarex KRT dry-installed	42	Hyamat IK, IV, IVP	38	Riotherm	22
Amarex KRT wet/dry-installed	42	Hyamat K	37	Rotex	39
Amarex N	42	Hyamat V	37	RPH	32
Amarex N CK Pump Station	41	Hya-Rain / Hya-Rain N	34	RPHb	32
API series (Nikkoso-KSB)	32	Hya-Rain Eco	34	RPH-RO	57
		Hya-Solo E	36	RPH-V	32
Beveron	54	Hya-Solo D	36	RSR	55
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CINP/CINCN	33	Ixo	35	Secochem Ex	30
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Controlmatic E	58	KWP / KWP-Bloc	45	Sewatec / Sewabloc	45
Controlmatic E.2	58			SEZ / SEZT / PHZ / PNZ	54
CPKN	29	LCC-M	46	SNW / PNW	54
CTN	32	LCC-R	46	SPY	54
		LCV	46		
DN (Nikkiso-KSB)	31	LevelControl Basic 2	58	TBC	46
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Etachrom NC PumpDrive	26	Mega	47	Vitachrom	52
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Etaline PumpDrive	23	MegaCPK PumpDrive/PumpMeter	29	Vitalobe	52
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Etaline Z PumpDrive	24	mini-Compacta	40	VN (Nikkiso-KSB)	31
Etanorm / Etanorm-R	25	MK / MKY	39		
Etanorm PumpDrive	25	Movitec PumpDrive	50	WBC	45
Etanorm GPV / CPV	26	Movitec VME	35	WKTA / WKTB	54
Etanorm SYT / RSY	28	Movitec V / LHS / VS / VC	50	WKTR	34
Etaprime B / BN	48	Multi Eco	35		
Etaprime L	48	Multi Eco-Pro	35	YNK	53
Etaseco / Etaseco-I	30	Multi Eco-Top	35	YNKR	33
Etaseco RVP	30	Multitec	50		
Evamatic-Box	41	Multitec PumpDrive	50	ZW	48
		Multitec-RO	57		
Filtra N	36				
FGD	47				



Our spare parts and services: **Dependability at your call.**

We tailor our services to enable new ways of individually optimising our products. They underscore our far-reaching sense of customer responsibility. That commitment starts before any orders – for example with sound advice on financing options. And it goes far beyond product arrival. A dependable partnership with KSB lasts for years.

In addition to spare parts, we offer our customers a plethora of services around pumps, valves, and other rotating equipment – also for non-KSB products:

- Technical consultancy
- Services provided on-site and in our service centres
- Maintenance inspection management
- Reverse engineering / retrofit
- TPM® Total Pump Management
- SES System Efficiency Services

Ready where you are. KSB runs more than 160 service centres around the world. Some 2,600 highly trained KSB specialists are on call to install, commission and maintain your equipment. So you can plan for a future free of unwanted surprises. And we also provide on-site training sessions. They ensure that operators can use KSB products and systems efficiently and profitably, day in, day out.



Which is how we secure the long-term value of our costumers' facilities.



Our mission: **Certified quality assurance.**

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

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

Our five key goals:

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

In addition to quality, energy efficiency also plays an important role at KSB. Our products already fulfil the statutory minimum efficiency values of the ErP regulations for 2015, making a valuable contribution at the component level. You can potentially save even more energy by optimising your entire plant with the FluidFuture® energy efficiency concept.



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

Type / Application	Type series	Page	FluidFuture® + ErP	Automation	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
				A					
Circulator pumps/hot water service pumps, fixed speed	Rio-Therm N	22		■					■
	Riotherm	22		■					■
Circulator pumps, variable speed	Rio-Eco N	22	■	■	■				■
	Rio-Eco Z N	22		■					■
	Rio-Eco Therm N	23		■					■
In-line pumps with fixed/variable speed drive	Étaline	23	■	■	■	■			■
	Étaline Z	23	■	■	■	■			■
	Étaline PumpDrive	23	■	■	■	■			■
	Étaline Z PumpDrive	24	■	■	■	■			■
	Étaline-R	24	■	■	■	■			■
	ILN / ILNE / ILNS	24	■	■	■	■			■
Standardised/close-coupled pumps, fixed/variable speed	ILNC / ILNCE / ILNCS	24	■	■	■	■			■
	Etanorm / Etanorm-R	25	■	■	■	■	■		■
	Etanorm PumpDrive	25	■	■	■	■	■		■
	Etabloc	25	■	■	■	■	■		■
	Etabloc PumpDrive	25	■	■	■	■	■		■
	Etachrom BC	25	■	■	■	■	■		■
	Etachrom BC PumpDrive	26	■	■	■	■	■		■
	Etachrom NC	26	■	■	■	■	■		■
Hot water pumps	Etachrom NC PumpDrive	26	■	■	■	■	■		■
	Etanorm GPV / CPV	26			■	■	■		■
	HPK-L	27			■	■	■		■
	HPK	27			■	■	■		■
Hot water/thermal oil pumps	HPH	27			■	■	■		■
	Etanorm SYT / RSY	28			■	■	■		■
Thermal oil pumps with magnetic drive / canned motor	Etabloc SYT / Etaline SYT	28			■	■	■		■
	HX (Nikkiso-KSB)	28				■			
Standardised chemical pumps	HY (Nikkiso-KSB)	28				■			
	MegaCPK	29	■		■	■	■		
	MegaCPK PumpDrive / PumpMeter	29	■	■		■	■		
Seal-less pumps	CPKN	29			■	■	■		
	Magnochem	29			■	■	■		
	Magnochem-Bloc	30			■	■	■		
	Etaseco / Etaseco-I	30			■	■	■		
	Etaseco RVP	30			■	■	■		■
	Secochem Ex	30			■	■	■		
	Secochem Ex K	30			■	■	■		
	HN / BN / TN (Nikkiso-KSB)	31				■	■		
	HT / BT / TT (Nikkiso-KSB)	31				■	■		
	HK (Nikkiso-KSB)	31				■	■		
Process pumps	VN (Nikkiso-KSB)	31				■	■		
	DN (Nikkiso-KSB)	31				■	■		
	RPH	32			■	■	■		
	RPHb	32				■	■		
	RPH-V	32				■	■		
	CTN	32				■	■		
	API series (Nikkiso-KSB)	32				■	■		
	CHTR	33				■	■		
	YNKR	33				■	■		
	CINCP / CINCN	33			■	■	■		
Rainwater harvesting systems	INVCP / INVCN	33	■	■	■	■	■		
	RWCP / RWCN	33			■	■	■		■
	WKTR	34				■			
	Hya-Rain / Hya-Rain N	34			■	■	■		■
Domestic water supply systems with automatic control unit/swimming pools	Hya-Rain Eco	34			■	■	■		■
	Multi Eco	35			■	■	■		■
	Multi Eco-Pro	35			■	■	■		■
	Multi Eco-Top	35			■	■	■		■
	Movitec VME	35	■	■	■	■	■		■
	Ixo	35			■	■	■		■
Filtera N	36				■	■		■	

Type / Application	Type series	Page	FluidFuture® + EIP	Automation	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
				A					
Pressure booster systems	Hya-Solo E	36		■	■	■		■	
	Hya-Solo D	36		■	■	■		■	
	Hya-Solo DV	36		■	■	■		■	
	Hya-Compact VP	37		■	■	■		■	
	Hya-Compact K	37		■	■	■		■	
	Hya-Eco VP	37		■	■	■		■	
	Hyamat K	37		■	■	■		■	
	Hyamat V	37		■	■	■		■	
	Hyamat VP	38	■	■	■	■		■	
	Hyamat IK, IV, IVP	38		■	■	■		■	
Drainage pumps/waste water pumps	Ama-Drainer N 301, 302, 303, 358	38		■				■	
	Ama-Drainer 400/10 400/35 500/10/11	38		■		■		■	
	Ama-Drainer 80, 100	39		■				■	
	Ama-Porter F / S	39		■				■	
	Rotex	39				■		■	
	MK / MKY	39		■		■		■	
Lifting units / collection tanks	AmaDS3	40		■	■			■	
	Ama-Drainer-Box	40		■				■	
	Ama-Drainer-Box Mini	40		■				■	
	mini-Compacta	40		■				■	
	Compacta	40		■		■		■	
	Pump Station CK 800-Eu	41		■				■	
	Ama-Porter CK Pump Station	41		■				■	
	Amarex N CK Pump Station	41		■				■	
Evamatic-Box	41						■		
Submersible motor pumps	Amarex N	42		■	■	■		■	
	Amarex KRT	42	■	■	■	■		■	
	Amarex KRT dry-installed	42		■	■	■		■	
	Amarex KRT wet/dry-installed	42	■	■	■	■		■	
Submersible pumps in discharge tubes	Amacan K	43		■	■				
	Amacan P	43		■	■				
	Amacan S	43		■	■				
Mixers/agitators/tank cleaning units	Amamix	44			■	■			
	Amaprop	44			■	■			
	Amajet	44			■	■			
	Amaline	44			■	■			
Pumps for solids-laden fluids	Sewatec / Sewabloc	45		■	■	■			■
	KWP / KWP-Bloc	45		■	■	■	■		■
Slurry pumps	WBC	45							■
	LSA-S	45				■	■		■
	LCC-M	46				■	■		■
	LCC-R	46				■	■		■
	TBC	46							■
	LCV	46							■
	FGD	47				■	■		■
	Mega	47							■
	HHD	47							■
	MHD	47							■
	LHD	47							■
	MDX	48				■			■
	ZW	48							■
Self-priming pumps	Etaprime L	48			■	■			
	Etaprime B / BN	48			■	■			
Submersible borehole pumps	S 100D / UPA 100C	49	■	■	■	■		■	
	UPA 150C	49	■	■	■	■			
	UPA 200, 200B, 250C	49		■	■	■			
	UPA 300, 350	49		■	■	■			
	UPZ, BSX-BSF	49		■	■	■			
High-pressure pumps, fixed/variable speed	Movitec V / LHS / VS / VC	50	■	■	■	■	■	■	
	Movitec PumpDrive	50	■	■	■	■	■	■	
	Multitec	50	■	■	■	■	■	■	
	Multitec PumpDrive	50	■	■	■	■	■	■	

Type / Application	Type series	Page	FluidFuture® + ErP	Automation	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
			■	A					
Axially split pumps	Omega	51	■	■	■	■	■	■	
	RDLO	51		■	■	■	■	■	
	RDLF	51			■				
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom	52		■		■			
	Vitacast / Vitacast E	52		■		■			
	Vitaprime	52		■		■			
	Vitastage	52		■		■			
	Vitalobe	52		■		■			
Pumps for power station conventional islands	CHTA / CHTC / CHTD	53				■	■		
	HGB / HGC / HGD	53				■	■		
	HGM	53		■					
	YNK	53				■	■		
	LUV / LUVA	53				■	■		
	WKTA / WKTB	54				■	■		
	SEZ / SEZT / PHZ / PNZ	54			■	■	■		
	SNW / PNW	54			■	■	■		
	Beveron	54			■	■	■		
	SPY	54			■	■	■		
Pumps for nuclear power plants	RER	55					■		
	RSR	55					■		
	RUV	55					■		
	PSR	55					■		
	RHD	55					■		
	LUV Nuclear	56					■		
	RHM	56					■		
	RVM	56					■		
	RHR	56					■		
	RVR	56					■		
Pumps and pressure exchangers for seawater desalination by reverse osmosis	SalTec System	57		■	■				
	SalTec DT	57		■	■				
	RPH-RO	57			■				
	HGM-RO	57			■				
	Multitec-RO	57		■	■	■			

Automation			FluidFuture®	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
		Page						
Control units	Controlmatic E	58		■			■	
	Controlmatic E.2	58		■			■	
	Cervomatic EDP.2	58		■			■	
	LevelControl Basic 2	58		■	■		■	
	UPA Control	58		■			■	
	hyatronic N	59		■	■		■	
Speed control	PumpDrive	59	■	■	■		■	
	hyatronic spc	59		■	■		■	
	Hyamaster ISB	59		■	■		■	
	Hyamaster SPS	60	■	■	■		■	
Monitoring and diagnostic systems	PumpMeter	60	■	■	■		■	
	Amacontrol	60		■	■			
Control system	BOA-Systronic	61	■				■	

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