Pumps ▪ Valves ▪ Systems

Pumps and Automation 2011



KSB

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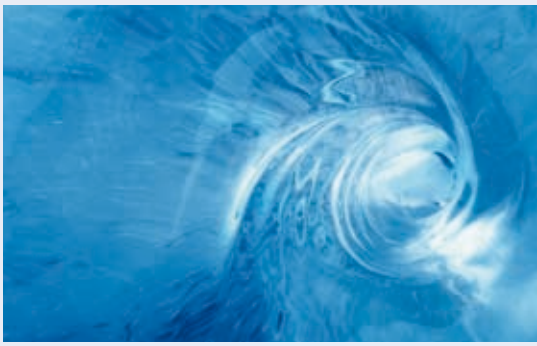

Our high standard: Creating intelligent solutions

We have supplied generations of customers worldwide with pumps, valves, automation products and services. A company with that kind of experience knows that success never stands still. It flows. And the process that makes that possible is a running partnership between developer and user, between production and practice.

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

- Over 130 years' experience
- Present in more than 100 countries
- More than 14,200 employees
- More than 100 service centres worldwide
- Approximately 1,900 service specialists

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for pumps and automation

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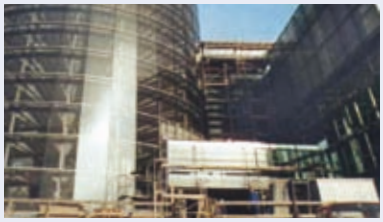
Our services:
Dependability at your call

We tailor our services to enable new ways of individually optimizing 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. Our services to customers include:

- Remote diagnosis
- Revamping
- TPM® (Total Pump Management)
- System engineering
- Advice on life cycle costs
- Financing options
- Teleservice
- Savings potential analysis

Ready where you are. KSB runs more than 100 service centres around the world. Some 1,900 highly trained KSB specialists are on call to inspect and maintain your equipment. So you can plan for a future free of unwanted surprises. And we also provide individual 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 customers' facilities.







Our vision:
Moving more, together

Yesterday: Movement with a mission.
When KSB started business in 1871, our pumps got things moving almost overnight. From the word go, the company was an enthusiastic pioneer. The motor of that dynamism was the sense of contributing to new movement in modern industry.

That is all history now. But KSB still stays true to its tradition, and continues to pioneer remarkable technical skills.

Today: Impetus from innovations.
KSB has spent its long history providing technical innovations that help customers and partners work more successfully than ever.

We gear everything we do to the real demands of everyday operations. Products, systems, life cycle costs and our steadily growing range of services all put customers and their processes first. This relies on our special concentration of activities – from development to sales and marketing.

Tomorrow: Perspectives for partnerships.
Lively dialogue with customers has been a KSB speciality for over 130 years. Mutual respect remains its hallmark.

Our aim is to strengthen this working partnership still further. The benefits are mutual, too: we profit from practical experience that complements our years of development know-how. And so our customers profit from innovative products, systems and services that match their demands with precision and performance.

Partnership is a value whose products keep their value. So moving more together makes doubly good sense. We look forward to teaming up.

Type / Application	Type series	Page	A	Automation	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Circulator pumps/hot water service pumps, fixed speed	Rio C / Rio / Rio Z / Riotherm C	16		■				■	
	Riotherm	16		■		■		■	
Circulator pumps, variable speed	Riotronic P	17	■					■	
	Riotronic Eco	17	■	■				■	
	Rio-Eco / Rio-Eco B / Rio-Eco Z	17	■	■				■	
In-line pumps with fixed/variable speed drive	Etaline / Etaline Z	18		■		■		■	
	Etaline PumpDrive / Etaline Z PumpDrive	18	■	■		■		■	
	Etaline-R	19		■		■		■	
Standardized/close-coupled pumps, fixed/variable speed	Etanorm / Etanorm-R	19		■	■	■	■	■	
	Etanorm PumpDrive	19	■		■	■	■	■	
	Etabloc	19		■	■	■	■	■	
	Etabloc PumpDrive	20	■		■	■	■	■	
	Etachrom BC	20		■	■	■	■	■	
	Etachrom BC PumpDrive	20	■		■	■	■	■	
	Etachrom NC	20		■	■	■	■	■	
	Etachrom NC PumpDrive	20	■		■	■	■	■	
	Etanorm GPV / CPV	21			■	■	■	■	
Hot water pumps	HPK-L / HPK / HPH	21		■		■	■	■	
Hot water/thermal oil pumps	Etanorm SYT / RSY	22		■		■		■	
	Etabloc SYT / Etaline SYT	22		■		■		■	
Thermal oil pumps with magnetic drive / canned motor	Etamagno SY / SYI / Bloc SY	22		■		■			
	HX (Nikkiso-KSB)	22				■			
	HY (Nikkiso-KSB)	23				■			
Standardized chemical pumps	CPKN	23		■		■	■		
	CPKN PumpDrive	23	■			■	■		
	CPK-D	23		■		■			
Seal-less pumps	Magnochem	24		■		■	■		
	Magnochem-Bloc	24		■		■			
	Etaseco / Etaseco-I	24		■	■	■	■	■	
	Etaseco RVP	24		■	■	■	■	■	
	Secochem Ex	24		■		■	■		
	Secochem Ex K	25		■		■	■		
	HN / BN / TN (Nikkiso-KSB)	25				■	■		
	HT / BT / TT (Nikkiso-KSB)	25				■	■		
	HK (Nikkiso-KSB) / VN (Nikkiso-KSB	25				■	■		
	DN (Nikkiso-KSB)	26				■			
Process pumps	RPH	26		■		■	■		
	CTN	26				■			
	API series (Nikkiso-KSB)	26				■			
Centrifugal pump for minimal volume flows	Microchem	27	■			■			
Rainwater harvesting systems	Hya-Rain / Hya-Rain N	27	■		■			■	
	Hya-Rain Eco	27	■		■			■	
Domestic water supply systems with automatic control unit/swimming pools	Multi Eco	28		■	■	■		■	
	Multi Eco-Pro	28	■		■				
	Multi Eco-Top	28	■		■	■		■	
	Movitec VME	28		■	■	■		■	
	Ixo	28		■	■	■		■	
	Filtra N	29						■	
Pressure booster systems	Hya-Solo E / D / DV	29	■		■	■		■	
	Hya-Eco K / Hya-Eco VP	30	■		■	■		■	
	Hyamat K / Hyamat V / Hyamat VP	30	■		■	■		■	
	Hyamat IK, IV, IVP	31	■			■		■	
Drainage pumps/waste water pumps	Ama-Drainer N 301, 302, 303, 358	31		■				■	
	Ama-Drainer 400/10 400/35 500/10/11	31		■		■		■	
	Ama-Drainer 80, 100	31		■				■	
	Ama-Porter F / S	32		■				■	
	Ama-Porter ICS	32	■					■	
	Rotex	32				■		■	
	MK / MKY	32		■		■		■	
Lifting units/collection tanks	Ama-Drainer-Box	33	■					■	
	mini-Compacta	33	■					■	
	Compacta	33	■			■		■	
	Pumping Station CK 800-Eu	33	■					■	
	Ama-Porter CK Pumping Station	34	■					■	
	Amarex N CK Pumping Station	34	■					■	
	Evamatic-Box	34						■	
	Evamatic-Box ICS	34	■					■	
Submersible motor pumps	Amarex N	35		■	■	■		■	
	Amarex KRT	35		■	■	■		■	
	Amarex KRT dry-installed	35		■	■	■		■	
	Amarex KRT wet/dry-installed	35		■	■	■		■	

■ Factory-automated ■ Automation possible

Type / Application	Type series	Page	A	Water Transport and Treatment	Industry	Energy Conversion	Building Services	Solids Transport
Submersible pumps in discharge tubes	Amacan K / Amacan P / Amacan S	36	■	■				
Mixers/agitators/tank cleaning units	Amamix,	36		■	■			
	Amaprop, Amajet, Amaline	37		■	■			
Pumps for solids-laden fluids	Sewatec / Sewabloc	37	■	■	■			
	KWP / KWP-Bloc	38	■	■	■	■		
Slurry pumps	WBC	38						■
	LSA-S	38			■	■		■
	LCC-M	38			■	■		■
	LCC-R	39			■	■		■
	TBC	39						■
	LSR / LCV	39						■
	FGD	39			■	■		■
	Mega	40						■
	HHD	40						■
	MHD	40						■
	LHD	40						■
	MDX	40			■			■
	ZW	41						■
Self-priming pumps	Etaprime L / Etaprime B / BN	41		■	■			
Submersible borehole pumps	S 100D / UPA 100C	42	■	■	■		■	
	UPA 150C, 200, 200B, 250C, 300, 350	42	■	■	■			
	UPZ, BSX-BSF	42	■	■	■			■
High-pressure pumps, fixed/variable speed	Movitec V / LHS / VS / VC	43	■	■	■	■	■	
	Movitec PumpDrive	43	■	■	■	■	■	
	Multitec	43	■	■	■	■	■	
	Multitec PumpDrive	43	■	■	■	■	■	
Axially split pumps	Omega	44	■	■	■	■	■	
	RDLO	44	■	■	■	■	■	
Hygienic pumps for the food, beverage and pharmaceutical industries	Vitachrom / Vitacast / Vitacast E	44	■		■			
	Vitaprime / Vitastage / Vitalobe	45	■		■			
Pumps for power station conventional islands	CHTA / CHTC / CHTD	45				■		
	CHTR	46				■		
	HGB / HGC / HGD	46			■	■		
	HGM	46			■	■		
	YNK / KRHA	46				■		
	RHD	46				■		
	LUV / LUVA	47				■		
	WKT / WKTA / WKTB	47				■		
	SEZ / SEZT / PHZ / PNZ	47		■		■		
	SNW / PNW	47		■		■		
	SPY	47		■	■	■		
Pumps for power station nuclear islands	RER / RSR / PSR	48				■		
	LUV-Nuclear / RHM	48				■		
	RVM / RHR / RVR / RUV	49				■		
Pumps and pressure exchangers for seawater desalination by reverse osmosis	SalTec System	50	■	■				
	SalTec DT	50	■	■				
	RPH-RO	50		■				
	HGM-RO	50		■				
	Multitec-RO	50	■	■				

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■ Factory-automated ■ Automation possible

Fluids

Pumps

| Fluids | Circulator pumps / hot water service pumps, fixed speed | | | | | Circulator pumps, variable speed | | | | | In-line pumps with fixed / variable speed drive | | | | Standardized / close-coupled pumps, fixed / variable speed | | | | | | | Hot water pumps | | | | Hot water / thermal oil pumps | | | Thermal oil pumps with magnetic drive / canned motor | | | Standardized chemical pumps | | | | | | |

	Seal-less pumps	Magnochem / Magnochem-Bloc	Etaseco / Etaseco-I	Etaseco RVP	Secochem Ex	Secochem Ex K	HN / BN / TN (Nikkiso-KSB)	HT / BT / TT (Nikkiso-KSB)	HK (Nikkiso-KSB)	VN (Nikkiso-KSB)	DN (Nikkiso-KSB)	Process pumps	RPH	CTN	API series (Nikkiso-KSB)	Centrifugal pump for minimal volume flows	Microchem	Rainwater harvesting systems	Hya-Rain / Hya-Rain N	Hya-Rain Eco	Domestic water supply systems with automatic control unit / swimming pools	Multi Eco / Multi Eco-Pro	Multi Eco-Top	Movitec VME	Ixo	Filtra N	Pressure booster systems	Hya-Solo E	Hya-Solo D / DV	Hya-Eco K / Hya-Eco VP	Hyamat K	Hyamat V	Hyamat VP	Hyamat IK, IV, IVP	Drainage pumps / waste water pumps	Ama-Drainer N 301, 302, 303, 358	Ama-Drainer 400/10 400/35 500/10/11	Ama-Drainer 80, 100	Ama-Porter F / S / ICS	Rotex	MK / MKY	
Activated sludge																																								
Aggressive liquids		■	■	■	■	■	■	■	■	■	■		■	■	■		■																						■
Brackish water																																								
Brine		■	■	■	■	■	■	■	■	■	■																												
Cleaning agents		■	■	■	■	■	■		■	■	■		■																										
Condensate					■										■																										■
Coolant				■																																				
Cooling water		■	■	■	■	■	■				■		■											■									■							
Corrosive liquids		■			■	■	■	■	■	■	■																													
Destillate		■	■	■	■	■	■		■	■	■						■																						
Digested sludge																																								
Dipping paints		■	■		■	■	■																																
Drinking water		■	■	■	■	■	■	■	■	■	■											■	■	■				■	■	■	■	■	■						
Explosive liquids		■			■	■	■	■	■	■	■		■		■																									
Feed water																																								
Fire-fighting water																								■																
Flammable liquids		■	■		■	■	■	■	■	■	■		■																										
Fuels		■			■	■	■		■	■	■		■		■																									
Gas-containing liquids																																								
Harmful liquids		■	■	■	■	■	■	■	■	■	■		■		■																								
Heating water				■																																				
Highly aggressive liquids		■	■		■	■	■	■	■	■	■		■		■		■																						
High-temperature hot water		■			■	■	■	■							■																									
Hot water		■		■	■	■	■	■																																
Hygienic liquids																																								
Industrial service water													■											■				■	■	■	■	■	■	■		■	■	■			■
Inorganic liquids		■			■	■	■	■	■	■	■		■		■		■																						
Liquefied gas							■		■	■					■																									
Lubricants													■																										
Oils		■	■	■	■	■	■	■	■	■	■		■		■																							■
Organic liquids		■	■	■	■	■	■	■	■	■	■		■		■		■																						
Polymerizing liquids							■	■					■		■																									
Raw sludge																																								
River, lake and ground water																																			■	■	■	■		■
Seawater																																								
Service water			■	■									■						■	■		■	■	■	■										■	■	■			■
Sewage with faeces																																					■			
Sewage without faeces		■	■	■	■	■	■	■	■	■	■																							■	■	■	■		
Slurries																																								
Slurries (ore, sand, gravel, ash)																																								
Solvents		■	■	■	■	■	■	■	■	■	■		■		■																								
Swimming-pool water																										■			■	■		■	■							
Thermal oil		■			■	■		■							■																									■
Toxic liquids		■	■	■	■	■	■	■	■	■	■		■		■																								
Valuable liquids		■	■	■	■	■	■	■	■	■	■		■				■																						
Volatile liquids		■	■	■	■	■	■	■	■	■	■		■		■		■																						
Wash water																																								
Waste water																																			■	■	■	■	■	■

Fluids

Pumps

Fluids	Lifting units / collecting tanks								Submersible motor pumps					Submersible pumps in discharge tubes			Mixers / agitators / tank cleaning units				Pumps for solids-laden fluids		Slurry pumps												Self-priming pumps		
	Ama-Drainer-Box	mini-Compacta	Compacta	Pumping Station CK 800-Eu	Ama-Porter CK Pumping Station	Amarex N CK Pumping Station	Evamatic-Box / Evamatic-Box ICS		Amarex N	Amarex KRT	Amarex KRT dry-installed	Amarex KRT wet/dry-installed		Amacan K	Amacan P	Amacan S	Amamix	Amaprop	Amajet	Amaline	Sewatec / Sewabloc	KWP / KWP-Bloc	WBC	LSA-S	LCC-M / LCC-R	TBC	LSR	LCV	FGD	Mega	HHD	MHD	LHD	MDX	ZW	Etaprime L	Etaprime B / BN
Activated sludge									■	■	■	■		■						■	■														
Aggressive liquids		■									■	■										■		■	■									■	■
Brackish water																																			
Brine										■		■										■													
Cleaning agents																																			
Condensate																																			
Coolant																																			
Cooling water									■	■		■																							
Corrosive liquids																						■			■		■		■						
Destillate																																			
Digested sludge									■	■	■	■									■														
Dipping paints																																			
Drinking water																																			
Explosive liquids																																			
Feed water																																			
Fire-fighting water																																			
Flammable liquids																																			
Fuels																																			
Gas-containing liquids									■	■	■	■																							
Harmful liquids																																			
Heating water																																			
Highly aggressive liquids																																			
High-temperature hot water																																			
Hot water																																			
Hygienic liquids																																			
Industrial service water									■	■	■	■		■	■	■			■			■													
Inorganic liquids																																			
Liquefied gas																																			
Lubricants																																			
Oils																																			
Organic liquids																																			
Polymerizing liquids																																			
Raw sludge									■	■	■	■									■														
River, lake and ground water									■	■		■			■	■					■	■													
Seawater									■	■		■			■	■						■													
Service water	■	■	■	■	■	■	■		■	■	■	■		■	■	■			■			■													
Sewage with faeces		■	■	■	■	■	■		■	■	■	■					■	■		■	■	■													
Sewage without faeces	■	■	■	■	■	■	■		■	■	■	■					■	■		■	■	■													
Slurries																						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Slurries (ore, sand, gravel, ash)																						■	■	■	■	■	■	■	■	■	■	■	■	■	■
Solvents																																			
Swimming-pool water																																			
Thermal oil																																			
Toxic liquids																																			
Valuable liquids																																			
Volatile liquids																																			
Wash water									■																										
Waste water	■	■	■	■	■	■	■		■	■	■	■		■	■	■					■	■			■			■		■				■	

Submersible borehole pumps
S 100D / UPA 100C
UPA 150C
UPA 200, 200B, 250C
UPA 300, 350
UPZ, BSX-BSF
High-pressure pumps, fixed / variable speed
Movitec V / LHS / VS / VC
Movitec PumpDrive
Multitec / Multitec PumpDrive
Axially split pumps
Omega
RDLO
Hygienic pumps for the food, beverage and pharmaceutical industries
Vitachrom / Vitacast / Vitacast E
Vitaprime / Vitastage / Vitalobe
Pumps for power station conventional islands
CHTA / CHTC / CHTD
CHTR
HGB / HGC / HGD
HGM
YNK / KRHA
RHD
LUV / LUVA
WKT / WKTA / WKTB
SEZ / SEZT / PHZ / PNZ
SNW / PNW
SPY
Pumps for power station nuclear islands
RER / RSR / PSR
LUV nuclear
RHM
RVM
RHR / RVR
RUV
Pumps for seawater desalination by reverse osmosis
RPH-RO
HGM-RO
Multitec-RO
Monitoring and diagnostic systems
PumpMeter
Activated sludge
Aggressive liquids
Brackish water
Brine
Cleaning agents
Condensate
Coolant
Cooling water
Corrosive liquids
Destillate
Digested sludge
Dipping paints
Drinking water
Explosive liquids
Feed water
Fire-fighting water
Flammable liquids
Fuels
Gas-containing liquids
Harmful liquids
Heating water
Highly aggressive liquids
High-temperature hot water
Hot water
Hygienic liquids
Industrial service water
Inorganic liquids
Liquefied gas
Lubricants
Oils
Organic liquids
Polymerizing liquids
Raw sludge
River, lake and ground water
Seawater
Service water
Sewage with faeces
Sewage without faeces
Slurries
Slurries (ore, sand, gravel, ash)
Solvents
Swimming-pool water
Thermal oil
Toxic liquids
Valuable liquids
Volatile liquids
Wash water
Waste water

Applications

Pumps

Applications	Rio C	Rio / Rio Z	Riotherm C	Riotherm	Riotronic P / Riotronic Eco	Rio-Eco	Rio-Eco B	Rio-Eco Z	Etaline / Etaline Z	Etaline PumpDrive / Etaline Z PumpDrive	Etaline-R	Etanorm / Etanorm-R / Etanorm PumpDrive	Etabloc / Etabloc PumpDrive	Etachrom BC / Etachrom BC PumpDrive	Etachrom NC / Etachrom NC PumpDrive	Etanorm GPV / CPV	HPK-L	HPH	HPK	Etanorm SYT / RSY	Etabloc SYT / Etaline SYT	Etamagno SY / SYI / Bloc SY	HX (Nikkiso-KSB)	HY (Nikkiso-KSB)	CPKN / CPKN PumpDrive	CPK-D
Air-conditioning systems	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							■				
Aquaculture																		■	■							
Boiler circulation																	■	■	■							
Boiler feed applications																	■	■	■							
Chemical industry												■										■	■	■	■	■	
Cleaning of stormwater tanks / storage sewers																										
Condensate transport												■	■	■	■		■	■	■				■	■		
Cooling circuits	■	■	■	■		■	■	■	■	■	■	■	■				■	■	■							
Descaling units																										
Dewatering												■	■	■	■	■										
Disposal																										
District heating									■	■	■	■					■		■			■	■	■		
Dock facilities																										
Domestic water supply																										
Drainage																										
Drainage of pits, shafts, etc.																										
Dredging																										
Fire-fighting systems												■	■												■	
Flue gas desulphurization																										
Food and beverages industry									■	■	■	■	■	■	■	■				■	■				■	
Fountains																										
Heat recovery systems	■	■			■	■		■	■	■	■															
Heavy oil and coal upgrading																									■	
Homogenization																										
Hot water heating systems	■	■			■	■		■	■	■	■	■	■	■	■		■		■							
Hydraulic solids transport																										
Industrial recirculation systems	■	■		■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■		
Irrigation												■	■	■	■	■										
Keeping in suspension																										
Lowering ground water levels																										
Maintaining ground water levels																										
Mining																										
Mixing																										
Nuclear power stations																		■	■				■	■		
Paint shops																■									■	■
Paper and cellulose industry																						■			■	
Petrochemical industry																							■	■	■	
Pharmaceutical industry																										
Pipelines and tank farms																							■	■		
Pressure boosting																										
Process engineering																	■	■	■			■	■	■	■	■
Rainwater harvesting																										
Recirculation																										
Refineries																							■	■	■	■
Seawater desalination / reverse osmosis												■	■												■	
Sewage treatment plants												■	■	■	■	■										
Shipbuilding																										
Sludge disposal																										
Sludge processing																										
Snow guns																										
Spray irrigation												■	■	■	■											
Sugar industry																						■			■	
Swimming pools				■								■	■	■	■											
Thickening																										
Washing plants																										
Water extraction												■														
Water supply			■	■			■		■	■	■	■	■	■	■	■										
Water treatment systems												■													■	

	Seal-less pumps												Process pumps				Centrifugal pump for minimal volume flows		Rainwater harvesting systems		Domestic water supply systems with automatic control unit / swimming pools						Pressure booster systems							Drainage pumps / waste water pumps					
	Magnochem / Magnochem-Bloc	Etaseco / Etaseco-I	Etaseco RVP	Secochem Ex	Secochem Ex K	HN / BN / TN (Nikkiso-KSB)	HT / BT / TT (Nikkiso-KSB)	HK (Nikkiso-KSB)	VN (Nikkiso-KSB)	DN (Nikkiso-KSB)	RPH	CTN	API series (Nikkiso-KSB)	Microchem	Hya-Rain / Hya-Rain N	Hya-Rain Eco	Multi Eco / Multi Eco-Pro	Multi Eco-Top	Movitec VME	Ixo	Filtra N	Hya-Solo E	Hya-Solo D / DV	Hya-Eco K / Hya-Eco VP	Hyamat K	Hyamat V	Hyamat VP	Hyamat IK, IV, IVP	Ama-Drainer N 301, 302, 303, 358	Ama-Drainer 400/10 400/35 500/10/11	Ama-Drainer 80, 100	Ama-Porter F / S / ICS	Rotex	MK / MKY	
Air-conditioning systems	■	■	■	■	■	■																																
Aquaculture																																						
Boiler circulation											■																											
Boiler feed applications	■	■	■	■	■	■	■	■	■	■	■	■	■																									
Chemical industry																																						
Cleaning of stormwater tanks / storage sewers	■	■	■	■	■	■	■	■			■																								■	■		
Condensate transport	■	■	■	■	■	■													■																			
Cooling circuits																																						
Descaling units																													■	■	■	■	■	■				
Dewatering																													■	■	■	■	■	■				
Disposal	■	■	■	■	■	■			■																													
District heating																																						
Dock facilities																	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■				
Domestic water supply																													■	■	■	■	■	■				
Drainage																													■	■	■	■	■					
Drainage of pits, shafts, etc.																																						
Dredging																			■																			
Fire-fighting systems																																						
Flue gas desulphurization		■	■									■		■																								
Food and beverages industry																														■								
Fountains											■																											
Heat recovery systems																																						
Heavy oil and coal upgrading	■	■	■	■	■																																	
Homogenization																																						
Hot water heating systems	■	■	■	■	■	■	■	■	■						■	■	■	■	■	■		■	■	■	■	■	■	■									
Hydraulic solids transport																																						
Industrial recirculation systems	■	■	■	■	■	■	■	■	■																													
Irrigation																																						
Keeping in suspension																																						
Lowering ground water levels																																						
Maintaining ground water levels																																						
Mining																																						
Mixing																																						
Nuclear power stations	■			■	■	■	■	■	■		■																											
Paint shops		■	■											■																								
Paper and cellulose industry											■			■																								
Petrochemical industry	■	■		■	■	■	■	■	■	■	■	■	■																								
Pharmaceutical industry																																						
Pipelines and tank farms	■			■	■	■	■	■	■	■	■	■	■																								
Pressure boosting																		■	■			■	■	■	■	■	■	■									
Process engineering	■	■	■	■	■	■	■	■	■	■	■		■	■																								
Rainwater harvesting															■	■	■	■		■		■	■	■														
Recirculation																																						
Refineries	■			■	■	■	■	■	■	■	■		■																								
Seawater desalination / reverse osmosis																																						
Sewage treatment plants																																						
Shipbuilding																																						
Sludge disposal																																						
Sludge processing																																						
Snow guns																																						
Spray irrigation															■	■	■	■	■	■		■	■	■	■	■	■	■									
Sugar industry	■	■	■		■																																	
Swimming pools																					■																	
Thickening																																						
Washing plants																	■	■	■	■		■	■	■	■	■	■	■									
Water extraction																					■								■	■	■	■						
Water supply		■	■		■												■	■	■	■	■	■	■	■	■	■	■	■									
Water treatment systems																	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■				

Applications

Applications	Lifting units / collecting tanks	Ama-Drainer-Box	mini-Compacta	Compacta	Pumping Station CK 800-Eu	Ama-Porter CK Pumping Station	Amarex N CK Pumping Station	Evamatic-Box / Evamatic-Box ICS	Submersible motor pumps	Amarex N	Amarex KRT	Amarex KRT dry-installed	Amarex KRT wet/dry-installed	Submersible pumps in discharge tubes	Amacan K	Amacan P	Amacan S	Mixers / agitators / tank cleaning units	Amamix	Amaprop	Amajet	Amaline	Pumps for solids-laden fluids	Sewatec / Sewabloc	KWP / KWP-Bloc	Slurry pumps	WBC	LSA-S	LCC-M / LCC-R	TBC	LSR	LCV	FGD	Mega	HHD	MHD	LHD	MDX	ZW	Self-priming pumps	Etaprime L	Etaprime B / BN
Air-conditioning systems																																									
Aquaculture															■	■																										
Boiler circulation																																									
Boiler feed applications																																									
Chemical industry										■	■	■	■												■																
Cleaning of stormwater tanks / storage sewers										■	■	■	■						■		■																				
Condensate transport																																									
Cooling circuits																■																									
Descaling units											■	■	■												■		■	■	■	■		■			■	■	■		■			
Dewatering		■								■	■	■	■		■	■	■								■																
Disposal		■	■	■	■	■	■	■		■	■	■	■												■															
District heating																																									
Dock facilities																																									
Domestic water supply																																									
Drainage										■	■	■	■												■																
Drainage of pits, shafts, etc.											■	■	■																												
Dredging																											■	■	■	■					■	■	■	■				
Fire-fighting systems																																										
Flue gas desulphurization											■		■												■		■															
Food and beverages industry										■	■		■												■															■	■	
Fountains																																									
Heat recovery systems																																									
Heavy oil and coal upgrading																									■																
Homogenization																			■																						
Hot water heating systems																																									
Hydraulic solids transport																									■		■	■	■	■	■	■	■	■	■	■	■	■			
Industrial recirculation systems																				■					■																
Irrigation										■	■	■	■		■	■	■								■																
Keeping in suspension																				■																					
Lowering ground water levels										■	■	■	■																												
Maintaining ground water levels										■	■	■	■																												
Mining																									■		■	■	■	■	■	■	■	■	■	■	■	■			
Mixing																			■																						
Nuclear power stations																																									
Paint shops																									■																
Paper and cellulose industry										■	■	■	■												■																
Petrochemical industry																																									
Pharmaceutical industry																																									
Pipelines and tank farms																																									
Pressure boosting																																									
Process engineering																									■																
Rainwater harvesting																■																									
Recirculation																						■																			
Refineries																																									
Seawater desalination / reverse osmosis											■		■			■	■								■																
Sewage treatment plants										■	■	■	■		■	■			■	■		■		■	■														■	■	
Shipbuilding																																									
Sludge disposal																								■			■	■	■	■	■	■	■	■	■	■	■	■			
Sludge processing										■	■	■	■											■			■	■	■	■		■	■	■	■	■	■	■			
Snow guns																						■																			
Spray irrigation																																									
Sugar industry																									■			■	■			■				■		■			
Swimming pools																																									
Thickening																			■																						
Washing plants										■	■	■	■																												
Water extraction										■	■	■	■			■	■																								
Water supply										■	■	■	■		■	■	■																								
Water treatment systems										■	■	■	■		■	■	■								■																

	Submersible borehole pumps						High-pressure pumps, fixed / variable speed				Axially split pumps		Hygienic pumps for the food, beverage and pharmaceutical industries			Pumps for power station conventional islands									Pumps for power station nuclear islands						Pumps for seawater desalination by reverse osmosis			
	S 100D / UPA 100C	UPA 150C	UPA 200, 200B, 250C	UPA 300, 350	UPZ, BSX-BSF	Movitec V / LHS / VS / VC	Movitec PumpDrive	Multitec / Multitec PumpDrive	Omega	RDLO	Vitachrom / Vitacast / Vitacast E	Vitaprime / Vitastage / Vitalobe	CHTA / CHTC / CHTD	CHTR	HGB / HGC / HGD	HGM	YNK / KRHA	RHD	LUV / LUVA	WKT / WKTA / WKTB	SEZ / SEZT / PHZ / PNZ	SNW / PNW	SPY	RER / RSR / PSR	LUV nuclear	RHM	RVM	RHR / RVR	RUV	RPH-RO	HGM-RO	Multitec-RO	
Air-conditioning systems	■					■		■	■	■													■										
Aquaculture																																	
Boiler circulation						■	■	■					■	■	■	■	■	■	■														
Boiler feed applications						■	■	■	■	■	■	■											■										
Chemical industry																																	
Cleaning of stormwater tanks / storage sewers																																	
Condensate transport								■					■		■	■				■			■										
Cooling circuits	■							■	■	■											■	■	■			■	■	■					
Descaling units															■																		
Dewatering									■	■												■	■										
Disposal																																	
District heating								■	■	■																							
Dock facilities									■	■												■											
Domestic water supply	■	■																															
Drainage																						■											
Drainage of pits, shafts, etc.																																	
Dredging																																	
Fire-fighting systems	■	■	■	■		■	■	■	■	■			■																				
Flue gas desulphurization																																	
Food and beverages industry	■	■				■	■				■	■																					
Fountains	■	■	■																														
Heat recovery systems																																	
Heavy oil and coal upgrading																																	
Homogenization																																	
Hot water heating systems								■																									
Hydraulic solids transport						■	■	■																									
Industrial recirculation systems																																	
Irrigation	■	■	■	■	■	■	■	■	■	■											■	■	■										
Keeping in suspension																																	
Lowering ground water levels	■	■	■	■	■																												
Maintaining ground water levels		■	■	■	■																												
Mining	■	■	■	■	■																												
Mixing																																	
Nuclear power stations													■		■		■	■	■	■	■		■	■	■	■	■	■	■				
Paint shops	■	■																															
Paper and cellulose industry						■	■																										
Petrochemical industry								■	■	■				■						■													
Pharmaceutical industry											■	■																					
Pipelines and tank farms														■																			
Pressure boosting	■	■				■	■	■																									
Process engineering														■																			
Rainwater harvesting	■																																
Recirculation																																	
Refineries														■						■													
Seawater desalination / reverse osmosis			■	■	■			■	■	■											■									■	■	■	
Sewage treatment plants																																	
Shipbuilding								■	■	■																						■	
Sludge disposal																																	
Sludge processing																																	
Snow guns			■	■	■			■							■	■																	
Spray irrigation	■	■	■	■		■	■	■																									
Sugar industry	■	■	■																														
Swimming pools																																	
Thickening																																	
Washing plants						■	■	■																									
Water extraction	■	■	■	■	■			■	■	■											■	■	■										
Water supply	■	■	■	■	■	■	■	■	■	■											■	■	■										
Water treatment systems	■	■	■	■		■	■	■	■	■																							

Circulator pumps / hot water service pumps, fixed speed

Rio C

Circulator pump with manual speed control



Rp	1-1¼
Q [m³/h]	max. 4
H [m]	max. 5.8
p [bar]	max. 10
T [°C]	-10 to +110

Data for 50 Hz operation

Design: Maintenance-free, glandless wet rotor pump, screw-ended, with three speed levels.

Applications: Industrial recirculation systems, air-conditioning systems, cooling circuits, heat recovery systems and hot water heating systems.



Switchgears

Reference no. 1120.5-10 — **also available in 60 Hz**

Rio

Circulator pump with manual speed control



Rp / DN	1-1¼ / 40 - 100
Q [m³/h]	max. 77
H [m]	max. 19
p [bar]	max. 10
T [°C]	-20 to +130

Data for 50 Hz operation

Design: Maintenance-free, glandless wet rotor pump, flanged or screw-ended, with three speed levels.

Applications: Industrial recirculation systems, air-conditioning systems, cooling circuits, heat recovery systems and hot water heating systems.



Switchgears

Reference no. 1115.51-10 — **also available in 60 Hz**

Rio Z

Circulator pump with manual speed control



Rp / DN	1-1¼ / 32 - 80
Q [m³/h]	max. 130
H [m]	max. 18
p [bar]	max. 10
T [°C]	-20 to +130

Data for 50 Hz operation

Design: Maintenance-free, glandless wet rotor pump, flanged or screw-ended, with three speed levels; in twin pump design (Rio Z) for standby operation with integrated swing check valve or, on option, peak load operation (parallel operation).

Applications: Industrial recirculation systems, air-conditioning systems, cooling circuits, heat recovery systems and hot water heating systems.



Switchgears

Reference no. 1115.51-10 — **also available in 60 Hz**

Riotherm C

Hot water service pump



Rp / DN	½-1¼ / 40 - 50
Q [m³/h]	max. 28
H [m]	max. 7.5
p [bar]	max. 10
T [°C]	-10 to +110

Data for 50 Hz operation

Design: Maintenance-free, glandless wet rotor pump, flanged or screw-ended, with three speed levels.

Applications: Air-conditioning systems, cooling circuits and water supply.

Switchgears

Reference no. 1109.5-10 — **also suitable for 60 Hz operation**

Riotherm

Hot water service pump



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

Data for 50 Hz operation

Design: Screw-ended dry rotor pump with mechanical seal and fixed speed.

Applications: Hot water supply systems, swimming pools, cooling circuits and industrial plants.

Switchgears

Reference no. 1118.5-10 — **also available in 60 Hz**

Automation possible

Circulator pumps, variable speed

Riotronic P

High-efficiency circulator pump with continuously variable differential pressure control



Rp	1-1¼
Q [m³/h]	max. 4.2
H [m]	max. 6
p [bar]	max. 10
T [°C]	-2 to +110
n [min⁻¹]	max. 4230

Design: Maintenance-free wet rotor pump with integrated frequency inverter for continuously variable differential pressure control.

Applications: Industrial recirculation systems, air-conditioning systems, heat recovery systems and hot water heating systems.



Reference no. 1112.52-10 — **also suitable for 60 Hz operation**

Riotronic Eco

High-efficiency circulator pump with continuously variable differential pressure control



Rp	1-1¼
Q [m³/h]	max. 2.5
H [m]	max. 5
p [bar]	max. 10
T [°C]	+15 to +110
n [min⁻¹]	max. 3500

Design: Maintenance-free wet rotor pump with integrated frequency inverter for continuously variable differential pressure control.

Applications: Industrial recirculation systems, air-conditioning systems, heat recovery systems and hot water heating systems.



BOA-Systronic

Reference no. 1112.51-10

Rio-Eco

High-efficiency circulator pump with continuously variable differential pressure control



Rp / DN	1-1¼ / 32 - 100
Q [m³/h]	max. 62
H [m]	max. 13
p [bar]	max. 10
T [°C]	-10 to +110
n [min⁻¹]	max. 4800

Design: Maintenance-free wet rotor pump with integrated frequency inverter for continuously variable differential pressure control and IR interface for remote control.

Applications: Industrial recirculation systems, air-conditioning systems, cooling circuits, heat recovery systems and hot water heating systems.



BOA-Systronic

Reference no. 1137.5-10 — **also suitable for 60 Hz operation**

Rio-Eco B

High-efficiency circulator pump with continuously variable differential pressure control



Rp / DN	1-1¼ / 40 - 65
Q [m³/h]	max. 38
H [m]	max. 10
p [bar]	max. 10
T [°C]	-10 to +80
n [min⁻¹]	max. 4800

Design: Maintenance-free wet rotor pump with integrated frequency inverter for continuously variable differential pressure control and IR interface for remote control.

Applications: Air-conditioning systems, cooling circuits and water supply



BOA-Systronic

Reference no. 1137.5-10 — **also suitable for 60 Hz operation**

Rio-Eco Z

High-efficiency circulator pump with continuously variable differential pressure control



DN	32 - 80
Q [m³/h]	max. 108
H [m]	max. 13
p [bar]	max. 10
T [°C]	-10 to +110
n [min⁻¹]	max. 4800

Design: Maintenance-free wet rotor pump in twin pump design, with integrated frequency inverter for continuously variable differential pressure control and IR interface for remote control. Optional pump assignment to main or stand-by duty, with automatic changeover in the event of a fault, timer-controlled pump change-over or parallel operation; peak load pump started or stopped as required for optimum efficiency.

Applications: Industrial recirculation systems, air-conditioning systems, cooling circuits, heat recovery systems and hot water heating systems.



BOA-Systronic

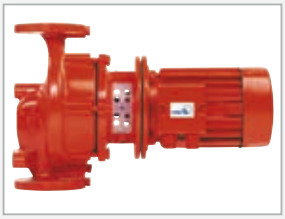
Reference no. 1137.51-10 — **also suitable for 60 Hz operation**

Factory-automated Automation possible

In-line pumps with fixed / variable speed drive

Etaline

In-line pump



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

Data for 50 Hz operation

Design: Close-coupled, in-line circulator pump with volute casing and standardized motor.

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

PumpMeter · Hyamaster · LevelControl · Switchgears

Reference no. 1146.51-10 — also available in 60 Hz

Etaline Z

In-line twin pump



DN	32 - 200
Q [m³/h]	max. 1120
H [m]	max. 77
p [bar]	max. 16
T [°C]	-30 to +140

Data for 50 Hz operation

Design: Close-coupled, in-line twin circulator pump, pump shaft and motor shaft are rigidly coupled.

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

PumpMeter · Hyamaster · LevelControl · Switchgears

Reference no. 1148.5-10 — also available in 60 Hz

Etaline PumpDrive

In-line pump with motor-mounted variable speed system



DN	32 - 200
Q [m³/h]	max. 788
H [m]	max. 100
p [bar]	max. 16
T [°C]	-10 to +110
n [min⁻¹]	max. 4200

Design: Close-coupled in-line circulator pump with motor-mounted variable speed system; pump shaft and motor shaft are rigidly coupled.

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

PumpMeter · BOA-Systronic

Reference no. 1149.52-10 — also suitable for 60 Hz operation

Etaline Z PumpDrive

In-line pump with motor-mounted variable speed system



DN	32 - 200
Q [m³/h]	max. 990
H [m]	max. 76
p [bar]	max. 16
T [°C]	-10 to +110
n [[min⁻¹]	max. 4200

Design: Close-coupled in-line circulator pump, in twin pump design with motor-mounted variable speed system; pump shaft and motor shaft are rigidly coupled. Double pump control modules (accessories) enable redundant operation of Etaline Z without a higher-level controller.

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

PumpMeter · BOA-Systronic

Reference no. 1154.51-10 — also suitable for 60 Hz operation

Factory-automated Automation possible

In-line pumps with fixed / variable speed drive

Etaline-R

In-line pump



DN 150 - 350
Q [m³/h] max. 1900
H [m] max. 93
p [bar] max. 25
T [°C] -30 to +140
Data for 50 Hz operation

Design: Vertical close-coupled, in-line circulator pump with volute casing and standardized motor.

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

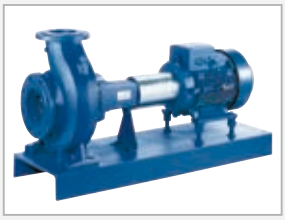
PumpMeter · PumpDrive · Hyamaster · Switchgears

Reference no. 1146.51-10 — also available in 60 Hz

Standardized / close-coupled pumps, fixed / variable speed

Etanorm / Etanorm-R

Standardized pump



DN 32 - 300
Q [m³/h] max. 1900
H [m] max. 102
p [bar] max. 16
T [°C] max. +140
Data for 50 Hz operation

Design: Horizontal, long-coupled, single-stage volute casing pump (pump size 125 - 500 with two stages) with ratings and main dimensions to EN 733, in back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings. ATEX-compliant version available.

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

PumpMeter • Hyamaster

Reference no. 1211.5-10 — also available in 60 Hz

Etanorm PumpDrive

Standardized pump with motor-mounted variable speed system



DN 32 - 150
Q [m³/h] max. 800
H [m] max. 102
p [bar] max. 16
T [°C] max. +140
n [min⁻¹] max. 4200

Design: Horizontal, long-coupled, single-stage volute casing pump in back pull-out design, with replaceable shaft sleeves / shaft protecting sleeves and casing wear rings and motor-mounted variable speed system.

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

PumpMeter

Reference no. 1211.5-10 + 4070.5-10

Etabloc

Close-coupled pump



DN 25 - 150
Q [m³/h] max. 660
H [m] max. 102
p [bar] max. 16
T [°C] max. +140
Data for 50 Hz operation

Design: Close-coupled, single-stage volute casing pump, ratings to EN 733, with replaceable shaft sleeve and casing wear rings. ATEX-compliant version available.

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

PumpMeter • Hyamaster

Reference no. 1167.5-10 — also available in 60 Hz

Factory-automated Automation possible

Etabloc PumpDrive

Close-coupled pump with motor-mounted variable speed system



DN	25 - 150
Q [m³/h]	max. 800
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +110
n [min⁻¹]	max. 4200

Design: Close-coupled, single-stage volute casing pump, ratings to EN 733, with replaceable shaft sleeve and casing wear rings and motor-mounted variable speed system.

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

PumpMeter

Reference no. 1167.5-10 + 4070.5-10

Etachrom BC

Close-coupled chrome steel pump



DN	25 - 80
Q [m³/h]	max. 260
H [m]	max. 108
p [bar]	max. 12
T [°C]	max. +110

Data for 50 Hz operation

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

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

PumpMeter · Hyamaster

Reference no. 1213.5-10 — **also available in 60 Hz**

Etachrom BC PumpDrive

Close-coupled chrome steel pump with motor-mounted variable speed system



DN	25 - 80
Q [m³/h]	max. 260
H [m]	max. 106
p [bar]	max. 12
T [°C]	max. +110
n [min⁻¹]	max. 3500

Design: Close-coupled, horizontal, single-stage annular casing pump, with ratings and main dimensions to EN 733, with replaceable casing wear rings and motor-mounted variable speed system.

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

PumpMeter

Reference no. 1213.5-10 + 4070.5-10

Etachrom NC

Standardized chrome steel pump



DN	25 - 80
Q [m³/h]	max. 260
H [m]	max. 106
p [bar]	max. 12
T [°C]	max. +110

Data for 50 Hz operation

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

Applications: Water supply, spray irrigation, irrigation and drainage systems, heating and air-conditioning systems, fire-fighting systems, handling of drinking water, service water, hot water, cooling water, swimming pool water, fire-fighting water, condensate, oil and cleaning agents.

PumpMeter · Hyamaster

Reference no. 1212.5-10 — **also available in 60 Hz**

Etachrom NC PumpDrive

Standardized chrome steel pump with motor-mounted variable speed system



DN	25 - 80
Q [m³/h]	max. 260
H [m]	max. 106
p [bar]	max. 12
T [°C]	max. +110
n [min⁻¹]	max. 3500

Design: Horizontal, single-stage annular casing pump, with ratings and main dimensions to EN 733, with replaceable casing wear rings and motor-mounted variable speed system.

Applications: Water supply, spray irrigation, irrigation and drainage systems, heating and air-conditioning systems, fire-fighting systems, handling of drinking water, service water, hot water, cooling water, swimming pool water, fire-fighting water, condensate, oil and cleaning agents.

PumpMeter

Reference no. 1212.5-10 + 4070.5-10

Factory-automated Automation possible

Standardized / close-coupled pumps, fixed / variable speed

Etanorm GPV/CPV

Vertical low-pressure pump



DN 32 - 150
Q [m³/h] max. 660
H [m] max. 102
p [bar] max. 16
T [°C] max. +95
Data for 50 Hz operation

Design: Single-stage volute casing pump, ratings to EN 733, for vertical installation in closed tanks under atmospheric pressure. Up to an immersion depth of 2000 mm.

Applications: Handling of neutral degreasing and phosphatizing solutions, wash water with degreasing agents, dipping paints, etc.

Reference no. 1214.5-10 — **also available in 60 Hz**

Hot water pumps

HPK-L

Hot water / thermal oil recirculation pump without external cooling



DN 25 - 250
Q [m³/h] max. 1330
H [m] max. 155
p [bar] max. 40
T [°C] max. +240 / +350
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design to EN 22 858 / 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.

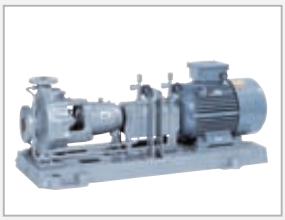
Applications: Handling of hot water and thermal oil in piping or tank systems, particularly in medium-sized and large hot water heating systems, forced circulation boilers, district heating systems, etc.

PumpDrive • Hyamaster

Reference no. 1136.5-10 — **also available in 60 Hz**

HPK

Hot water recirculation pump



DN 150 - 400
Q [m³/h] max. 4150
H [m] max. 185
p [bar] max. 40
T [°C] max. +400
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design to EN 22 858 / ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. TÜV certification to TRD on option. ATEX-compliant version available.

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

PumpDrive • Hyamaster

Reference no. 1121.51-10 — **also available in 60 Hz**

HPH

Hot water recirculation pump



DN 40 - 350
Q [m³/h] max. 2350
H [m] max. 225
p [bar] max. 110
T [°C] max. +320
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design, single-stage, single-entry, with centreline pump feet and radial impeller. TÜV certification to TRD on option. ATEX-compliant version available.

Applications: Handling of hot water in high-pressure hot water generation plants and for use as boiler feed and recirculation pump.

Hyamaster

Reference no. 1122.5-10 — **also available in 60 Hz**

Automation possible

Hot water / thermal oil pumps

Etanorm SYT / RSY

Hot water / thermal oil pump



DN	32 - 300
Q [m³/h]	max. 1900
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +350

Data for 50 Hz operation

Design: Horizontal, long-coupled volute casing pump in back pull-out design with ratings and main dimensions to EN 733, single-stage, with replaceable casing wear rings. ATEX-compliant version available.

Applications: Heat transfer systems (DIN 4754, VDI 3033) or hot water recirculation (DIN 4752).

Hyamaster

Reference no. 1220.5-10

also available in 60 Hz

Etabloc SYT / Etaline SYT

Hot water / thermal oil pump



DN	32 - 100
Q [m³/h]	max. 280
H [m]	max. 67
p [bar]	max. 16
T [°C]	max. +350

Data for 50 Hz operation

Design: Horizontal, single-stage volute casing pump in back pull-out design with ratings and main dimensions to EN 733, or in in-line design, with replaceable casing wear rings.

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

Hyamaster

Reference no. 1170.5-10

also available in 60 Hz

Thermal oil pumps with magnetic drive / canned motor

Etamagno SY / SYI / Bloc SY

Thermal oil pump



DN	32 - 150
Q [m³/h]	max. 660
H [m]	max. 102
p [bar]	max. 16
T [°C]	max. +350

Data for 50 Hz operation

Design: Horizontal, seal-less, single-stage volute casing pump with magnetic drive, ratings and main dimensions to EN 733, with replaceable casing wear rings.

Applications: Handling of thermal oil in heat transfer systems to DIN 4754.

Hyamaster

Reference no. 1218.5-10

also available in 60 Hz

(Only available in Europe, Russia, Middle East and Africa)

HX (Nikkiso-KSB)

Thermal oil pump with explosion protection



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

Data for 50 Hz operation

Design: Horizontal, seal-less, single-stage pump with fully enclosed canned motor, uncooled. ATEX-compliant version available.

Applications: Handling of thermal oils and other hot fluids in heat transfer systems to DIN 4754.

also available in 60 Hz

Automation possible

Thermal oil pumps with magnetic drive / canned motor

(Only available in Europe, Russia, Middle East and Africa)

HY (Nikkiso-KSB)

Thermal oil pump with explosion protection



DN 32 - 80
Q [m³/h] max. 150
H [m] max. 100
p [bar] max. 40
T [°C] max. +250
Data for 50 Hz operation

Design: Horizontal, seal-less, single-stage pump with fully enclosed canned motor, uncooled, coolable or heatable. ATEX-compliant version available.

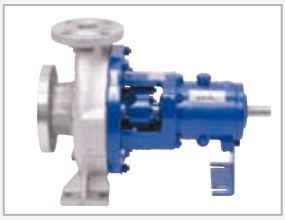
Applications: Handling of thermal oils and other hot fluids in heat transfer systems to DIN 4754.

also available in 60 Hz

Standardized chemical pumps

CPKN

Standardized chemical pump with reinforced bearing bracket



DN 25 - 400
Q [m³/h] max. 4150
H [m] max. 185
p [bar] max. 25
T [°C] max. +400
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design to EN 22 858 / ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. Also available as variant with "wet" shaft, conical seal chamber, heatable volute casing (CPKN-CHs) and/or semi-open impeller (CPKNO). ATEX-compliant version available.

Applications: Handling of aggressive liquids in the chemical and petrochemical industries as well as in refinery and fire-fighting systems, handling of brine.

Hyamaster

Reference no. 2730.5-10

also available in 60 Hz

CPKN PumpDrive

Standardized chemical pump with reinforced bearing bracket and motor-mounted variable speed system



DN 25 - 300
Q [m³/h] max. 1050
H [m] max. 220
p [bar] max. 25
T [°C] max. +110
n [min⁻¹] max. 3600

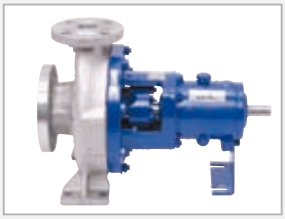
Design: Horizontal, radially split volute casing pump in back pull-out design to EN 22 858 / ISO 2858 / ISO 5199, single-stage, single-entry, with radial impeller. Also available as variant with "wet" shaft, conical seal chamber and/or semi-open impeller (CPKNO) with motor-mounted variable speed system.

Applications: Handling of aggressive liquids in the chemical and petrochemical industries as well as in refinery and fire-fighting systems, handling of brine.

Reference no. 2730.5-10 + 4070.5-10

CPK-D

Standardized chemical pump with hydrodynamic shaft seal



DN 32 - 250
Q [m³/h] max. 1100
H [m] max. 128
p [bar] max. 25
T [°C] max. +150
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design to ISO 2858, single-stage, single-entry, with radial impeller and zero-leakage hydrodynamic shaft seal.

Applications: Handling of liquids in the chemical and petrochemical industry, in refineries and paint shops.

Hyamaster

Reference no. 2726.1-10

also available in 60 Hz

Seal-less pumps

Magnochem

Standardized chemical pump with mag-drive



DN 25 - 250
Q [m³/h] max. 1250
H [m] max. 153
p [bar] max. 25
T [°C] max. +300
Data for 50 Hz operation

Design: Horizontal, seal-less, mag-drive volute casing pump in back pull-out design to ISO 2858 / EN 22 858 / ISO 5199, single-stage, single-entry, with radial impeller. ATEX-compliant version available.

Applications: Handling of aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical, petrochemical and general industry.

Hyamaster

Reference no. 2739.5-10 also available in 60 Hz

Magnochem - Bloc

Close-coupled chemical pump with mag-drive



DN 25 - 125
Q [m³/h] max. 240
H [m] max. 153
p [bar] max. 25
T [°C] max. +250
Data for 50 Hz operation

Design: Horizontal, seal-less, close-coupled, mag-drive volute casing pump to ISO 2858 / EN 22 858 / ISO 5199, single-stage, single-entry, with radial impeller. ATEX-compliant version available.

Applications: Handling of aggressive, toxic, explosive, valuable, flammable, mal odorous or harmful liquids in the chemical, petrochemical and general industry.

Hyamaster

Reference no. 2749.5-10 also available in 60 Hz

Etaseco / Etaseco-I

Water motor pumps with canned motor



DN 32 - 100
Q [m³/h] max. 250
H [m] max. 100
p [bar] max. 16
T [°C] max. +140
Data for 50 Hz operation

Design: Horizontal / 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, pump casing connecting dimensions to EN 733.

Applications: Handling of aggressive, flammable, toxic, volatile, or valuable liquids in the chemical and petrochemical industry, in environmental engineering and the general industry.

PumpMeter • Hyamaster • PumpDrive

Reference no. 2935.5-10 also available in 60 Hz

Etaseco RVP

Cooling circuit pump with canned motor



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

Design: Horizontal/vertical seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry.

Applications: Pump for handling toxic, volatile or valuable fluids in environmental and industrial engineering and for use as a coolant pump in cooling systems. Transport vehicles, environmental and industrial engineering; applications where low noise emission, smooth running or long service intervals are required.

PumpMeter • PumpDrive

Reference no. 2935.17-10 also available in 60 Hz

Secochem Ex

Standardized chemical pump with canned motor and explosion protection



DN 25 - 100
Q [m³/h] max. 300
H [m] max. 150
p [bar] max. 25
T [°C] max. +130
Data for 50 Hz operation

Design: Horizontal, seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry, casing connecting dimensions to EN 22 858 / ISO 2858.
Design to ATEX.

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry, in environmental engineering and the general industry.

Hyamaster

Reference no. 2939.5-10 also available in 60 Hz

Automation possible

Seal-less pumps

Secochem Ex K

Standardized chemical pump with canned motor and explosion protection



DN 25 - 100
Q [m³/h] max. 300
H [m] max. 150
p [bar] max. 25
T [°C] max. +400
Data for 50 Hz operation

Design: Horizontal, seal-less volute casing pump in back pull-out design with fully enclosed canned motor, low noise emission, with radial impeller, single-stage, single-entry, pump casing connecting dimensions to EN 22 858 / ISO 2858, with external cooler. Design to ATEX.

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry, in environmental engineering and the general industry.

Hyamaster

Reference no. 2939.51-10 **also available in 60 Hz**

(Only available in Europe, Russia, Middle East and Africa)

HN / BN / TN (Nikkiso-KSB)

Chemical canned motor pump with explosion protection



DN 32 - 300
Q [m³/h] max. 800
H [m] max. 200
p [bar] max. 40
T [°C] max. +180
Data for 50 Hz operation

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

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry.

also available in 60 Hz

(Only available in Europe, Russia, Middle East and Africa)

HT / BT / TT (Nikkiso-KSB)

Chemical canned motor pump with explosion-protection for special applications



DN 32 - 300
Q [m³/h] max. 800
H [m] max. 200
p [bar] max. 40
T [°C] max. +400
Data for 50 Hz operation

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

Applications: Handling of aggressive, solids-containing, polymerizing, flammable, explosive, toxic, volatile or valuable liquids as well as thermal oils in the chemical and petrochemical industry.

also available in 60 Hz

(Only available in Europe, Russia, Middle East and Africa)

HK (Nikkiso-KSB)

Two-stage canned motor pump with explosion protection



DN 25 - 40
Q [m³/h] max. 10
H [m] max. 300
p [bar] max. 40
T [°C] max. +150
n [min^{-1}] max. 8400
Data for n = 8400 min^{-1}

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

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry. For small flow rates, high discharge heads and low $NPSH_R$.

high speed, up to 130 Hz

(Only available in Europe, Russia, Middle East and Africa)

VN (Nikkiso-KSB)

Multistage canned motor pump with explosion protection



DN 40 - 100
Q [m³/h] max. 140
H [m] max. 450
p [bar] max. 40
T [°C] max. +180
Data for 50 Hz operation

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

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry. For high discharge heads.

also available in 60 Hz

Automation possible

Seal-less pumps

(Only available in Europe, Russia, Middle East and Africa)

DN (Nikkiso-KSB)

Self-priming canned motor pump with explosion protection



DN 32 - 50
Q [m³/h] max. 40
H [m] max. 60
p [bar] max. 40
T [°C] max. +180
Data for 50 Hz operation

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

Applications: Handling of aggressive, flammable, explosive, toxic, volatile or valuable liquids in the chemical and petrochemical industry. Self-priming pump for draining of tanks and unloading of tanks and tank trucks.

also available in 60 Hz

Process pumps

RPH

Process pump



DN 25 - 400
Q [m³/h] max. 4150
H [m] max. 270
p [bar] max. 51
T [°C] max. +450
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump in back pull-out design to API 610, 10th edition, or ISO 13709 (heavy duty), with radial impeller, single-stage, single-entry, centreline pump feet; with inducer, if required. ATEX-compliant version available.

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

Hyamaster

Reference no. 1312.5-10 / 1316.51 -10

also available in 60 Hz

CTN

Chemical vertical shaft submersible pump



DN 25 - 250
Q [m³/h] max. 800
H [m] max. 93
p [bar] max. 16
T [°C] max. +300
Data for 50 Hz operation

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

Applications: Handling of chemically aggressive liquids, also slightly contaminated or with a low solids content, in the chemical and petrochemical industry.

Reference no. 2711.5-10

also available in 60 Hz

(Only available in Europe, Russia, Middle East and Africa)

API series (Nikkiso-KSB)

Refinery pump



DN 1½ - 6
Q [m³/h] max. 360
H [m] max. 220
p [bar] max. 40
T [°C] max. +450
Data for 50 Hz operation

Design: Horizontal or vertical canned motor pump to API 685, single-stage, with centreline pump feet; also available with inducer.

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

also available in 60 Hz

Automation possible

Centrifugal pump for minimal volume flows

Microchem

Centrifugal pump for minimal volume flows



Q [ml/min]	0 to 5000
H [m]	max. 200
p [bar]	max. 25
T [°C]	-10 to +100

Design: System consisting of a variable-speed single-stage centrifugal pump with directly flanged motor and control unit.

Applications: Continuous volume flow control for handling aggressive organic and inorganic fluids in chemical and pharmaceutical processes. The pump is suitable for use in laboratories, pilot plants and in production processes, particularly in industrial process engineering, continuous processes, micro-process engineering, miniplants, dosing, coating, spray-drying and injection applications.

Reference no. 2600.5-10

Rainwater harvesting systems

Hya-Rain / Hya-Rain N

Rainwater harvesting system with one pump



Rp	1
Q [m³/h]	max. 4
H [m]	max. 43
p [bar]	max. 6
T [°C]	max. +35

Data for 50 Hz operation

Design: Ready-to-connect package rainwater harvesting system. Automatic mains water back-up if the rain water storage tank is empty, with integrated dry-running protection. Automated with automatic control unit.

Applications: Rainwater and service water utilization, irrigation and spray irrigation systems.

Reference no. 5602.51-10

Hya-Rain Eco

Rainwater harvesting system with one pump



Rp	1
Q [m³/h]	max. 4
H [m]	max. 43
p [bar]	max. 6
T [°C]	max. +35

Data for 50 Hz operation

Design: Ready-to-connect package rainwater harvesting system. Automatic mains water back-up function if the rain water storage tank is empty, with integrated dry-running protection.

Applications: Rainwater and service water utilization, irrigation and spray irrigation systems.

Reference no. 5605.5-10

Domestic water supply systems with automatic control unit / swimming pools

Multi Eco

Multistage, self-priming centrifugal pump



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

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

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

Controlmatic • Cervomatic

Reference no. 5180.5-10

Multi Eco-Pro

Multistage, self-priming centrifugal pump with automatic control unit



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

Design: Multistage, self-priming centrifugal pump in close-coupled design, with power cable, plug and Controlmatic E automatic control unit switching the pump on and off as consumers are opened / closed and protecting the pump against dry running. Automated with automatic control unit.

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

Reference no. 5182.5-10

Multi Eco-Top

Domestic water supply system



Rp	1-1¼
Q [m³/h]	max. 8
H [m]	max. 54
p [bar]	max. 7
T [°C]	max. +50
n [min⁻¹]	max. 2800

Design: Multistage, self-priming centrifugal pump in close-coupled design incl. accumulator with replaceable membrane in drinking water quality, total volume 20 or 50 l, pressure switch for automatic pump operation and 1.5 m power cable. Automated with automatic control unit.

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

Reference no. 5181.5-10

Movitec VME

High-pressure in-line pump in close-coupled design



Rp	1½
Q [m³/h]	max. 9
H [m]	max. 48
p [bar]	max. 16
T [°C]	max. +60
n [min⁻¹]	max. 2900

Data for 50 Hz operation

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

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

PumpMeter • Hyamaster

Reference no. 1798.5-10 — **also available in 60 Hz**

Ixo

Submersible motor pump



Rp	1¼
Q [m³/h]	max. 8
H [m]	max. 65
T [°C]	max. +35
n [min⁻¹]	max. 2900

Design: Fully or partly submerged, multistage, close-coupled centrifugal pump (min. immersion depth 0.1 m), low-level inlet, suction strainer with a max. mesh size of 2.5 mm.

Applications: Water supply, spray irrigation and irrigation systems, washing plants, rainwater harvesting systems, water extraction from wells, tanks and cisterns.

Switchgears • Cervomatic

Reference no. 2146.5-10

Factory-automated Automation possible

Domestic water supply systems with automatic control unit / swimming pools

Filtra N

Recirculating pump for swimming pool filtering systems



Rp	2
Q [m³/h]	max. 36
H [m]	max. 21
p [bar]	max. 2.5
T [°C]	max. +35
n [min⁻¹]	max. 2800

Design: Self-priming, single-stage, close-coupled centrifugal pump.

Applications: Handling of clean or slightly contaminated water, swimming pool water with a chlorine content of up to 0.3 %, ozonized swimming pool water with a salt content of up to 7 ‰.

Reference no. 2127.5-10

Pressure booster systems

Hya-Solo E

Pressure booster system, 1 pump



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

Data for 50 Hz operation

Design: Fully automatic package single-pump system with 8 l membrane-type accumulator, pressure-controlled starting and flow-controlled stopping. Automated with automatic control unit.

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

Reference no. 1951.5-10

Hya-Solo D

Pressure booster system, 1 pump



Rp / DN	1¼ / 100
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Design: Fully automatic package single-pump system with 8 l membrane-type accumulator, pressure-controlled starting and stopping.

Applications: For industrial plants, water supply systems for residential and office buildings, irrigation/spray irrigation and rainwater harvesting systems, service water supply systems in trade and industry.

Reference no. 1951.5-10

Hya-Solo DV

Pressure booster system, 1 pump



Rp / DN	1¼ / 100
Q [m³/h]	max. 110
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +70

Data for 2900 min⁻¹

Design: Fully automatic variable-speed package single-pump system with PumpDrive, pressure-controlled starting and flow-controlled stopping. Automated with PumpDrive.

Applications: For industrial plants, water supply systems for residential and office buildings, irrigation/spray irrigation and rainwater harvesting systems, service water supply systems in trade and industry.

Reference no. 1951.5-10

Factory-automated

Pressure booster systems

Hya-Eco K

Pressure booster system, 2 to 3 pumps



Rp / DN	2 / 80
Q [m³/h]	max. 70
H [m]	max. 100
p [bar]	max. 10
T [°C]	max. +70

Data for 50 Hz operation

Design: Fully automatic package pressure booster system, with 2 to 3 vertical high-pressure pumps, fully electronic control to ensure the required supply pressure, standard version with volt-free changeover contact for general fault indication and live-zero monitoring of the connected sensors, configuration and functions to DIN 1988, Part 5. Automated with BoosterControl.

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

Reference no. 1967.5-10

Hya-Eco VP

Pressure booster system with continuously variable speed control of each pump



Rp / DN	2 / 80
Q [m³/h]	max. 70
H [m]	max. 120
p [bar]	max. 12
T [°C]	max. +70

Data for 3500 min^{-1}

Design: Fully automatic package pressure booster system, with 2 to 3 vertical high-pressure pumps and continuously variable speed adjustment of each pump for fully electronic control of the required supply pressure, with two standard volt-free changeover contacts for fault indication. Configuration and function to DIN 1988, Part 5. Automated with BoosterControl.

Applications: Residential buildings, hospitals, office buildings, hotels, department stores, industry, and other applications.

Reference no. 1967.52-10

Hyamat K

Pressure booster system, 2 to 6 pumps



Rp / DN	1½ / 250
Q [m³/h]	max. 660
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 50 Hz operation

Design: Fully automatic package pressure booster system, with 2 to 6 vertical high-pressure pumps, fully electronic control to ensure the required supply pressure, with volt-free changeover contact for general fault indication and live-zero monitoring of the connected sensors, configuration and functions to DIN 1988, Part 5. Automated with BoosterControl.

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

Reference no. 1952.5-10

Hyamat V

Pressure booster system with continuously variable speed adjustment of one pump



Rp / DN	1½ / 250
Q [m³/h]	max. 660
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 2900 min^{-1}

Design: Fully automatic package pressure booster system, with 2 to 6 vertical high-pressure pumps and continuously variable speed adjustment of one pump for fully electronic control of the required supply pressure. Configuration and functions to DIN 1988, Part 5. Automated with BoosterControl.

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

Reference no. 1953.51-10

Hyamat VP

Pressure booster system with continuously variable speed control of each pump



Rp / DN	1½ / 250
Q [m³/h]	max. 660
H [m]	max. 160
p [bar]	max. 16
T [°C]	max. +70

Data for 2900 min^{-1}

Design: Fully automatic package pressure booster system, with 2 to 6 vertical high-pressure pumps and continuously variable speed control of each pump by PumpDrive speed control system. For fully electronic control of the required supply pressure. Configuration and functions to DIN 1988, Part 5. Automated with BoosterControl and PumpDrive.

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

Reference no. 1953.52-10

Factory-automated

Pressure booster systems

Hyamat IK, IV, IVP

Pressure booster system for industrial applications



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

Data for 50 Hz operation

Design: Fully automatic package pressure booster system, with 2 to 4 vertical high-pressure pumps and fully electronic control to ensure the required supply pressure, configuration and functions to DIN 1988, Part 5. Automated with PLC.

Applications: Handling of service water and cooling water not chemically or mechanically aggressive to the pump materials in industry, etc.

Reference no. 1950.5-10

Drainage pumps / waste water pumps

Ama-Drainer N 301, 302, 303, 358

Submersible motor pump



Rp	1¼ - 1½
Q [m³/h]	max. 17
H [m]	max. 12
T [°C]	max. +35

Data for 50 Hz operation

Design: Vertical, fully floodable submersible motor pump in close-coupled design, IP 68, single-stage, with or without level control, max. immersion depth 2 m.

Applications: Automatic drainage of pits, shafts, yards and cellars subject to a flooding risk, lowering of surface water levels, dewatering, drainage of underground passages, water extraction from rivers and reservoirs.

Switchgears • LevelControl

Reference no. 2331.51-10 / 2331.52-10

Ama-Drainer 400/10 400/35 500/10/11

Submersible motor pump



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

Data for 50 Hz operation

Design: Vertical, fully floodable submersible motor pump in close-coupled design, IP 68, single-stage, with or without level control, max. immersion depth 10 m.

Applications: Automatic drainage of pits, shafts, yards and cellars subject to a flooding risk, lowering of surface water levels, dewatering, drainage of underground passages, water extraction from rivers and reservoirs, disposal of highly contaminated, fibre-containing water.

Switchgears • LevelControl

Reference no. 2331.53-10

Ama-Drainer 80, 100

Submersible motor pump



Rp / DN	2½ / 100
Q [m³/h]	max. 130
H [m]	max. 26
T [°C]	max. +50

Data for 50 Hz operation

Design: Vertical, fully floodable submersible motor pump in close-coupled design, IP 68, single-stage, with or without level control, max. immersion depth 10 m.

Applications: Automatic drainage of pits, shafts, yards and cellars subject to a flooding risk, lowering of surface water levels, dewatering, drainage of underground passages, water extraction from rivers and reservoirs.

Switchgears • LevelControl

Reference no. 2331.54-10

Ama-Porter F / S / ICS

Submersible motor pump



DN 50 - 65
Q [m³/h] max. 40
H [m] max. 21
T [°C] max. +40
Data for 50 Hz operation

Design: Vertical, fully floodable submersible waste water pump in close-coupled design (cast iron variant), single-stage, without explosion protection.

Applications: Handling of all types of waste water.

(ICS) Switchgears • LevelControl (Ama-Porter F/S)

Reference no. 2541.51-10 / 2539.51-10 / 2539.52-10 / 2539.53-10

Rotex

Waste water pump



Rp 1¼ - 2
Q [m³/h] max. 24
H [m] max. 14
T [°C] max. +90
Data for 50 Hz operation

Design: Vertical, single-stage centrifugal pump with discharge to the top and parallel with the pump shaft, pump foot designed as suction strainer. Pump and motor are rigidly connected by a support pipe, ready to be plugged in, with 1.5 m power cable and level switch.

Applications: Automatic disposal of waste water from buildings, pits and tanks, lowering of surface water levels and drainage.

Reference no. 2322.5-10

MK / MKY

Waste water, condensate and heat transfer liquid pump



Rp / DN 2 / 50
Q [m³/h] max. 36
H [m] max. 19
T [°C] max. +200
Data for 50 Hz operation

Design: Vertical submersible pump with three-channel impeller, volute casing designed as suction strainer.

Applications: Handling of condensate and heat transfer liquids below the boiling point, condensate return systems, primary and secondary heating circuits, direct installation in heating tanks or heat exchangers in the secondary circuits of heat transfer systems (MKY).

Switchgears • LevelControl

Reference no. 2324.5-10

Factory-automated Automation possible

Lifting units / collecting tanks

Ama-Drainer-Box

Released for sale until March 2011 – to be superseded by new Ama Drainer Box.

Automatic waste water lifting unit



DN 40 - 50
Q [m³/h] max. 35
H [m] max. 21
T [°C] max. +40
Data for 50 Hz operation

Design: Stable above-floor or impact-resistant underfloor plastic collecting tank with floor drain and odour trap, both variants with Ama-Drainer submersible motor pump starting and stopping automatically and swing check valve. Automated with switchgears and LevelControl.
Applications: Wash-basins, showers, washing machines, garage gateways, basements, rooms subject to a flooding risk, etc.

Reference no. 2331.55-10

mini-Compacta

Floodable sewage lifting unit



DN 32 - 100
Q [m³/h] max. 36
H [m] max. 25
T [°C] max. +40
Data for 50 Hz operation

Design: Floodable single-pump or dual-pump sewage lifting unit for automatic disposal of domestic sewage and faeces below the flood level. Automated with LevelControl.

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

Reference no. 2317.54-10

Compacta®

Floodable sewage lifting unit



DN 80 - 100
Q [m³/h] max. 140
H [m] max. 24
T [°C] max. +40*
Data for 50 Hz operation

* up to +65 °C for short periods

Design: Floodable single-pump or dual-pump sewage lifting unit for automatic disposal of sewage and faeces below the flood level. Automated with LevelControl.

Applications: Basement flats, bars, basement party rooms and saunas, cinemas and theatres, department stores and hospitals, hotels, restaurants, schools, public buildings, industrial plants, joint sewage disposal for rows of houses, etc.

Reference no. 2317.55-10

Pumping Station CK 800-Eu

Pumping station, plastic collecting tank with Amarex N S and Ama-Porter



DN 32 - 50
Q [m³/h] max. 22
H [m] max. 49
T [°C] max. +40
Data for 50 Hz operation

Design: Ready-to-connect package single or dual pumping station with PE-LLD (polyethylene) collecting tank for underground installation. Equipped with one or two Amarex N S and Ama-Porter submersible waste water pumps without explosion protection. Collecting tank design to DIN 1986-100 and EN 752 / EN 476. Automated with LevelControl.

Applications: Renovation of premises, sewage disposal in various sectors, joint sewage disposal for several residential units, pumped drainage.

Reference no. 2334.541-10

Ama-Porter CK Pumping Station

Pumping station, plastic collecting tank with Ama-Porter



DN 50 - 65
Q [m³/h] max. 40
H [m] max. 21
T [°C] max. +40
Data for 50 Hz operation

Design: Ready-to-connect package single or dual pumping station with PE-LLD (polyethylene) collecting tank for underground installation. Equipped with one or two Ama-Porter submersible waste water pumps without explosion protection. Collecting tank design to DIN 1986-100 and EN 752 / EN 476. Automated with switchgears and LevelControl.

Applications: Renovation of premises, sewage disposal in various sectors, joint sewage disposal for several residential units, pumped drainage.

Reference no. 2334.51-10

Amarex N CK Pumping Station

Pumping station, plastic collecting tank with Amarex N



DN 50 - 65
Q [m³/h] max. 50
H [m] max. 39
T [°C] max. +40
Data for 50 Hz operation

Design: Ready-to-connect package single or dual pumping station with PE-LLD (polyethylene) collecting tank for underground installation. Equipped with one or two Amarex N submersible waste water pumps, also available with explosion protection. Collecting tank design to DIN 1986-100 and EN 752 / EN 476. Automated with LevelControl.

Applications: Renovation of premises, sewage disposal in various sectors, joint sewage disposal for several residential units, pumped drainage.

Reference no. 2334.52-10

Evamatic-Box

Released for sale until March 2011 – to be superseded by Evamatic Box N.

Sewage lifting unit



DN 50 - 65
Q [m³/h] max. 40
H [m] max. 21
T [°C] max. +40
Data for 50 Hz operation

Design: Single-pump or dual-pump sewage lifting unit with one or two Ama-Porter submersible waste water pumps with free-flow impeller (F) or cutter (S), to EN 12050-1.

Applications: Disposal of domestic waste water and sewage.

Reference no. 2319.51-10

Evamatic-Box ICS

Released for sale until March 2011 – to be superseded by Evamatic Box N ICS.

Sewage lifting unit



DN 50 - 65
Q [m³/h] max. 40
H [m] max. 21
T [°C] max. +40
Data for 50 Hz operation

Design: Single-pump or dual-pump sewage lifting unit with one or two Ama-Porter ICS submersible waste water pumps with free-flow impeller (F) or cutter (S) and ICS control system.

Applications: Disposal of domestic waste water and sewage.

Reference no. 2319.52-10

Factory-automated

Submersible motor pumps

Amarex N

Submersible motor pump DN 32 to 100



DN	32 - 100
Q [m³/h]	max. 190
H [m]	max. 49
T [°C]	max. +55

Data for 50 Hz operation

Design: Vertical, single-stage submersible motor pump, for wet installation, stationary and transportable design. Amarex N pumps are floodable, single-stage, single-entry close-coupled units which are not self-priming. ATEX-compliant version available.

Applications: Handling of all types of waste water, especially untreated sewage containing long fibres and solid substances, fluids containing gas / air, as well as raw, activated and digested sludge, dewatering / water extraction, drainage of rooms and surfaces subject to a flooding risk.

Switchgears • LevelControl

Reference no. 2563.5-10 also available in 60 Hz

Amarex KRT

Submersible motor pump DN 40 to DN 700



DN	40 - 700
Q [m³/h]	max. 10800
H [m]	max. 100
T [°C]	max. +60
n [min⁻¹]	max. 2900

Data for 50 Hz operation

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

Applications: Handling of all types of abrasive or aggressive waste water in water and waste water engineering as well as industry, especially untreated sewage containing long fibres and solid substances, fluids containing gas / air, as well as raw, activated and digested sludge; sea water desalination.

PumpDrive • Hyamaster • Amacontrol • Switchgears • LevelControl

Reference no. 2553.5-10 also available in 60 Hz

Amarex KRT dry-installed, with cooling jacket

Submersible motor pump DN 100 to DN 700



DN	100 - 700
Q [m³/h]	max. 10000
H [m]	max. 100
p [bar]	max. 10
T [°C]	max. +40
n [min⁻¹]	max. 1450

Data for 50 Hz operation

Design: Vertical, single-stage submersible motor pump in close-coupled design, various impeller types, dry installation.

Applications: Handling of all types of waste water in waste water engineering and industry, especially sewage containing long fibres and solid substances, fluids containing gas / air, as well as raw, activated and digested sludge.

PumpDrive • Hyamaster • Amacontrol • Switchgears • LevelControl

Reference no. 2553.5-10 also available in 60 Hz

Amarex KRT wet/dry-installed, with energy-saving motor

Submersible motor pump DN 80 to DN 200



DN	80 - 200
Q [m³/h]	max. 550
H [m]	max. 25
T [°C]	max. +40
n [min⁻¹]	max. 1450

Data for 50 Hz operation

Design: Horizontal or vertical single-stage submersible motor pump in close-coupled design, with various impeller types, for wet or dry installation, stationary and transportable version, with energy-saving motor.

Applications: Handling of all types of waste water in waste water engineering and industry, especially sewage containing long fibres and solid substances, fluids containing gas / air, as well as raw, activated and digested sludge.

PumpDrive • Hyamaster • Amacontrol • Switchgears • LevelControl

Reference no. 2553.5-10 also available in 60 Hz

Submersible pumps in discharge tubes

Amacan K

Submersible motor pump with non-clogging impeller



DN	700 - 1400
Q [m³/h]	max. 7200
H [m]	max. 30
T [°C]	max. +40
n [min⁻¹]	max. 980

Data for 50 Hz operation

Design: Wet-installed submersible motor pump with non-clogging impeller, single-stage, single-entry, for installation in discharge tubes. ATEX-compliant version available.

Applications: Handling of pre-cleaned, chemically neutral waste water, industrial effluents and sewage, fluids not containing any stringy substances pre-treated by screens and sills, as waste water, mixed water and activated sludge pump in effluent treatment plants, irrigation and drainage pumping systems.

Hyamaster • Amacontrol

Reference no. 1579.5-10 — **also available in 60 Hz**

Amacan P

Submersible motor pump with axial propeller



DN	500 - 1500
Q [m³/h]	max. 25200
H [m]	max. 12
T [°C]	max. +40
n [min⁻¹]	max. 1450

Data for 50 Hz operation

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

Applications: Irrigation and drainage pumping stations, stormwater pumping stations, handling of raw and clean water in water and effluent treatment plants, of cooling water in power stations and industrial plants, industrial water supply systems, water pollution and flood control systems, aquaculture.

Hyamaster • Amacontrol

Reference no. 1580.5-10 — **also available in 60 Hz**

Amacan S

Submersible motor pump with mixed flow impeller



DN	650 - 1300
Q [m³/h]	max. 10800
H [m]	max. 40
T [°C]	max. +30
n [min⁻¹]	max. 1450

Data for 50 Hz operation

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

Applications: Handling of water without stringy substances in irrigation and drainage pumping systems, general water supply systems, water pollution and flood control systems.

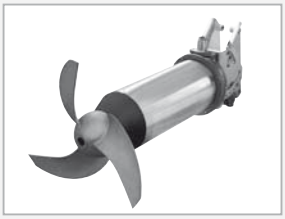
Hyamaster • Amacontrol

Reference no. 1589.5-10 — **also available in 60 Hz**

Mixers / agitators / tank cleaning units

Amamix

Submersible mixer



Propeller ø [mm]	200 - 600
Install. depth [m]	max. 30
T [°C]	max. +40
n [min⁻¹]	max. 1400

Data for 50 Hz operation

Design: Horizontal submersible mixer with self-cleaning ECB propeller, close-coupled design, direct drive or with gear unit. ATEX-compliant version available.

Applications: Handling of municipal and industrial waste water and sludges, also in environmental engineering (biogas plants, etc.).

Reference no. 1592.551-10 / 1592.552-10 — **also available in 60 Hz**

Automation possible

Mixers / agitators / tank cleaning units

Amaprop

Submersible agitator



Propeller ø [mm]	1000 - 2500
Install. depth [m]	max. 30
T [°C]	max. +40
n [min^{-1}]	max. 109

Design: Horizontal submersible agitator with self-cleaning ECB propeller, close-coupled design, equipped with coaxial spur gear. ATEX-compliant version available.

Applications: In environmental engineering, particulary for circulating, keeping in suspension and inducing flow in municipal and industrial waste water and sludges; in nitrification and denitrification tanks, activated sludge tanks, mixing tanks, final storage tanks, biological phosphate elimination tanks, flocculation tanks and in biogas applications.

Reference no. 1592.505-10

Amajet

Cleaning system



DN	100 - 150
Q [m^3/h]	max. 195
T [°C]	max. +40
n [min^{-1}]	max. 1450

Design: Stationary or portable unit with horizontal or vertical submersible motor propulsive jet pump with non-clogging free-flow impeller. Motor rating 5.5 to 27 kW. Available variants: Amajet, SewerAmajet, SwingAmajet, MultiAmajet.

Applications: Cleaning of stormwater tanks and storage sewers.

Reference no. 1574.5-10

Amaline

Submersible motor recirculation pump



DN	300 - 800
Q [m^3/h]	max. 5400
H [m]	max. 2
T [°C]	max. +40
n [min^{-1}]	max. 960

Design: Wet-installed, horizontal propeller pump with submersible motor, equipped with spur gear or direct drive, ECB propeller with 3 rigid, fibre-repellent blades, bolt-free connection to the discharge pipe. ATEX-compliant version available.

Applications: Recirculation of activated sludge in waste water treatment systems.

Reference no. 1594.5-10

Pumps for solids-laden fluids

Sewatec / Sewabloc

Dry-installed volute casing pump



DN	50 - 700
Q [m^3/h]	60 - 10000
H [m]	max. 95
p [bar]	max. 10
T [°C]	max. +70
n [min^{-1}]	max. 2900

Data for 50 Hz operation

Design: Horizontal or vertical volute casing pump with free-flow (F), single vane (E), multi-vane (K) and diagonal single vane (D) impellers, discharge flange to DIN and ANSI standards. ATEX-compliant version available.

Applications: Handling of sewage and all types of waste water in waste water management and industry.

Hyamaster • PumpDrive • LevelControl

Reference no. 2580.5-10/2580.45-10/2580.35-10 **also available in 60 Hz**

Automation possible

Pumps for solids-laden fluids

KWP / KWP-Bloc

Non-clogging impeller centrifugal pump / close-coupled unit



DN 40 - 900 (max. 1000)
Q [m³/h] max. 15000 (18000)
H [m] max. 100
p [bar] max. 10
T [°C] +120 (max. +280)
n [min⁻¹] max. 2900
Data for 50 Hz operation

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

Applications: Handling of pre-treated sewage, waste water, all types of slurries without stringy substances and pulps up to 5 % bone dry.

Hyamaster

Reference no. 2361.5-10/2362.5-10/2361.450-10/2361.453-10/2361.460-10 also available in 60 Hz

Slurry pumps

WBC

Slurry pump



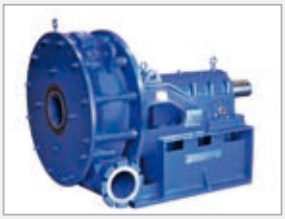
Q [m³/h] max. 13600
H [m] max. 80
p [bar] max. 40
T [°C] max. +120

Design: Patented design incorporates state-of-the art hydraulic and wear technologies for heavy-duty, high-pressure applications. The pump shell is designed to reduce stresses that can cause a structural failure during a pressure surge.

Applications: Ideal for ore and tailings transport to minimize the effect of sudden pressure spikes.

LSA-S

Slurry pump



Q [m³/h] max. 14000
H [m] max. 90
p [bar] max. 16
T [°C] max. +120

Design: Premium design hard iron pumps for long wear life pumping severe slurries. The basic, single-wall construction and heavy section, hard metal wet end combined with the cartridge bearing assembly provides maximum reliability and ease of maintenance.

Applications: Pumps are widely used in ore transport, mill discharge, cyclone feed, tailings and plant process.

LCC-M

Slurry pump



Q [m³/h] max. 3865
H [m] max. 90
p [bar] max. 16
T [°C] max. +120

Design: The hydraulic wet end consists of three components: a shell or casing, an impeller and a suction plate/liner to permit easy removal for maintenance and inspections.

Applications: Reliable pumps for high discharge head, mildly corrosive slurries and a wide range of particle sizes. Used in mineral processing, mine dewatering, ash and tailings.

Automation possible

Slurry pumps

LCC-R

Slurry pump



Q [m³/h] max. 3865
H [m] max. 90
p [bar] max. 16
T [°C] max. +100

Design: Interchangeable rubber and metal design allows best material choice for any application. Easy wet end change can adapt existing pumps to new applications.

Applications: Pumps are suitable for moderate discharge heads, fine particles and highly corrosive slurries.

TBC

Slurry pump



Q [m³/h] max. 18200
H [m] max. 90
p [bar] max. 55
T [°C] max. +120

Design: A high-pressure design, these pumps are constructed as horizontal, end suction centrifugal pumps to give maximum resistance to wear while simplifying maintenance. The conventional single-wall design transfers stress loads to non-wearing side plates in high-pressure applications.

Applications: Features high head and high flow rates for hydrotransport, tailings, dredging, pipeline booster stations and other severe duties.

LSR

Slurry pump



Q [m³/h] max. 9000
H [m] max. 60
p [bar] max. 14
T [°C] max. +120

Design: Extra heavy-duty pumps with a high-grade rubber lining for hard wearing applications. The key to the LSR's success is its endurance.

Applications: Designed for heavy-duty mill circuit and fine grind slurries; specifically copper, iron ore, gold, aggregate and other abrasive applications.

LCV

Slurry pump



Q [m³/h] max. 1360
H [m] max. 38
p [bar] max. 14
T [°C] max. +120

Design: Vertical cantilever, rugged hard metal sump pump with bottom suction and no submerged bearings. Replaceable wet end parts in metal alloys with a durable mechanical end.

Applications: Ideal for industrial process pumping, tailings disposal in mining and pit use.

FGD

Slurry pump



Q [m³/h] max. 22700
H [m] max. 45
p [bar] max. 17
T [°C] max. +120

Design: High-flow/low-head hard metal pumps with a single-wall shell design. High-efficiency impeller. Suction-side liner is equipped with integrated mounting plates.

Applications: Absorber recirculation and ancillary process pumps.

Slurry pumps

Mega

Slurry pump



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

Design: Horizontal, end suction, modified volute casing pump includes 3 vane open design impeller for large solids passage.

Applications: High-performance, low maintenance slurry pump recommended for coarse or fine particles from solids-laden waste water to aggressive slurries of an abrasive and/or corrosive nature.

HHD

Slurry pump



Q [m³/h] max. 14400
H [m] max. 90
p [bar] max. 29
T [°C] max. +120

Design: Best suited for high-flow, high-head pumping where high production requires the reduction in the number of pumps.

Applications: Ideal for pipeline booster stations and severe mining duties. Also, as booster or main hull pump on cutter suction dredges.

MHD

Slurry pump



Q [m³/h] max. 32000
H [m] max. 80
p [bar] max. 28
T [°C] max. +120

Design: Designed to provide high flow/medium head with high efficiency for high volume transportation in long pipelines.

Applications: Ideal for pipeline booster stations and severe mining duties. Also for hopper dredges or as main pump on cutter dredges.

LHD

Slurry pump



Q [m³/h] max. 21600
H [m] max. 65
p [bar] max. 17
T [°C] max. +120

Design: High-flow/low-head design with balanced $NPSH_R$ and sphere passage for high volume transportation over short distance.

Applications: Ideal for sand & gravel, severe mining, dredge ladder and booster pumps.

MDX

Slurry pump



Q [m³/h] max. 14000
H [m] max. 90
p [bar] max. 16
T [°C] max. +120

Design: The latest technology from GIW provides superior wear life and increased up-time handling your most aggressive slurry applications.

Applications: Designed for SAG and ball mill discharge duties as well as cyclone feed and screen feed applications in ore mining.

Slurry pumps

ZW

Slurry pump



Q [m³/h] ..... max. 400
H [m] ..... max. 35
p [bar] ..... max. 10
T [°C] ..... max. +120

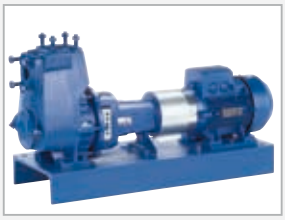
Design: Vertical cantilever, rugged hard metal sump pumps with top and bottom suction, not submerged bearings. Replaceable wet end parts in metal alloys with a durable mechanical end.

Applications: Abrasive slurries, dewatering, floor clean up, and process transfer.

Self-priming pumps

Etaprime L

Self-priming pump for pure or contaminated liquids



DN ..... 25 - 125
Q [m³/h] ..... max. 180
H [m] ..... max. 85
p [bar] ..... max. 10
T [°C] ..... max. +90
Data for 50 Hz operation

Design: Horizontal, long-coupled, self-priming volute casing pump in back pull-out design, single-stage, with open multi-vane impeller. ATEX-compliant version available.

Applications: Handling of pure, contaminated or aggressive liquids not containing abrasive substances and / or solids.

Reference no. 2745.5-10 also available in 60 Hz

Etaprime B / BN

Self-priming close-coupled pump for pure or contaminated liquids



DN ..... 25 - 100
Q [m³/h] ..... max. 130
H [m] ..... max. 72
p [bar] ..... max. 10
T [°C] ..... max. +90
Data for 50 Hz operation

Design: Horizontal, self-priming volute casing pump, single-stage, with open multi-vane impeller, in close-coupled design, with common pump and motor shaft (B) or rigidly connected (BN). ATEX-compliant version available.

Applications: Handling of pure, contaminated or aggressive liquids not containing abrasive substances and / or solids.

Reference no. 2746.5-10 also available in 60 Hz

Submersible borehole pumps

S 100D / UPA 100C

Submersible borehole pump



DN 100
Q [m³/h] max. 16
H [m] max. 400
T [°C] max. +30
Data for 50 Hz operation

Design: Multistage centrifugal pump in ring-section design, for vertical or horizontal installation, impellers made of plastic (S 100D) or stainless steel (UPA 100C) for well diameters of 100 mm (4 inches) and above, available with single-phase a.c. motor or three-phase motor with motor lead.

Applications: Domestic water supply, irrigation and spray irrigation systems, lowering of ground water levels, fire-fighting systems, cooling circuits, fountains, pressure boosting and air-conditioning systems.

Switchgears • Cervomatic

Reference no. 3400.5-10 also available in 60 Hz

UPA 150C

Submersible borehole pump



DN 150
Q [m³/h] max. 79
H [m] max. 570
T [°C] max. +50
Data for 50 Hz operation

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

Applications: Handling of clean or slightly contaminated water, irrigation and drainage, spray irrigation, industrial and municipal water supply, maintaining / lowering of groundwater levels, fire-fighting systems, drinking, raw and service water supply, pressure boosting.

Hyamaster • PumpDrive

Reference no. 3400.52-10 also available in 60 Hz

UPA 200, 200B, 250C

Submersible borehole pump



DN 200 - 250
Q [m³/h] max. 330
H [m] max. 460
T [°C] max. +50
Data for 50 Hz operation

Design: Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Available with non-return valve or connection branch.

Applications: Handling of clean or slightly contaminated water in general water supply, irrigation and spray irrigation systems, maintaining / lowering of ground water levels, fountains, pressure boosting systems, in mines, fire-fighting systems, emergency water supply systems, etc.

Hyamaster

Reference no. 3400.5-10 also available in 60 Hz

UPA 300, 350

Submersible borehole pump



DN 300 - 350
Q [m³/h] max. 840
H [m] max. 480
T [°C] max. +50
Data for 50 Hz operation

Design: Single- or multistage, single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Non-return valve or connection branch on option. Mixed flow hydraulic systems available with reduced impeller diameters.

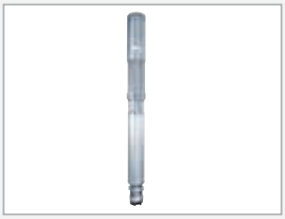
Applications: Handling of clean or slightly contaminated water in general water supply, irrigation and spray irrigation systems, maintaining / lowering of ground water levels, in mines, fire-fighting systems, fountains, etc.

Hyamaster

Reference no. 3400.5-10 also available in 60 Hz

UPZ, BSX-BSF

Submersible borehole pump



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

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

Applications: Handling of clean or slightly contaminated water, maintaining / lowering of ground water levels, in mines.

Reference no. 3470.021-10 also available in 60 Hz

Automation possible

High-pressure pumps, fixed / variable speed

Movitec V / LHS / VS / VC

High-pressure in-line pump



DN	25 - 100
Q [m³/h]	max. 113
H [m]	max. 401
p [bar]	max. 40
T [°C]	max. +140
n [min⁻¹]	max. 2900

Data for 50 Hz operation

Design: Multistage, vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled. ATEX-compliant version available.

Applications: Spray irrigation, irrigation, washing, water treatment, fire-fighting and pressure boosting systems, hot water and cooling water recirculation, boiler feed systems, etc.

PumpMeter • Hyamaster

Reference no. 1798.5-10 — also available in 60 Hz

Movitec PumpDrive

High-pressure in-line pump with motor-mounted variable speed system



DN	25 - 100
Q [m³/h]	max. 113
H [m]	max. 401
p [bar]	max. 40
T [°C]	max. +140
n [min⁻¹]	max. 2900

Design: Multistage, vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled and motor-mounted variable speed system.

Applications: Spray irrigation, irrigation, washing, water treatment, fire-fighting and pressure boosting systems, hot water and cooling water recirculation, boiler feed systems, etc.

PumpMeter

Reference no. 1798.5-10 + 4070.5-10 — also suitable for 60 Hz operation

Multitec

High-pressure pump in ring-section design



DN	32 - 150
Q [m³/h]	max. 850
H [m]	max. 630 (800)
p [bar]	max. 63 (80)
T [°C]	-10 to +200
n [min⁻¹]	max. 4000

Data for 50 Hz operation

Design: Multistage horizontal or vertical centrifugal pump in ring-section design, long-coupled and close-coupled variant, with axial or radial suction nozzle, cast radial impellers. ATEX-compliant version available.

Applications: Water and drinking water supply systems, general industry, pressure boosting systems, irrigation systems, in power stations, heating, filter, fire-fighting, reverse osmosis and washing plants, snow guns, etc.

Hyamaster

Reference no. 1777.5-10 — available in 50 Hz and 60 Hz

Multitec PumpDrive

High-pressure pump in ring-section design with motor-mounted variable speed system



DN	32 - 125
Q [m³/h]	max. 180
H [m]	max. 630
p [bar]	max. 63
T [°C]	max. +110
n [min⁻¹]	max. 4000

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

Applications: Water and drinking water supply systems, general industry, pressure boosting systems, irrigation systems, in power stations, heating, filter, fire-fighting, reverse osmosis and washing plants, snow guns, etc.

Reference no. 1777.5-10 + 4070.5-10 — also suitable for 60 Hz operation

Axially split pumps

Omega

Axially split volute casing pump DN 80 - 350



DN	80 - 350
Q [m³/h]	max. 2880
H [m]	max. 170
p [bar]	max. 25
T [°C]	max. +70
n [min⁻¹]	max. 2900

Data for 50 Hz operation, higher values available upon request

Design: Single-stage, axially split volute casing pump for horizontal or vertical installation, with double-entry radial impeller, mating flanges to DIN, ISO, BS or ANSI.

Applications: Handling of raw, pure and service water as well as seawater in water treatment plants, irrigation and drainage pumping stations, power stations, fire-fighting systems, shipbuilding and the petrochemical industry.

Hyamaster

Reference no. 1384.5-10 — also available in 60 Hz

RDLO

Axially split volute casing pump DN 350 - 700



DN	350 - 700
Q [m³/h]	max. 10000
H [m]	max. 240
p [bar]	max. 25
T [°C]	max. +70
n [min⁻¹]	max. 1450

Data for 50 Hz operation, higher values available upon request

Design: Single-stage, axially split volute casing pump for horizontal or vertical installation with double-entry radial impeller, mating flanges to DIN, ISO, BS or ANSI.

Applications: Handling of raw, pure and service water as well as seawater in water treatment plants, irrigation and drainage pumping stations, in power stations, fire-fighting systems, shipbuilding and the petrochemical industry.

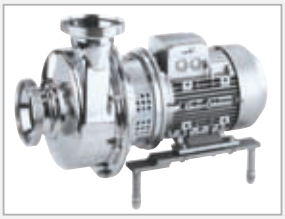
Hyamaster

Doku-Nr. 1385.51-10/1387.5 -10 — also available in 60 Hz

Hygienic pumps for the food, beverage and pharmaceutical industries

Vitachrom

Rolled steel centrifugal pump



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

Data for 50 Hz operation

Design: Maintenance-friendly annular casing pump, close-coupled with standardised motor, all wetted components made of 316L stainless steel. Certified by the TNO Nutrition and Food Research Institute to EHEDG standards for processing food products.

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

Hyamaster • PumpDrive

Reference no. 1966.5-10 — also available in 60 Hz

Vitacast / Vitacast E

Investment cast centrifugal pump



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

Data for 50 Hz operation, other values available upon request

Design: Maintenance-friendly volute casing pump with standardised motor, all wetted components made of 316L stainless steel. Hygienic design for the highest requirements on cleanability (CIP/SIP-compatible), certified by the TNO Nutrition and Food Research Institute to EHEDG standards (Vitacast E).

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

PumpDrive

Reference no. 1969.51 / 1969.52 — also available in 60 Hz

Automation possible

Hygienic pumps for the food, beverage and pharmaceutical industries

Vitaprime

Self-priming centrifugal pump



DN	40 - 80
Q [m³/h]	max. 55
H [m]	max. 43
p [bar]	max. 4
T [°C]	max. +100

Data for 50 Hz operation, other values available upon request

Design: Maintenance-friendly, self-priming side channel pump in close-coupled design with standardised motor, all wetted components made of 316L stainless steel. Hygienic design for the highest requirements on cleanability (CIP/SIP-compatible).

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

PumpDrive

Reference no. 1969.54 — **also available in 60 Hz**

Vitastage

Multistage centrifugal pump



Q [m³/h]	max. 40
H [m]	max. 150
p [bar]	max. 16
T [°C]	max. +100

Data for 50 Hz operation, other values available upon request

Design: Multistage centrifugal pump in close-coupled design for vertical or horizontal installation. All wetted components made of 316 stainless steel.

Applications: Processes in the food and beverage industry as well as in the chemical industry with moderate hygienic requirements.

Reference no. 1969.55 — **also available in 60 Hz**

Vitalobe

Rotary lobe pump



DN	25 - 200 (1" - 8")
Q [m³/h]	max. 300
H [m]	max. 200
p [bar]	max. 30
T [°C]	-40 to +200
Viscosity [cP]	≤ 3000000
Volume displaced [litres per revolution]	max. 10,5

Data for 50 Hz operation, other values available upon request

Design: Sturdy rotary lobe pump in hygienic design, bi-directional operation possible, horizontal and vertical orientation of connections. Hygienic design, all wetted components made of 316L stainless steel; various rotor types and process connections available. Pump set with geared motor.

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

PumpDrive

Reference no. 1969.53 — **also available in 60 Hz**

Pumps for power station conventional islands

CHTA / CHTC / CHTD

Boiler feed pump



DN	100 - 500
Q [m³/h]	max. 3700
H [m]	max. 5300
p [bar]	max. 560
T [°C]	max. +210
n [min⁻¹]	max. 6750

Data for 50 Hz operation, higher values available upon request

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

Applications: Handling of feed water and condensate in power stations and industrial facilities, generation of pressurized water for bark peeling machines and descaling equipment.

Reference no. 1860.1-10 — **also available in 60 Hz**

Automation possible

Pumps for power station conventional islands

CHTR

Boiler feed pump



DN	50 - 150
Q [m³/h]	max. 900
H [m]	max. 2500
p [bar]	max. 250
T [°C]	max. +400
n [min⁻¹]	max. 7000

Data for 50 Hz operation, higher values available upon request

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

Applications: In refineries, in the petrochemical industry and in steam generation plants.

Reference no. 2701-10 — **also available in 60 Hz**

HGB / HGC / HGD

Boiler feed pump



DN	40 - 400
Q [m³/h]	max. 2300
H [m]	max. 5300
p [bar]	max. 560
T [°C]	max. +210
n [min⁻¹]	max. 7000

Data for 50 Hz operation, higher values available upon request

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

Applications: Handling of feed water and condensate in power stations and industrial facilities, generation of pressurized water for bark peeling machines, descaling equipment, snow guns, etc.

Reference no. 1850.02-10 — **also available in 60 Hz**

HGM

Boiler feed pump



DN	25 - 100
Q [m³/h]	max. 274
H [m]	max. 1400
p [bar]	max. 140
T [°C]	max. +160
n [min⁻¹]	max. 3600

Data for 50 Hz operation, higher values available upon request

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

Applications: Handling of feed water in power stations, boiler feed water and condensate in industrial facilities.

Reference no. 1856.02-10 — **also available in 60 Hz**

YNK / KRHA

Boiler feed booster pump



DN	125 - 600
Q [m³/h]	max. 3700
H [m]	max. 280
p [bar]	max. 40
T [°C]	max. +210
n [min⁻¹]	max. 1800

Data for 50 Hz operation, higher values available upon request

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

Applications: Handling of feed water in power stations and industrial facilities.

Reference no. 1130.5-10 — **also available in 60 Hz**

RHD

Feed water pump



DN	250 - 400
Q [m³/h]	max. 6500
H [m]	max. 1000
p [bar]	max. 150
T [°C]	max. +210
n [min⁻¹]	max. 6500

Data for 50 Hz operation, higher values available upon request

Design: Horizontal, single-stage, double-entry feed water pump, cast and forged variant.

Applications: Handling of feed water in steam generation systems of nuclear power stations.

also available in 60 Hz

Pumps for power station conventional islands

LUV / LUVA

Boiler recirculation pump



DN	100 - 550
Q [m³/h]	max. 7000
H [m]	max. 275
p [bar]	max. 320
T [°C]	max. +420
n [min⁻¹]	max. 3600

Data for 50 Hz operation, higher values available upon request

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

Applications: Hot water recirculation in forced-circulation, forced-flow and combined-circulation boilers for very high pressures.

Reference no. 0361.033-10 — **also available in 60 Hz**

WKT / WKTA / WKTB

Condensate pump



DN	40 - 300
Q [m³/h]	max. 1800
H [m]	max. 340
p [bar]	max. 40
T [°C]	max. +100
n [min⁻¹]	max. 1800

Data for 50 Hz operation, higher values available upon request

Design: Vertical, multistage, can-type ring-section pump with radial and mixed flow impellers. Single- and double-entry suction impellers, flanges to DIN or ANSI. The can is arranged in a pit below the installation floor. The pump is connected with the structure by means of a baseplate.

Applications: Handling of condensate in power stations and energy systems.

Reference no. 0361.033-10 — **also available in 60 Hz**

SEZ / SEZT / PHZ / PNZ

Cooling water pump



Q [m³/s]	max. 22
H [m]	max. 100
T [°C]	max. +40
n [min⁻¹]	max. 980

Data for 50 Hz operation, higher values available upon request

Design: Vertical tubular casing pump with open mixed flow impeller (SEZ), mixed flow propeller (PHZ) or axial propeller (PNZ). Pump inlet with bellmouth or suction elbow, pull-out design available, discharge nozzle arranged above or below floor, flanges to DIN or ANSI standards available.

Applications: Handling of raw, pure, service and cooling water in industry, water supply systems, in power stations and seawater desalination plants.

Reference no. 1471.02-10 — **also available in 60 Hz**

SNW / PNW

Cooling water pump



DN	350 - 800
Q [m³/h]	max. 9000
H [m]	max. 50
p [bar]	max. 10
T [°C]	max. +60
n [min⁻¹]	max. 1500

Data for 50 Hz operation, higher values available upon request

Design: Vertical tubular casing pump with mixed flow impeller (SNW) or axial propeller (PNW), single-stage, with maintenance-free Residur shaft bearings, discharge nozzle arranged above or below floor.

Applications: Irrigation and drainage systems, stormwater pumping stations, handling of raw and pure water, water supply systems, handling of cooling water.

Reference no. 1481.5-10/1591.5-10 — **also available in 60 Hz**

SPY

Cooling water pump



DN	350 - 1200
Q [m³/h]	max. 21600
H [m]	max. 50
p [bar]	max. 10
T [°C]	max. +105
n [min⁻¹]	max. 1480

Data for 50 Hz operation, higher values available upon request

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

Applications: Drainage, irrigation and water supply systems, handling of condensate, cooling water, service water, etc.

Reference no. 2384.51-10 — **also available in 60 Hz**

Pumps for power station nuclear islands

RER

Reactor coolant pump



DN	max. 800
Q [m³/h]	max. 40000
H [m]	max. 140
p [bar]	max. 175
T [°C]	max. +350
n [min⁻¹]	max. 1800

Data for 50 Hz operation, higher values available upon request

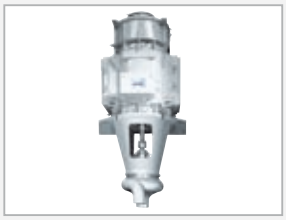
Design: Vertical, single-stage reactor coolant pump with forged annular casing plated on the inside, with diffuser, either with own pump thrust bearing or supported by motor bearing.

Applications: Reactor coolant recirculation in nuclear power stations (PWR).

also available in 60 Hz

RSR

Reactor coolant pump



DN	max. 600
Q [m³/h]	max. 9000
H [m]	max. 215
p [bar]	max. 125
T [°C]	max. +310
n [min⁻¹]	max. 1800

Data for 50 Hz operation, higher values available upon request

Design: Vertical, single-stage reactor coolant pump, with cast double volute casing, supported by motor bearing.

Applications: Reactor coolant recirculation in nuclear power stations (PWR, PHWR).

PSR

Reactor internal pump



DN	max. 600
Q [m³/h]	max. 9000
H [m]	max. 45
p [bar]	max. 75
T [°C]	max. +300
n [min⁻¹]	max. 2000

Data for 50 Hz operation, higher values available upon request

Design: Vertical pump set integrated in the reactor pressure vessel, glandless pump with leak-free, low-maintenance wet winding motor.

Applications: Reactor coolant recirculation in boiling water reactors (BWR).

also available in 60 Hz

LUV - Nuclear

Reactor coolant / reactor water clean-up pump



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

Data for 50 Hz operation, higher values available upon request

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

Applications: As reactor water clean-up pump in boiling water reactors, reactor coolant pump in boiling water and pressurized water reactors, and as recirculation pump in test facilities.

also available in 60 Hz

RHM

Pump for safety-related and auxiliary systems



DN	max. 150
Q [m³/h]	max. 300
H [m]	max. 2100
p [bar]	max. 220
T [°C]	max. +180
n [min⁻¹]	max. 8000

Data for 50 Hz operation, higher values available upon request

Design: Horizontal, multistage barrel pull-out pump.

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

also available in 60 Hz

Pumps for power station nuclear islands

RVM

Pump for safety-related and auxiliary systems



DN ____ max. 85
Q [m³/h] ____ max. 50
H [m] ____ max. 2000
p [bar] ____ max. 200
T [°C] ____ max. +100
n [min⁻¹] ____ max. 6000
Data for 50 Hz operation,
higher values available upon request

Design: Vertical, multistage barrel pull-out pump.

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

also available in 60 Hz

RHR / RVR

Pump for safety-related and auxiliary systems



DN ____ max. 500
Q [m³/h] ____ max. 6000
H [m] ____ max. 190
p [bar] ____ max. 63
T [°C] ____ max. +200
n [min⁻¹] ____ max. 3600
Data for 50 Hz operation

Design: Horizontal or vertical annular casing pump with forged pressure boundary and diffuser.

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

also available in 60 Hz

RUV

Reactor coolant pump



DN ____ max. 710
Q [m³/h] ____ max. 22000
H [m] ____ max. 111
p [bar] ____ max. 155
T [°C] ____ max. +350
n [min⁻¹] ____ max. 1800
higher values available upon request

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

Applications: Main coolant circulation in third-generation nuclear power stations.

available in 50 Hz and 60 Hz

Pumps and pressure exchangers for seawater desalination by reverse osmsis

SalTec System

Hydraulic system



Q [m³/day] ≥ 10000
p [bar] max. 80
T [°C] max. +40

Design: Hydraulic system for pressure boosting and energy recovery in reverse osmosis processes for seawater desalination.

Components: SalTec® DT pressure exchanger, HGM-RO high-pressure pump, RPH-RO booster pump and control unit.

Applications: Seawater desalination by reverse osmosis.

Reference no. 1858.11-10

SalTec DT

Pressure exchanger



Q [m³/h] max. 280
p [bar] max. 80
T [°C] max. +40

Description: Pressure exchanger specially developed for use in RO seawater desalination systems, in duplex stainless steel (standard) or super duplex stainless steel (on request).

Reference no. 1858.1-10

RPH-RO

Booster pump



DN 25 - 400
Q [m³/h] max. 4150
H [m] max. 270
p [bar] max. 104
T [°C] max. +50
Data for 50 Hz operation

Design: Horizontal, radially split volute casing pump, dry-installed, made of duplex stainless steel (standard) or super duplex stainless steel (on request).

Applications: Booster pump for RO seawater desalination systems.

also available in 60 Hz

HGM-RO

High-pressure pump



DN 65 - 250
Q [m³/h] max. 1500
H [m] max. 950
p [bar] max. 120
T [°C] max. +40
n [min⁻¹] max. 3600
Data for 50 Hz operation, higher values available upon request

Design: Horizontal, radially-split, product-lubricated, multistage ring-section pump with radial impellers and plain bearings. Axial and radial single-entry inlet. Duplex stainless steel variant also suitable for chilled water applications.

Applications: High-pressure pump for RO seawater desalination systems.

Reference no. 1582.12-10 also available in 60 Hz

Multitec-RO

High-pressure pump



DN 50 - 150
Q [m³/h] max. 850
H [m] max. 1000
p [bar] max. 100
T [°C] max. +40
n [min⁻¹] max. 4000
Data for 50 Hz operation

Design: Horizontal, multistage pump in ring-section design. Axial suction nozzle, discharge nozzle can be turned in steps of 90°. Closed radial impellers. In duplex or super-duplex stainless steel.

Applications: High-pressure pump for RO seawater desalination systems.

Hyamaster • PumpDrive

Reference no. 1777.13-10 available in 50 Hz and 60 Hz

Factory-automated Automation possible

Control units

Controlmatic E.2

Automatic control unit



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

Design: Single-pump control system for starting, stopping and monitoring pumps.

Applications: Water supply systems, in combination with pumps like Multi Eco, Multichrom S, Ixo, S 100D, etc.

Reference no. 5125.1785-10

Cervomatic EDP.2

Automatic control unit



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

Design: Single-pump control unit for pressure-controlled starting and either pressure-controlled or flow-controlled stopping as well as monitoring pumps.

Applications: In water supply systems using, for example, Multi Eco, Ixo, S 100D and UPA 150C.

Reference no. 5125.178-10

LevelControl

Level control unit



No. of pumps max. 2
[kW] max. 22
Voltage [V] 230 / 400
higher values available upon request

Design: Level control unit for controlling up to two pumps. Direct starting up to 4 kW, star-delta starting up to 22 kW.

Applications: Tank drainage via float switches, pneumatic or bubbler control in building services and waste water applications.

Reference no. 4040.5-10, 4041.5-10

UPA Control

Control system for submersible borehole pumps



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

Design: Single-pump control unit for submersible borehole pumps, submersible motor pumps and dry-installed pumps.

Applications: Water supply systems, in combination with pumps like S 100D, UPA 150S, etc.

Reference no. 3465.1-10

hyatronic N

Pump control system for cascade starting and stopping



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

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

Applications: Water supply systems.

Reference no. 0543.5026-10

Speed control

PumpDrive

Self-cooling, motor-independent variable-speed system



No. of pumps	max. 6
FI	1 per pump/motor
[kW]	45
Voltage [V]	3~380 to 480

Design: Self-cooling frequency inverter which allows the motor speed to be varied continuously by means of standard signals and a field bus. Because PumpDrive is self-cooling, it can be mounted on the motor, on the wall or in a cabinet. Control of up to 6 pumps without an additional controller (with PumpDrive Advanced).

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

Reference no. 4070.5-10

hyatronic spc

Pump control system for continuously variable speed adjustment



No. of pumps	max. 1
FI	max. 1
[kW]	7.5
Voltage [V]	3~400

Design: Single-pump control system for continuously variable speed adjustment with integrated frequency inverter.

Applications: Heating, ventilation, air-conditioning, water supply and drainage systems.

Reference no. 0973.5-10

hyatronic mb

Pump control system for continuously variable speed adjustment



No. of pumps	max. 8
FI	max. 2
[kW]	200
Voltage [V]	3~400

Design: Pump control system in control cabinet for asynchronous motors of all types and makes for controlling and monitoring hydraulic systems.

Applications: Heating, ventilation and air-conditioning systems, water supply and drainage systems.

Reference no. 0974.5-10

Hyamaster ISB

Pump control system for continuously variable speed adjustment



No. of pumps	max. 8
FI	max. 2
[kW]	200
Voltage [V]	3~400

Design: Control system for pumps with three-phase motors of all types and makes, consisting of a KSB controller with display and control panel and all required power components.

Applications: Industrial and process engineering circuits, service water supply, cooling and lubrication, energy supply in cogeneration plants, heat transfer and district heating stations, water extraction and treatment, water supply and waste water disposal.

Reference no. 1961.5-10

Hyamaster SPS

Pump control system for continuously variable speed adjustment



No. of pumps	max. 4
FI	1 per pump
[kW]	650
Voltage [V]	3~400

Design: Control system for pumps with three-phase motors of all types and makes, consisting of a programmable logic controller (PLC) with display and control panel and all required power components housed in a control cabinet.

Applications: Process engineering circuits, service water supply, cooling and lubrication systems, cogeneration plants, heat transfer and district heating stations, water extraction and treatment, water supply and waste water disposal.

Reference no. 1964.5-10

Monitoring and diagnostic systems

PumpMeter

Intelligent pressure transmitter



No. of pumps max. 1
Type see pump type series
Installation factory-mounted, IP 65
Voltage 24 V DC

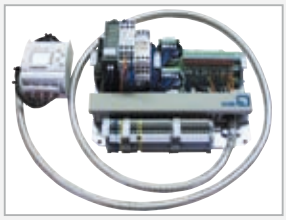
Design: The PumpMeter device is an intelligent pressure transmitter for pumps, with on-site display of measured values and operating data. The device consists of two pressure sensors and a display unit. It records the load profile of the pump in order to indicate any potential for optimising energy efficiency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

Applications: For monitoring the operation of a centrifugal pump.

Reference no. 4072.5-10

Amacontrol

Monitoring system for submersible waste water pumps



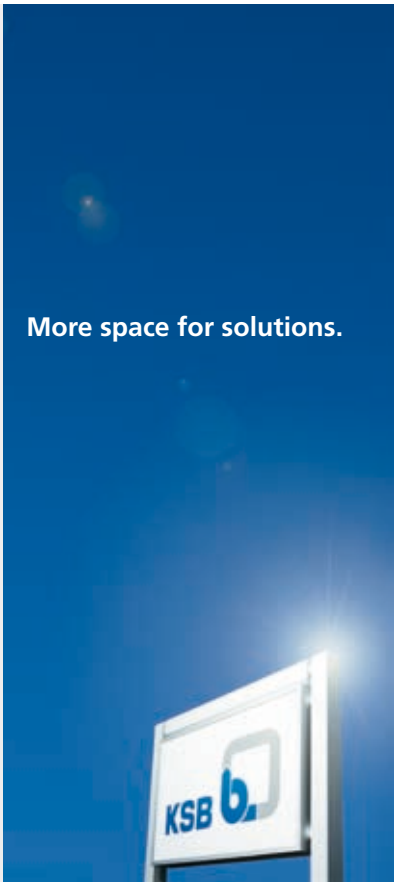
No. of pumps max. 1
Type Amacan
Installation mounting plate IP20
Voltage 230 V AC

Design: Monitoring system for submersible waste water pumps with shutdown.

Reference no. 2316.178-10

Subject to technical modification without prior notice.

Your local KSB representative:



KSB Aktiengesellschaft
Johann-Klein-Straße 9
67227 Frankenthal (Germany)
www.ksb.com

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