

Drive, variable speed system and monitoring

KSB SuPremE

	Number of pumps	≤ 1	Description IEC-compatible sensorless magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4 / IE5 (super/ultra premium efficiency) to IEC TS 60034-30-2:2016 for operation on a KSB PumpDrive 2, PumpDrive 2 Eco or PumpDrive R variable speed system. Suitable for connection to three-phase 380 - 480 V power supply (via PumpDrive). The motor mounting points comply with EN 50347 specifications to ensure compatibility with standardised IEC frame motor applications and full interchangeability with IE2 or IE3 standardised asynchronous motors. Envelope dimensions lie within the limits for IE2 / IE3 motors as recommended in DIN V 42673 (07-2011). The motor is controlled without rotor position sensors. The efficiency of the motor also exceeds 95 percent of nominal efficiency when the motor runs at 25 percent of its nominal power on a quadratic torque-speed curve. The motor is magnetless which means that so-called rare earths are not used in production. Drive production is thus sustainable and environmentally friendly. Applications For use with dry-installed variable speed pumps which can be driven by standardised foot-mounted and/or flange-mounted motors.	
	V [V]			
	Power supply via PumpDrive / PumpDrive R only			

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

KSB UMA-S

	Number of pumps V [V]		≤ 1 3~400	Description Permanent-magnet submersible synchronous motor, for operation on a KSB PumpDrive R variable speed system. NEMA connections and identical outside diameters ensure full interchangeability with comparable 6-inch, 8-inch or 10-inch asynchronous motors. The motor is controlled without rotor position sensors. The motor efficiency is 5 - 12 % above that of asynchronous motors. Given the design and functionality the use of permanent magnets is essential. Applications Exclusively for submersible borehole pumps in the range of 4 to 250 kW.	
	Other mains voltages on request				

PumpDrive 2 / PumpDrive 2 Eco

	Number of pumps		≤ 6	Description Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive is self-cooling, it can be mounted on a motor, on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller. Applications Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport	
	P [kW]		55		
V [V]		3~380 - 480			
Frequency inverter		1 per motor			

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

PumpDrive R

	Number of pumps	≤ 6	Description Modular self-cooling frequency inverter that enables continuously variable speed control of asynchronous and synchronous reluctance motors by means of analog standard signals, a field bus or the control panel. As PumpDrive R is self-cooling, it can be mounted on the wall or in a control cabinet. Up to six pumps can be controlled without needing an additional controller. PumpDrive R extends the power range of PumpDrive 2 up to a rated power of 400 kW (standard) / 1400 kW (on request).	
	P [kW]	55		
	V [V]	3~380 - 480		
	Frequency inverter	1 per motor	Applications Air-conditioning systems, heat generation, heat distribution, water supply systems, water extraction, water treatment, water distribution, water transport, refrigeration, cooling distribution, heat generation, heat distribution, fluid transport, cooling lubricant distribution, industrial water supply, tank drainage, waste water transport	
https://www.ksb.com/en-gb/lc/K01A				

PumpMeter

	Number of pumps	≤ 1	Description Device for monitoring the operation of one pump. It is an intelligent pressure transmitter for pumps, with on-site display of measured values and operating data. It records the load profile of the pump in order to indicate any potential for optimising energy efficiency and availability. The device comprises two pressure sensors and a display unit. PumpMeter is supplied completely assembled and parameterised for the pump it is used with. It is ready for operation as soon as the M12 plug connector is plugged in.	
	V [V DC]	24		
			Applications Air-conditioning systems, cooling circuits, cooling lubricant distribution, heating systems, water treatment plants, water supply systems, water distribution systems, water transport systems, water extraction systems	
https://www.ksb.com/en-gb/lc/P28A				

KSB Guard

	Sensor units	≤ 40 (per gateway)	Description The smart and comprehensive monitoring service for pumps and other rotating machinery, easy to retrofit during operation, also suitable for non-KSB pumps. Benefit from predictive maintenance with KSB: comprehensive transparency, increased availability, enhanced operating reliability and efficient operation. Important functional data such as vibrations, temperature, operating hours and load condition (of fixed-speed pumps) can be accessed via KSB Guard, anytime and from anywhere. In addition, deviations from normal operation trigger immediate notifications via the KSB Guard web portal and/or app. The experts at the KSB Guard Monitoring Centre also provide support in analysing causes. Also available as ATEX-compliant version.	
	V [V AC]	110 - 240 (gateway)		
			Applications Monitoring dry-installed pumps as well as submersible pumps and mixers, optimising and improving system availability	
https://www.ksb.com/en-gb/lc/G01A				

KSB Leakage Sensor

	Installation type	Stationary	Description The KSB Leakage Sensor is an intelligent monitoring system for measuring and displaying mechanical seal leakage on site. It comprises a leakage measuring instrument and a display unit.	
	T [°C]	≥ -30 - ≤ +350		
			Applications Industry (heat transfer fluid market)	
https://www.ksb.com/en-gb/lc/L05A				

Drinking water circulators, fixed speed

CalioTherm S



Rp	1/2
Q [m³/h]	≤ 0,7
H [m]	≤ 1,4
p [bar]	≤ 10
T [°C]	≥ +5 - ≤ +65

Data for 50 Hz operation

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

Applications
Drinking water circulation systems



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

Drinking water circulators, variable speed

CalioTherm Pro



G	11/2 - 2
DN	40
Q [m³/h]	≤ 24
H [m]	≤ 12
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +70
n [rpm]	≤ 4500

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

CalioTherm S Pro



G	11/2
Q [m³/h]	≤ 3,5
H [m]	≤ 6
p [bar]	≤ 10
T [°C]	≥ +2 - ≤ +65
n [rpm]	≤ 3000

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

Heating circulators, variable speed

Calio S Pro



G	1 - 2	Description Maintenance-free high-efficiency screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control. Applications Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems	
Q [m³/h]	≤ 3,5		
H [m]	≤ 8		
p [bar]	≤ 10		
T [°C]	≥ +2 - ≤ +95		
n [rpm]	≤ 3000		

Data for 50 Hz operation
Also available for 60 Hz

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

Calio



G	1 1/2 - 2	Description Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control. Applications Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems	
DN	32 - 100		
Q [m³/h]	≤ 51		
H [m]	≤ 18		
p [bar]	≤ 16		
T [°C]	≥ -10 - ≤ +110		
n [rpm]	≤ 4500		

Data for 50 Hz operation
Also available for 60 Hz

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

Calio Z



G	2	Description Maintenance-free high-efficiency flanged or screw-ended glandless pump in twin pump design with high-efficiency electric motor and continuously variable differential pressure control. Applications Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems	
DN	32 - 65		
Q [m³/h]	≤ 70		
H [m]	≤ 18		
p [bar]	≤ 16		
T [°C]	≥ -10 - ≤ +110		
n [rpm]	≤ 4500		

Data for 50 Hz operation
Also available for 60 Hz

<https://www.ksb.com/en-gb/lc/C09B>

Calio Pro



G	1 1/2 - 2	Description Maintenance-free high-efficiency flanged or screw-ended glandless pump with high-efficiency electric motor and continuously variable differential pressure control. Applications Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems	
DN	32 - 65		
Q [m³/h]	≤ 24		
H [m]	≤ 12		
p [bar]	≤ 16		
T [°C]	≥ -10 - ≤ +110		

Data for 50 Hz operation
Also available for 60 Hz

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

Calio Pro Z



G	2	Description Maintenance-free high-efficiency flanged or screw-ended glandless pump in twin pump design with high-efficiency electric motor and continuously variable differential pressure control. Applications Heating, ventilation, air-conditioning and heat recovery systems, cooling systems, industrial recirculation systems	
DN	32 - 50		
Q [m³/h]	≤ 22		
H [m]	≤ 12		
p [bar]	≤ 16		
T [°C]	≥ -10 - ≤ +110		
Data for 50 Hz operation Also available for 60 Hz			

<https://www.ksb.com/en-gb/lc/C09C>

In-line pumps

EtaLine Pro



G	11/2	Description EtaLine Pro – more compact, flexible and efficient. Service-friendly high-efficiency variable speed in-line pump with dry-rotor permanent magnet synchronous motor. Integrated sophisticated pump functions. Well ahead of the ErP Directive's efficiency requirements. For heating and air-conditioning applications as well as water supply systems. Applications Heating systems, air-conditioning systems, cooling circuits, water supply systems (not approved for drinking water according to the German Environment Agency), service water supply systems, industrial recirculation systems	
DN	25 - 65		
Q [m³/h]	≤ 63,6		
H [m]	≤ 42,9		
p [bar]	≤ 10		
T [°C]	≥ -20 - ≤ +120		
Data for 50 Hz operation Also available for 60 Hz			

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

Etaline



DN	32 - 200	Description Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. With KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Applications Hot water heating, cooling circuits, air-conditioning, water supply systems, service water supply systems, industrial recirculation systems	
Q [m³/h]	≤ 700		
H [m]	≤ 96		
p [bar]	≤ 16		
T [°C]	≥ -30 - ≤ +140		
Data for 50 Hz operation Also available for 60 Hz			

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

Etaline Z



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Etaline-R



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

ILN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit

<https://www.ksb.com/en-gb/lc/I15A>

ILNC



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Control unit

<https://www.ksb.com/en-gb/lc/I16A>

ILNR



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

Data for 50 Hz operation
Also available for 60 Hz

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

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

Megaline



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

Data for 60 Hz operation

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

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



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

Standardised / close-coupled pumps

Etanorm



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

Etabloc



DN	25 - 150
Q [m³/h]	≤ 660
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -30 - ≤ +140
Data for 50 Hz operation Also available for 60 Hz	

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

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



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

Etachrom B



DN	25 - 80
Q [m³/h]	≤ 260
H [m]	≤ 105
p [bar]	≤ 12
T [°C]	≥ -30 - ≤ +110
Data for 50 Hz operation Also available for 60 Hz	

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

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



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

Etachrom L



DN	25 - 80
Q [m³/h]	≤ 260
H [m]	≤ 105
p [bar]	≤ 12
T [°C]	≥ -30 - ≤ +110
Data for 50 Hz operation Also available for 60 Hz	

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

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



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

Etanorm V



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



<https://www.ksb.com/en-gb/lc/EB5B>

Meganorm



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



<https://www.ksb.com/en-gb/lc/M52B>

Megabloc



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

Data for 60 Hz operation

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

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



<https://www.ksb.com/en-gb/lc/M44B>

Hot water pumps

HPK-L



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

Data for 50 Hz operation
Also available for 60 Hz

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

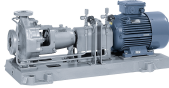
Applications
Pumping high-temperature hot water and thermal oil in piping systems or tank systems, particularly in medium-sized and large hot-water heating systems, forced circulation boilers, district heating systems



● KSB Leakage Sensor

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

HPK



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

HPH



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

RPH-HW



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

Hot water / thermal oil pumps

Etanorm SYT / RSY



DN 25 - 300
Q [m³/h] ≤ 2285
H [m] ≤ 102
p [bar] ≤ 16
T [°C] ≥ -30 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

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

Applications
Heat transfer systems, high-temperature hot water recirculation





● KSB Leakage Sensor

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

Etabloc SYT



DN	25 - 80	Description Volute casing pump for horizontal or vertical installation, back pull-out design, single-stage, with ratings to EN 733, radially split volute casing, replaceable casing wear rings, volute casing with integrally cast pump feet, closed radial impeller with multiply curved vanes, single mechanical seal to EN 12756, product-lubricated carbon plain bearing, grease-lubricated radial ball bearing in the motor housing, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; ATEX-compliant version available. Applications Heat transfer systems, high-temperature hot water recirculation	
Q [m³/h]	≤ 280		
H [m]	≤ 68		
p [bar]	≤ 16		
T [°C]	≥ -30 - ≤ +350		
Data for 50 Hz operation Also available for 60 Hz			

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

Etaline SYT



DN	32 - 100	Description Single-stage volute casing pump in in-line design, with magnetless KSB SuPremE motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 and PumpDrive variable speed system; pump shaft and motor shaft are rigidly connected. ATEX-compliant version available. Applications Heat transfer systems, high-temperature hot water recirculation	
Q [m³/h]	≤ 316		
H [m]	≤ 69		
p [bar]	≤ 16		
T [°C]	≥ -30 - ≤ +350		
Data for 50 Hz operation Also available for 60 Hz			

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

Standardised chemical pumps

MegaCPK



DN	25 - 250	Description Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to DIN EN ISO 5199, dimensions to DIN EN ISO 2858, complemented by nominal diameters DN25 and ≥DN200, in large range of material and seal variants; also available as a variant with "wet" shaft and conical seal chamber. ATEX-compliant version available. Applications Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical and petrochemical industries, in refineries, power stations and desalination plants as well as in the food industry and general industry.	
Q [m³/h]	≤ 3300		
H [m]	≤ 162		
p [bar]	≤ 40		
T [°C]	≥ -40 - ≤ +400		
Data for 50 Hz operation Also available for 60 Hz			

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

CPKN



DN	400	Description Horizontal radially split volute casing pump in back pull-out design, with radial impeller, single-entry, single-stage, to ISO 2858 / ISO 5199. Also available as a variant with "wet" shaft, conical seal chamber and/or semi-open impeller. ATEX-compliant version available. Applications Pumping aggressive, toxic, explosive, valuable, flammable, malodorous or harmful liquids in the chemical and petrochemical industries, in refineries, power stations and desalination plants as well as in the food industry and general industry.	
Q [m³/h]	≤ 4150		
H [m]	≤ 185		
p [bar]	≤ 25		
T [°C]	≥ -40 - ≤ +400		
Data for 50 Hz operation Also available for 60 Hz			

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

CPKNO



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

Data for 50 Hz operation
Also available for 60 Hz

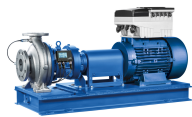
Description
Horizontal volute casing pump in back pull-out design, with semi-open impeller, single-stage, to ISO 2858 / ISO 5199. ATEX-compliant version available.

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



Seal-less pumps

Magnochem



DN25 - 250

Q [m³/h]≤ 1160

H [m]≤ 162

p [bar]≤ 40

T [°C]≥ -90 - ≤ +400

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Magnochem 685



DN25 - 250

Q [m³/h]≤ 1160

H [m]≤ 162

p [bar]≤ 40

T [°C]≥ -90 - ≤ +350

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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





Magnochem-Bloc



DN25 - 160

Q [m³/h]≤ 625

H [m]≤ 162

p [bar]≤ 40

T [°C]≥ -20 - ≤ +200

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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



Etaseco



DN32 - 80

Q [m³/h]≤ 250

H [m]≤ 100

p [bar]≤ 16

T [°C]≥ -40 - ≤ +140

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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



Etaseco RVP



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

Process pumps

RPH



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

Data for 50 Hz operation
Also available for 60 Hz

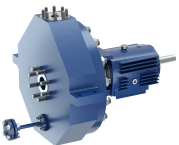
Description
Horizontal radially split volute casing pump in back pull-out design, to API 610, ISO 13709 (heavy duty), type OH2, single-stage, with single-suction radial impeller and centreline pump feet; with inducer if required. ATEX-compliant version available.

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



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

RPH-LF



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

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

RPHb / RPHd / RPHbd



DN	40 - 400
Q [m³/h]	≤ 5100
H [m]	≤ 680
p [bar]	≤ 100
T [°C]	≥ -80 - ≤ +450

Data for 50 Hz operation
Also available for 60 Hz

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

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



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

RPH-V



DN2 / DN3

Q [m³/h]

H [m]

p [bar]

T [°C]

25 - 80 / 40 - 150

≤ 150

≤ 240

≤ 35

≥ -30 - ≤ +274

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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



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

CHTR



DN

Q [m³/h]

H [m]

p [bar]

T [°C]

n [rpm]

50 - 300

≤ 1450

≤ 4000

≤ 400

≥ -60 - ≤ +450

≤ 7000

Data for 50 Hz operation

Also available for 60 Hz

Higher ratings possible upon request

Description

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

Applications

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



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

CHTRa



DN

Q [m³/h]

H [m]

p [bar]

T [°C]

n [rpm]

80 - 300

≤ 1200

≤ 1550

≤ 155

≥ -40 - ≤ +205

≤ 6000

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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



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

CINCP / CINCN



DN

Q [m³/h]

H [m]

p [bar]

T [°C]

n [rpm]

32 - 200

≤ 780

≤ 105

≤ 10

≥ -10 - ≤ +100

≤ 3000

Data for 50 Hz operation

Also available for 60 Hz

Description

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

Applications

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



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

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

INVCP



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/l22A>

Estigia



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● KSB SuPremE, PumpDrive, Frequency inverter

<https://www.ksb.com/en-gb/lc/l20A>

RWCP / RWCN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

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

WKTR



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



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

Rainwater harvesting systems

HyaRain 2 Plus



Q [m³/h]	≤ 3,6
H [m]	≤ 45
p [bar]	≤ 6
T [°C]	≥ +2 - ≤ +35
Data for 50 Hz operation	

Description
Ready-to-connect package rainwater harvesting system in protective housing with automatic mains water back-up function if the rainwater storage tank is empty, with integrated dry running protection, demand-driven automatic pump control and freely programmable intervals for water change in mains water storage tank. Also with analog level measurement in rainwater storage tank and integrated alarm relay.

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



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

HyaRain 2



Q [m³/h]	≤ 3,6
H [m]	≤ 45
p [bar]	≤ 6
T [°C]	≥ +2 - ≤ +35
Data for 50 Hz operation	

Description
Basic ready-to-connect package rainwater harvesting system with automatic mains water back-up function if the rainwater storage tank is empty, with integrated dry running protection, demand-driven automatic pump control and freely programmable intervals for water change in mains water storage tank.

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



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

Domestic water supply / swimming pool pumps

MultiEco



Rp	1 - 11/4
Q [m³/h]	≤ 4,2
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800
Data for 50 Hz operation	

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

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



 **Controlmatic, Cervomatic**

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

MultiEco Pro



Rp	1 - 11/4
Q [m³/h]	≤ 4,2
H [m]	≤ 54
p [bar]	≤ 10
T [°C]	≥ +4 - ≤ +50
n [rpm]	≤ 2800
Data for 50 Hz operation	

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

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



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

MultiEco Top



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

Data for 50 Hz operation

Description
Multistage self-priming centrifugal pump in close-coupled design incl. accumulator with replaceable membrane in drinking water quality, total volume 20 or 50 litres, pressure switch for automatic pump operation and 1.5-metre power cable with plug.

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



<https://www.ksb.com/en-gb/lc/M19A>

Ixo N



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

Data for 50 Hz operation

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

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



● ● Control unit, Cervomatic

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

Ixo Pro



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

Data for 50 Hz operation

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

Applications
Rainwater harvesting, pressure boosting, water extraction, irrigation systems



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

Filtra N



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

Data for 50 Hz operation

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

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



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

Pressure booster systems

DeltaMacro



Rp11/2
Q [m³/h]≤ 960
H [m]≤ 154
p [bar]≤ 16
T [°C]≥ 0 - ≤ +60

Data for 50 Hz operation

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

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



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

DeltaCompact



Rp1 / 11/2
Q [m³/h]≤ 18
H [m]≤ 55
p [bar]≤ 10
T [°C]≥ 0 - ≤ +40

Data for 50 Hz operation

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

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



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

DeltaBasic



Rp11/2
Q [m³/h]≤ 88
H [m]≤ 134
p [bar]≤ 16
T [°C]≥ 0 - ≤ +60

Data for 50 Hz operation

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

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



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

DeltaPrimo



Rp11/2
Q [m³/h]≤ 88
H [m]≤ 134
p [bar]≤ 16
T [°C]≥ 0 - ≤ +60

Data for 50 Hz operation

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

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



<https://www.ksb.com/en-gb/lc/D08A>

DeltaSolo



Rp	1 1/4
Q [m³/h]	≤ 76
H [m]	≤ 145
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +60
Data for 50 Hz operation	

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

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



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

DeltaSolo D



Rp	1
DN	100
Q [m³/h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

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

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



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

HyaSolo 2 D FL



Rp	1
DN	100
Q [m³/h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

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

Applications
Fire-fighting systems to DIN 14462



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

HyaDuo 2 D FL



Rp	2
DN	150
Q [m³/h]	≤ 110
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ 0 - ≤ +70
Data for 50 Hz operation	

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

Applications
Fire-fighting systems to DIN 14462

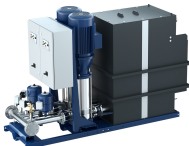


<https://www.ksb.com/en-gb/lc/H44B>

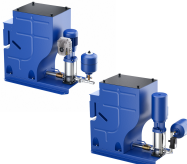
HyaSolo 2 D FL Compact

	DN	50 - 80	Description Compact, fully automatic and ready-to-connect break tank package booster set for fire-fighting applications to DIN 14462:2023-07, modular design, comprising a single-pump system and a break tank for the hygienic separation of drinking water and fire-fighting water, mounted on the same base frame. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation. Applications Break tank package booster set for fire fighting to DIN 14462	
	Q [m³/h]	≤ 36		
	H [m]	≤ 160		
	p [bar]	≤ 16		
	T [°C]	≥ 0 - ≤ +30		
Data for 50 Hz operation				
https://www.ksb.com/en-gb/lc/H45B				

HyaDuo 2 D FL Compact

	DN	50 - 80	Description Compact, fully automatic and ready-to-connect break tank package booster set for fire-fighting applications to DIN 14462:2023-07, modular design, comprising a dual-pump system with redundant function and a break tank for the hygienic separation of drinking water and fire-fighting water, mounted on separable base frames. The system is started and stopped as a function of pressure. The system is monitored for lack of water to protect the pumps against dry running. A functional check run is carried out daily to ensure reliable pump operation. Applications Break tank package booster set for fire fighting to DIN 14462	
	Q [m³/h]	≤ 36		
	H [m]	≤ 160		
	p [bar]	≤ 16		
	T [°C]	≥ 0 - ≤ +30		
Data for 50 Hz operation				
https://www.ksb.com/en-gb/lc/H46B				

KSB Safety Boost

	DN	32	Description	
	Q [m³/h]	≤ 7	Ready-to-connect break tank package booster set for drinking water to DIN	
	H [m]	≤ 75	EN 1717 (type AB) for the safe separation of drinking water and liquids of	
	p [bar]	≤ 10	category 5	
	T [°C]	≥ 0 - ≤ +30	Applications	
	Data for 50 Hz operation		Troughs, rainwater harvesting systems, car washes, supply lines in waste water treatment plants, funeral parlours with hydro-aspirators, public pools, food processing plants, laundries, butchers, dental surgeries and pathological facilities	
https://www.ksb.com/en-gb/lc/SA2A				

Booster KSB ECO Plus and ECO

	Q [m³/h]	≤ 170	Description Fully automatic variable speed pressure booster system, frequency inverter per pump, assembled without manifolds (manifolds are optional). Applications Pressure boosting
	H [m]	≤ 200	
	T [°C]	≤ +60	
	Data for 50 Hz operation Also available for 60 Hz		

Drainage pumps / grey water pumps

AmaDrainer 4/5



Rp	1 1/2 - 2	Description Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 7 m.	
Q [m³/h]	≤ 50		
H [m]	≤ 24		
T [°C]	≥ 0 - ≤ +40		
Data for 50 Hz operation Also available for 60 Hz		Applications Automatic drainage of pits, shafts, yards and cellars at risk of flooding, lowering of surface water levels, drainage, drainage of underground passages, water extraction from rivers and reservoirs.	

● Control unit, LevelControl

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

AmaDrainer 80/100



Rp	2 1/2	Description Vertical single-stage fully floodable submersible motor pump in close-coupled design, IP68, with or without level control, max. immersion depth: 10 m.	
DN	100		
Q [m³/h]	≤ 130		
H [m]	≤ 26		
T [°C]	≥ 0 - ≤ +50	Applications Automatic drainage of pits, shafts, yards and cellars at risk of flooding, lowering of surface water levels, drainage, drainage of underground passages, water extraction from rivers and reservoirs.	
Data for 50 Hz operation Also available for 60 Hz			

● Control unit, LevelControl

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

AmaPorter



DN	50 - 80	Description Vertical single-stage submersible motor pump (grey cast iron) for waste water in close-coupled design for wet installation, stationary or transportable version.	
Q [m³/h]	≤ 127,1		
H [m]	≤ 36,9		
T [°C]	≤ +40		
Data for 50 Hz operation		Applications For handling untreated waste water with low levels of solids concentration and rainwater in intermittent operation and for sump drainage	

● Control unit, LevelControl

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

Rotex



Rp	1 1/4 - 2	Description Vertical single-stage centrifugal pump with discharge to the top and parallel with the pump shaft, pump base designed to act as suction strainer. Pump and motor are rigidly connected by a support column. Supplied ready to be plugged in, with 1.5-metre power cable and level switch.	
Q [m³/h]	≤ 24		
H [m]	≤ 14		
T [°C]	≥ 0 - ≤ +90		
n [rpm]	≤ 2900	Applications Automatic drainage of buildings, pits and tanks, lowering of surface water levels and drainage.	
Installation depth [m]	≤ 1,7		
Data for 50 Hz operation			

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

MK / MKY



Rp	2	Description Vertical submersible pump with three-channel impeller, volute casing designed as inlet strainer. Applications Pumping condensate and heat transfer fluids below boiling point, condensate return systems, primary and secondary heating circuits, for direct installation in heating tanks or heat exchangers in the secondary circuits of heat transfer systems (MKY).	
DN	50		
Q [m³/h]	≤ 36		
H [m]	≤ 19		
T [°C]	≥ -10 - ≤ +200		
n [rpm]	≤ 3500		
Installation depth [m]	≤ 2,8		

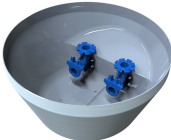
Data for 50 Hz operation
Also available for 60 Hz

● Control unit, LevelControl

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

Lifting units / package pump stations

Amaclean



Ø [mm]	1000 - 1800	Description Self-cleaning tank insert for grouted installation in new concrete structures or in concrete structures in need of refurbishment. Designed to prevent soiling of the structure and clogging of the pumps by heavily waste or fibre loaded waste water. Suitable for pump stations emitting unpleasant odours and/or gases. Applications Waste water disposal, rainwater disposal	
DN	50 - 100		
Installation depth [m]	4,5 - 9,0		

●

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

AmaDrainer Box Mini



DN	40	Description Reliable and compact grey water lifting unit in a modern design with activated carbon filter meeting hygiene requirements and with shower connection as standard; complies with EN 12050-2. Applications Automatic disposal of waste water from washbasins, showers, washing machines and dishwashers. Use a MiniCompacta sewage lifting unit for handling waste water from urinals and toilets.	
Q [m³/h]	≤ 10		
H [m]	≤ 6,5		
T [°C]	≤ +50		

Data for 50 Hz operation

●

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

AmaDrainer Box



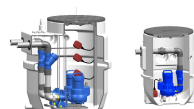
DN	40 - 50	Description Stable above-floor plastic collecting tank or impact-resistant underfloor plastic collecting tank, with floor drain and odour trap, both with AmaDrainer submersible motor pump starting and stopping automatically and swing check valve Applications Automatic disposal of waste water from washbasins, showers, washing machines, garage driveways, basements and rooms prone to flooding	
Q [m³/h]	≤ 46		
H [m]	≤ 24		
T [°C]	≤ +40		

Data for 50 Hz operation
Also available for 60 Hz

●

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

Evamatic-Box N



DN	50 - 65
Q [m³/h]	≤ 40
H [m]	≤ 21
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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


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

MiniCompacta



DN	32 - 100
Q [m³/h]	≤ 36
H [m]	≤ 25
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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


<https://www.ksb.com/en-gb/lc/MO9B>

Compacta



DN	80 - 100
Q [m³/h]	≤ 145
H [m]	≤ 24,5
T [°C]	≤ +40

Data for 50 Hz operation

Description

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

Applications

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


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

CK 800 Pump Station



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

Data for 50 Hz operation

Description

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

Applications

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


<https://www.ksb.com/en-gb/lc/CO5A>

CK 1000 Pump Station



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

Data for 50 Hz operation

Description

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

Applications

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


<https://www.ksb.com/en-gb/lc/CO5A>

AmaPorter CK Pump Station

	DN	50 - 65	Description Single-pump station / dual-pump station as ready-to-connect package system, with PE-LLD (polyethylene) collecting tank for buried installation. Equipped with either one or two submersible grey water pumps of type AmaPorter (non-explosion-proof). Tank design to DIN 1986-100 and EN 752/ EN 476.	
	Q [m³/h]	≤ 40		
	H [m]	≤ 16		
	T [°C]	≤ +40	Applications Drainage of buildings and premises, waste water disposal, premises renovation, joint sewage disposal for multiple residential units, pumped drainage	
Data for 50 Hz operation				
https://www.ksb.com/en-gb/lc/C05A				

Amaflow Dry

	DN	65 - 150	Description Package pump station with tank made of glass fibre reinforced polyester, equipped with two dry-installed Sewabloc pumps with a rating of 2.2 to 30 kW, integrated valves and a control unit with frequency inverters. Pump operation is adjusted in line with flow rate demand, thus minimising energy costs. This maintenance-friendly pump station prevents intermediate storage of waste water and the related odour nuisance.	
	Q [m³/h]	≤ 280		
	H [m]	≤ 50		
	T [°C]	≤ +40	Applications Joint disposal of domestic, municipal and industrial waste water to the sewer system / waste water treatment plant	
Data for 50 Hz operation				
https://www.ksb.com/en-gb/lc/S93A				

SRA

	DN	50 - 100	Description	
	Q [m³/h]	≤ 138	Dual-pump station as ready-to-connect package system, with collecting tank made of GFRP for buried installation	
	H [m]	≤ 75	Applications	
	T [°C]	≤ +40	Site remediation, disposal of domestic, municipal and industrial waste water, joint sewage disposal for multiple residential units	
Data for 50 Hz operation Also available for 60 Hz				
AmaControl, LevelControl https://www.ksb.com/en-gb/lc/S90A				

Submersible motor pumps

Amarex

	DN	50 - 150	Description Vertical single-stage submersible motor pump for wet installation, with vortex impeller (F-max) or open dual-vane impeller (D-max), stationary or transportable version. Single-stage, single-entry close-coupled pump sets which are not self-priming. ATEX-compliant version available.	
	Q [m³/h]	≤ 320		
	H [m]	≤ 42		
	T [°C]	≤ +40		
Data for 50 Hz operation Also available for 60 Hz				
Applications Waste water transport, waste water management, drainage systems, waste water treatment plants, stormwater transport, recirculation, sludge treatment				
 Control unit, LevelControl				
https://www.ksb.com/en-gb/lc/A31B				

Amarex NS

	DN	32 - 50	Description Vertical single-stage submersible motor pump for wet installation, with cutter (S), stationary or transportable version. Amarex N pumps are floodable, single-stage, single-entry close-coupled pump sets which are not self-priming. ATEX-compliant version available. Applications Pumping waste water, especially untreated waste water containing long fibres and solid substances, liquids containing gas or air, and raw, activated and digested sludge; dewatering and water extraction, drainage of rooms and areas at risk of flooding.	
	Q [m³/h]	≤ 22		
	H [m]	≤ 49		
	T [°C]	≤ +40		
Data for 50 Hz operation Also available for 60 Hz				
				
https://www.ksb.com/en-gb/lc/A31A				

AmaRex Pro

	DN	80 - 150	Description Intelligent, vertical submersible motor pump set for wet installation, single-stage, with open two-vane impeller (D-max), IE5 motor and integrated functions such as automatic clogging detection and deragging. Applications Waste water transport, waste water management, drainage systems, waste water treatment plants, stormwater transport, recirculation, sludge treatment	
	Q [m³/h]	≤ 300		
	H [m]	≤ 35		
	T [°C]	≤ +40		
Data for 50 Hz operation Also available for 60 Hz				
 Control unit, LevelControl https://www.ksb.com/en-gb/lc/A26A				

Amarex KRT

	DN	40 - 700	Description Horizontal or vertical single-stage submersible motor pump in close-coupled design, with various next-generation impeller types, for wet or dry installation, stationary or transportable version, with energy-saving motor and models for use in potentially explosive atmospheres. Applications Pumping all types of waste water in water and waste water management, seawater desalination and industry, especially untreated waste water containing long fibres and solid substances, liquids containing gas or air, and raw, activated and digested sludge.	
	Q [m³/h]	≤ 10080		
	H [m]	≤ 120		
	T [°C]	≤ +60		
	n [rpm]	≤ 2900		
Data for 50 Hz operation Also available for 60 Hz				
PumpDrive, AmaControl, LevelControl			https://www.ksb.com/en-gb/lc/A30B	

Submersible pumps in discharge tubes

AmaCan K

	DN	700 - 1400	Description Wet-installed submersible motor pump for installation in discharge tubes, with channel impeller, single-stage, single-entry. ATEX-compliant version available. Applications Handling pre-cleaned chemically neutral grey water, industrial effluent and waste water, fluids not containing any stringy substances, pre-treated by screens or overflow sills; as waste water, combined sewage and activated sludge pumps in waste water treatment plants, irrigation and drainage pumping stations.	
	Q [m³/h]	≤ 5400		
	H [m]	≤ 30		
	T [°C]	≥ 0 - ≤ +40		
	n [rpm]	≤ 980		
Data for 50 Hz operation Also available for 60 Hz				
AmaControl https://www.ksb.com/en-gb/lc/A05A				

AmaCan P

	DN	500 - 1500	Description Wet-installed submersible motor pump for installation in discharge tubes, with axial propeller in ECB design, single-stage, single-entry. ATEX-compliant version available. Applications Irrigation and drainage pumping stations, for stormwater transport in stormwater pumping stations, raw and clean water transport in water and waste water treatment plants, cooling water transport in power stations and industrial plants, industrial water supply, water pollution control and flood control, aquaculture.	
	Q [m³/h]	≤ 25200		
	H [m]	≤ 12		
	T [°C]	≥ 0 - ≤ +40		
	n [rpm]	≤ 1450		
Data for 50 Hz operation Also available for 60 Hz				
AmaControl https://www.ksb.com/en-gb/lc/A28A				

AmaCan S

	DN	650 - 1300	Description Wet-installed submersible motor pump for installation in discharge tubes, with mixed flow impeller, single-stage. ATEX-compliant version available. Applications Pumping water not containing stringy material in irrigation and drainage pumping stations, general water supply systems, water pollution control and flood control.	
	Q [m³/h]	≤ 10800		
	H [m]	≤ 40		
	T [°C]	≥ 0 - ≤ +40		
	n [rpm]	≤ 1450		
Data for 50 Hz operation Also available for 60 Hz				
AmaControl https://www.ksb.com/en-gb/lc/A29A				

AmaCan D

	DN	600 - 1000	Description Wet-installed submersible motor pump for installation in discharge tubes, with open, mixed-flow multi-vane impeller, single-stage, ATEX-compliant version available. Applications In irrigation and drainage pumping stations, rainwater pumps, raw and clean water pumps in water works and waste water treatment plants. Cooling water pumps in power stations and industry, industrial water supply, mechanically pre-treated waste water, water pollution control, flood control and aquaculture	
	Q [m³/h]	≤ 8000		
	H [m]	≤ 29		
	T [°C]	≥ 0 - ≤ +40		
	n [rpm]	≤ 1450		
Data for 50 Hz operation Also available for 60 Hz				
PumpDrive, AmaControl https://www.ksb.com/en-gb/lc/A43A				

Mixers / agitators / tank cleaning units

AmaProp



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

Also available for 60 Hz

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

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





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

Amamix



Propeller Ø [mm] 200 - 600
T [°C] ≥ 0 - ≤ +40
Installation depth [m] ≤ 30

Data for 50 Hz operation
Also available for 60 Hz

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

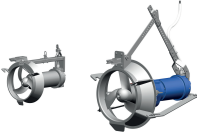
Applications
Handling municipal and industrial waste water and sludges as well as applications in environmental engineering.





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

Amaline



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

Data for 50 Hz operation
Also available for 60 Hz

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

Applications
Recirculating activated sludge in waste water treatment systems.





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

Pumps for solids-laden fluids

Sewatec



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive, AmaControl, LevelControl

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

Sewatec SPN



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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

Sewabloc



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive, LevelControl

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

KWP



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

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive

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

KWP-Bloc



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

Data for 50 Hz operation
Also available for 60 Hz

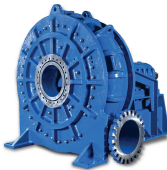
Description
Horizontal or vertical radially split close-coupled volute casing pump, single-stage, single-entry, available with various impeller types: closed multi-channel impeller, open multi-vane impeller and vortex impeller.

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



Slurry pumps

WBC

	Q [m³/h]	≤ 16200	Description Patented design with state-of-the-art hydraulic system and highly wear-resistant materials for high-pressure applications. The pump casing is designed to withstand maximum stresses, e.g. during pressure surges. Applications Ideal for the single-stage or multistage transport of ore and tailings over long distances and for dredging.	
	H [m]	≤ 80		
	p [bar]	≤ 32		
	T [°C]	≥ -20 - ≤ +120		
	https://www.ksb.com/en-gb/lc/W09A			

LSA

	Q [m³/h]	≤ 25000	Description Rugged pump with casing, impeller and liners in proprietary GIW Gasite® material, recognised worldwide for superior abrasion resistance. Several impeller options available for fine-tuning pump performance to customers' pumping needs. The options provide optimum wear life and sustained efficiency. Applications Widely used in ore transport, mill discharge, cyclone feed, tailings and plant processes. Also used for environmental clean-up, dewatering, pulp and paper, food processes, coke and resin pumping, and ash handling.	
	H [m]	≤ 105		
	p [bar]	≤ 50		
	T [°C]	≥ -40 - ≤ +120		
	https://www.ksb.com/en-gb/lc/L14A			

LCC-H

	Q [m³/h]	≤ 2990	Description The LCC-H is a high-efficiency slurry pump ideal for heavy-duty applications. The wetted pump end (casing, impeller, suction liner) is made of high chrome white iron. The LCC-H wet end parts feature thicker cross sections than the LCC-M. This provides increased wear life and allows for use in applications that require a higher pressure rating. The suction liner and suction plate are separate components for greater savings on maintenance cycles. All pumps are rated for 16 bar MAWP. Ideal for Class 2-3 slurries. Applications Sand and gravel, plant processes, mineral processing, secondary grinding, tailings (single-stage/multistage), chemical slurry service, coal preparation	
	H [m]	≤ 73		
	p [bar]	≤ 16		
	T [°C]	≤ +120		
	https://www.ksb.com/en-gb/lc/L18A			

LCC-M

	Q [m³/h]	≤ 3675	Description The LCC-M is a high-efficiency slurry pump with excellent wear characteristics over a broad operating range. The wetted pump end (casing, impeller, suction plate/liner) is made of high chrome white iron. The design is optimised to permit easy dismantling and reassembly for maintenance and inspection. MAWP ranges from 8 to 16 bar depending upon size. Ideal for Class 1-2 slurries. Applications Sand and gravel, plant processes, mineral processing, secondary grinding, tailings (single-stage/multistage), chemical slurry service, coal preparation	
	H [m]	≤ 105		
	p [bar]	≤ 16		
	T [°C]	≤ +120		
	https://www.ksb.com/en-gb/lc/L13A			

LCC-R



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

Description

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

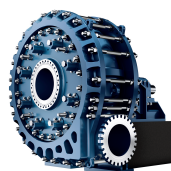
Applications

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



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

TBC



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

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/T08A>

LCV



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

Description

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

Applications

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



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

MHD



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

Description

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

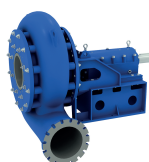
Applications

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



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

LHD



Q [m³/h]	≤ 15001
H [m]	≤ 53
p [bar]	≤ 11
T [°C]	≥ -40 - ≤ +120

Description

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

Applications

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



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

MDX

	Q [m³/h]	≤ 18500	Description Low specific speed pump with deep base circle casing, standard adjustable suction liner with diverter and oversize shroud impeller with diverter, designed for Service Class 3 and 4 applications.	
	H [m]	≤ 55		
	p [bar]	≤ 10		
	T [°C]	≥ -40 - ≤ +120		
			Applications SAG, rod and ball mill discharge duties, cyclone and screen feed, and single-stage tailings.	

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

ZW

	Q [m³/h]	≤ 573	Description Double-suction vertical cantilever pump with no submerged bearings. Exclusive top and bottom suction for high-concentration pumpability and maximum clearing of pump. Wetted pump-end wear parts (casing, impeller, hub plate / liner) made of high-chrome white cast iron for excellent wear characteristics. Ideal for transporting class 1 and class 2 slurries.	
	H [m]	≤ 60		
	p [bar]	≤ 10		
	T [°C]	≥ -40 - ≤ +120		
			Applications Particularly suitable for industrial processes and wash-down sump pump applications.	

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

HVF

	Q [m³/h]	≤ 5725	Description A high-efficiency pump that has been specially developed for handling air entrained slurries. The design features a patented impeller and a venting chamber that removes the air contained in the fluid handled from the impeller eye, preventing blockage and reducing downtime. The wetted pump end (casing, impeller and suction plate / liner) is made of white cast iron with a high chromium content. This increases the service life of the components. Urethane is also available as a material. Maximum allowable working pressures range from 8 to 11.5 bar, depending on the pump size. Perfectly suited for transporting fluids containing hardly to slightly abrasive solids. Ideal for sludges, classes 1 to 2.	
	H [m]	≤ 50		
	p [bar]	≤ 11,5		
	T [°C]	≤ +120		
			Applications Froth pumping applications in mineral processing where conventional centrifugal pumps would be blocked by air bubbles.	

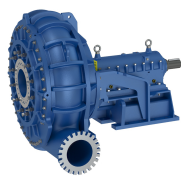
<https://www.ksb.com/en-gb/lc/HA4A>

DWD

	Q [m³/h]	≤ 24000	Description A high-efficiency, heavy-duty, double-wall pump designed specifically for dredge applications requiring large solids passage and low NPSHR. The internal components (replaceable wear-resistant casing, side liners and curved-vane impeller) are made of high-chrome white iron. While the internal wear parts handle abrasive slurries, the outer casing acts as the high pressure containment component for safety. Designed primarily for use in ocean going vessels, the DWD dredge pump is a robust design, built to withstand the world's most aggressive dredge applications.	
	H [m]	≤ 90		
	p [bar]	≤ 45		
	T [°C]	≥ -20 - ≤ +120		
			Applications Inboard and underwater pumps for cutter suction dredges (CSD) and trailing suction hopper dredges (TSHD).	

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

TDW



Q [m³/h]	≤ 10500
H [m]	≤ 105
p [bar]	≤ 21
T [°C]	≥ -20 - ≤ +120

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

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



Self-priming pumps

Etaprime L

	DN	25 - 125	Description Horizontal self-priming volute casing pump, single-stage, with open multi-vane impeller, from size 40-40-140 with bearing bracket, in back pull-out design, ATEX-compliant version available.	
	Q [m³/h]	≤ 180		
H [m]	≤ 85	Applications Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, fire-fighting systems, drawdown of groundwater levels, domestic water supply, air-conditioning systems, cooling circuits, swimming pools, water supply systems.		
p [bar]	≤ 10			
T [°C]	≥ -30 - ≤ +90			
H _{geo} [m]	≤ 9			
Data for 50 Hz operation Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/E25B				

Etaprime B

	DN	25 - 100	Description Horizontal self-priming volute casing pump, single-stage, with open multi-vane impeller, close-coupled; pump shaft and motor shaft rigidly connected; ATEX-compliant version available.	
	Q [m³/h]	≤ 130		
H [m]	≤ 70	Applications Pumping clean, contaminated or aggressive fluids not containing abrasive substances and solids. For use in spray irrigation systems, service water systems, drainage, dewatering systems, fire-fighting systems, drawdown of groundwater levels, domestic water supply, air-conditioning systems, cooling circuits, swimming pools, water supply systems.		
p [bar]	≤ 10			
T [°C]	≥ -30 - ≤ +90			
H _{geo} [m]	≤ 9			
Data for 50 Hz operation Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/EB1B				

EZ-B/L

	DN	25 - 50	Description	
	Q [m³/h]	≤ 21	Self-priming multistage liquid ring pump in close-coupled (EZ B) or long-coupled (EZ L) design, with mechanical seal.	
	H [m]	≤ 160	Applications	
	p [bar]	≤ 16	Boiler feed, sanitary high-temperature hot water, hydrophore systems for fresh or seawater and fresh water pre-heating.	
	T [°C]	≥ -5 - ≤ +80		
	n [rpm]	≤ 1500		
Data for 50 Hz operation				
Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/E34A				
https://www.ksb.com/en-gb/lc/E35A				

AU

	DN	40 - 200	Description Horizontal self-priming centrifugal pump, open or semi-open impeller, adjusted via wear plate, with mechanical seal, ATEX-compliant version available.	
	Q [m³/h]	≤ 600		
H [m]	≤ 52	Applications Pumping clean, contaminated and aggressive fluids also containing solids. In fresh water and seawater circuits, fire-fighting applications, as ballast and bilge pumps, and for drainage and waste water applications.		
p [bar]	≤ 10			
T [°C]	≥ -10 - ≤ +80			
Data for 50 Hz operation Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/A93A				

AU Monobloc



DN	40 - 50	Description Horizontal self-priming centrifugal pump in close-coupled design, open or semi-open impeller, adjusted via wear plate, with mechanical seal, driven by electric motors or internal combustion engines; ATEX-compliant version available. Applications Pumping clean, contaminated and aggressive fluids also containing solids. In fresh water and seawater circuits, fire-fighting applications, as ballast and bilge pumps, and for drainage and waste water applications.	
Q [m³/h]	≤ 53		
H [m]	≤ 37		
p [bar]	≤ 10		
T [°C]	≥ -10 - ≤ +80		
Data for 50 Hz operation Also available for 60 Hz			

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

Submersible borehole pumps

UPA C 100 EE



DN	100	Description Multistage centrifugal pump in ring-section design made of stainless steel sheet for well diameters of 100 mm (4 inches) and above, available with single-phase AC motor or three-phase motor with motor lead. Applications Domestic water supply, general irrigation and spray irrigation, drawdown of groundwater levels, in fire-fighting systems, cooling circuits, fountains, pressure booster systems and air-conditioning systems. UPA C 100 EE is also suitable for drinking water applications to ACS.	
Q [m³/h]	≤ 18		
H [m]	≤ 600		
T [°C]	≤ +30		
Data for 50 Hz operation Also available for 60 Hz			

 Control unit, Cervomatic, UPA Control <https://www.ksb.com/en-gb/lc/U04A>

UPA C 150



DN	150	Description Single-stage or multistage centrifugal pump in ring-section design made of stainless steel sheet, suitable for vertical or horizontal installation, for well diameters of 150 mm (6 inches) and above. Applications Spray irrigation systems, general irrigation systems, drawdown of groundwater levels, domestic water supply, fountains, heat pump systems, water supply systems	
Q [m³/h]	≤ 79		
H [m]	≤ 440		
T [°C]	≤ +50		
Data for 50 Hz operation Also available for 60 Hz			

 PumpDrive, KSB UMA-S <https://www.ksb.com/en-gb/lc/U16A>

UPA S 200, UPA S 250



DN	200 - 250	Description Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation, made of precision (investment) cast stainless steel. High wear resistance and maximum pump efficiency. Sizes between 8 and 10 inches. Optionally available with lift check valve or connection nozzle. Optionally available with asynchronous or permanent magnet synchronous motors KSB UMA and UMA S. Variable speed operation with KSB PumpDrive R frequency inverter. Other accessories such as voltage filter, extension cable, cooling/suction/pressure shroud available in various versions. Applications Pumping clean or slightly contaminated water in general water supply, spray irrigation and general irrigation, drawdown and maintenance of groundwater levels, fountains and pressure booster systems, mining, fire-fighting systems, emergency water supply, etc.	 
Q [m³/h]	≤ 340		
H [m]	≤ 390		
T [°C]	≤ +50		
Data for 50 Hz operation Also available for 60 Hz			

 PumpDrive, KSB UMA-S <https://www.ksb.com/en-gb/lc/U19A>
<https://www.ksb.com/en-gb/lc/U17A>

UPA 200 - UPA 350

	DN	200 - 350	Description Single-stage or multistage single-entry centrifugal pump in ring-section design, sand cast, for vertical or horizontal installation. Optionally available with lift check valve or connection nozzle. Sizes between 8 and 14 inches. Certified for sprinkler installations to VdS and drinking water applications to ACS.	
	Q [m³/h]	≤ 840		
	H [m]	≤ 480		
	T [°C]	≤ +50		
	Data for 50 Hz operation Also available for 60 Hz			
				
				
				

 **PumpDrive, KSB UMA-S**

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

UPA 400 - UPA 1100

	DN	> 400	Description Single-stage or multistage single-entry centrifugal pump in ring-section design for vertical or horizontal installation. Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.
	Q [m³/h]	≤ 5000	
	H [m]	≤ 300	
	T [°C]	≤ +50	
	Data for 50 Hz operation Also available for 60 Hz		

UPA D

	DN	> 400	Description Multistage double-entry centrifugal pump in ring-section design for vertical or horizontal installation. Applications Pumping clean or slightly contaminated water, seawater, liquefied gases and oils in water supply, offshore and cavern applications and in groundwater management.
	Q [m³/h]	≤ 5000	
	H [m]	≤ 1500	
	T [°C]	≤ +50	
	Data for 50 Hz operation Also available for 60 Hz		

Vertical turbine pumps

B Pump



DN	80 - 500
Q [m³/h]	≤ 2600
H [m]	≤ 160
p [bar]	≤ 16
T [°C]	≥ -10 - ≤ +105
n [rpm]	≤ 3000

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

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

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



High-pressure pumps

Comeo

	Rp	1 - 11/4	Description Multistage horizontal centrifugal pump in close-coupled design		
	Q [m³/h]	≤ 10,8			
	H [m]	≤ 79,5			Applications Water supply, small pressure booster systems, irrigation, cooling
	p [bar]	≤ 10			
T [°C]	≥ -10 - ≤ +60				
n [rpm]	≤ 2900				
Data for 50 Hz operation Also available for 60 Hz					
Frequency inverter https://www.ksb.com/en-gb/lc/C11A					

Movitec H(S)I

	Rp	11/4 - 2	Description Multistage horizontal high-pressure centrifugal pump, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.	
	Q [m³/h]	≤ 27		
	H [m]	≤ 195		
	p [bar]	≤ 25		
	T [°C]	≥ -20 - ≤ +140		
	n [rpm]	≤ 2900		
Data for 50 Hz operation Also available for 60 Hz			Applications Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.	
● KSB SuPremE, PumpDrive, PumpMeter			https://www.ksb.com/en-gb/lc/MO6A	

Movitec

	Rp	1 - 2	Description Multistage vertical high-pressure centrifugal pump in ring-section design with suction and discharge nozzles of identical nominal diameters arranged opposite to each other (in-line design), close-coupled, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors. Motor mounting points in accordance with EN 50347, envelope dimensions in accordance with DIN V 42673 (07-2011). ATEX-compliant version available. Applications Spray irrigation, general irrigation, washing, water treatment, fire-fighting and pressure booster systems, hot water and cooling water recirculation, boiler feed systems, etc.	
	DN	25 - 125		
	Q [m³/h]	≤ 160		
	H [m]	≤ 401		
	p [bar]	≤ 40		
	T [°C]	≥ -20 - ≤ +140		
	n [rpm]	≤ 2900		
Data for 50 Hz operation Also available for 60 Hz				
KSB SuPremE, PumpDrive, PumpMeter https://www.ksb.com/en-gb/lc/M12A				

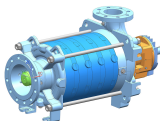
Movitec VCI

	Rp	11/4 - 2	Description Multistage vertical high-pressure immersion pump for installation on tanks or platforms, driven by IE3 motor as standard. Optional with KSB SuPremE, a magnetless synchronous reluctance motor (exception: motor sizes 0.55 kW / 0.75 kW with 1500 rpm are designed with permanent magnets) of efficiency class IE4/IE5 to IEC TS 60034-30-2:2016, for operation on a KSB PumpDrive 2 or KSB PumpDrive 2 Eco variable speed system without rotor position sensors.	
	Q [m³/h]	≤ 22,5		
H [m]	≤ 249	Applications Machine tools, industrial machine systems, condensate transport, paint shops.		
p [bar]	≤ 25			
T [°C]	≥ -10 - ≤ +120			
n [rpm]	≤ 2900			
Data for 50 Hz operation Also available for 60 Hz				
KSB SuPremE, PumpDrive https://www.ksb.com/en-gb/lc/M94A				

Multitec

	DN	32 - 250	Description Multistage horizontal or vertical centrifugal pump in ring-section design, long-coupled or close-coupled, with axial or radial suction nozzle, cast radial impellers and motor-mounted variable speed system. ATEX-compliant version available. Applications Water supply, drinking water supply, industry, pressure boosting, irrigation, power stations, heating systems, filtering systems, fire-fighting systems, reverse osmosis systems, snow-making systems and washing plants, and geothermal systems (re-injection of geothermal water into the aquifer).	
	Q [m³/h]	≤ 1500		
	H [m]	≤ 1000		
	p [bar]	≤ 100		
	T [°C]	≥ -10 - ≤ +200		
	n [rpm]	≤ 3500		
● KSB SuPremE, PumpDrive, PumpMeter			https://www.ksb.com/en-gb/lc/M07A	

MultiTec Plus

	DN	150	Description Best-in-class, highly efficient multistage pump in ring-section design, for horizontal or vertical installation, long-coupled or close-coupled, with axial or radial suction nozzle, cast radial impellers, and motor-mounted variable speed system. Applications Drinking water supply	
	Q [m³/h]	≤ 500		
	H [m]	≤ 220		
	p [bar]	≤ 25		
	T [°C]	≥ 0 - ≤ +60		
	n [rpm]	≤ 2400		
● KSB SuPremE, PumpDrive, PumpMeter			https://www.ksb.com/en-gb/lc/MC7A https://www.ksb.com/en-gb/lc/MC8A	

WKL 2

	DN	32 - 150	Description Multistage horizontal centrifugal pump in ring-section design, with radial suction nozzle and closed radial impellers. Applications Transport of raw water and drinking water, applications in industry, pressure boosting, irrigation, sprinkler systems, drainage, etc.	
	Q [m³/h]	≤ 450		
	H [m]	≤ 400		
	p [bar]	≤ 40		
	T [°C]	≥ -10 - ≤ +140		
	n [rpm]	≤ 3500		
●			https://www.ksb.com/en-gb/lc/W15B	

Hydrobloc MC

	DN	2 - 12	Description Multistage pump for horizontal installation, with suction and discharge casing in grey cast iron, with impeller and diffuser made of punched and welded stainless steel.	
	Q [m³/h]	≤ 16		
	H [m]	≤ 80		
	T [°C]	≤ +90		
	Data for 50 Hz operation Also available for 60 Hz			Applications Water supply, pressure booster systems, building services, industrial plants, fire-fighting systems

Axially split pumps

Omega



DN80 - 400

Q [m³/h]≤ 4400

H [m]≤ 210

p [bar]≤ 25

T [°C]≥ 0 - ≤ +140

n [rpm]≤ 2900

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● PumpDrive, PumpMeter, Frequency inverter

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

RDLO



DN350 - 900

Q [m³/h]≤ 18000

H [m]≤ 300

p [bar]≤ 30

T [°C]≥ 0 - ≤ +140

n [rpm]≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

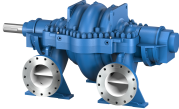
Pumping water with a low solids content, e.g. in waterworks, irrigation and drainage pumping stations, extraction duties in desalination systems, power stations, fire-fighting systems, shipbuilding, district heating or cooling.



● PumpMeter, Frequency inverter

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

RDLP



DN350 - 1200

Q [m³/h]≤ 20000

H [m]≤ 550

p [bar]≤ 64

T [°C]≥ 0 - ≤ +80

n [rpm]≤ 1450

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

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



● Frequency inverter

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

Hygienic pumps

Vitachrom



DN50 - 125

Q [m³/h]≤ 340

H [m]≤ 100

p [bar]≤ 12

T [°C]≥ -30 - ≤ +110

Data for 50 Hz operation
Also available for 60 Hz

Description

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

Applications

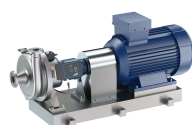
Hygienic handling of fluids in the food, beverage and pharmaceutical industries as well as in the chemical industry.



● KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast



DN	32 - 200
Q [m³/h]	≤ 540
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -20 - ≤ +140

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

Vitacast Bloc



DN	25 - 150
Q [m³/h]	≤ 340
H [m]	≤ 105
p [bar]	≤ 10
T [°C]	≥ -30 - ≤ +140

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive, PumpMeter

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

Vitaprime



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

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

Description

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

Applications

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



● KSB SuPremE, PumpDrive

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

Vitastage



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

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

Description

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

Applications

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



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

Vitalobe



DN 25 - 200

Q [m³/h] ≤ 342

H [m] ≤ 200

p [bar] ≤ 20

T [°C] ≥ -40 - ≤ +180

Viscosity [cP] ≤ 200000

Data for 50 Hz operation

Also available for 60 Hz

Other ratings possible on request

Description

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

Applications

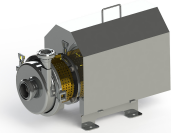
Hygienic and gentle handling of sensitive or high-viscosity fluids in the food, beverage and pharmaceutical industries, the chemical industry and general process engineering.



● KSB SuPremE, PumpDrive

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

Megachrom



DN 40 - 80

Q [m³/h] ≤ 70

H [m] ≤ 60

T [°C] ≤ +120

Data for 50 Hz operation

Also available for 60 Hz

Description

Centrifugal pump with circular casing, close-coupled design.

Applications

Food industry and beverages industry, pharmaceutical industry, chemical industry

●

Pumps for power station conventional islands

CHTC / CHTD



DN 100 - 700

Q [m³/h] ≤ 5700

H [m] ≤ 5400

p [bar] ≤ 560

T [°C] ≤ +270

n [rpm] ≤ 6750

Also available for 60 Hz

Higher ratings possible upon request

Description

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

Applications

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



<https://www.ksb.com/en-gb/lc/C04A>

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

HGB / HGC / HGD



DN 40 - 400

Q [m³/h] ≤ 2300

H [m] ≤ 5300

p [bar] ≤ 560

T [°C] ≤ +210

n [rpm] ≤ 7000

Also available for 60 Hz

Higher ratings possible upon request

Description

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

Applications

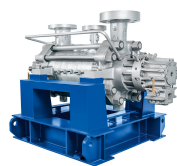
Pumping boiler feed water and condensate in power stations and industrial plants, waste incineration and biomass plants, in supercritical CO₂ applications, pumping gas turbine fuels, generating pressurised water for bark peeling and descaling units, snow guns, etc.



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

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

HGI



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

Also available for 60 Hz

Description

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

Applications

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


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

HGM / HGM-S



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

Also available for 60 Hz
Higher ratings possible upon request**Description**

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

Applications

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


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

YNK



DN	125 - 600
Q [m³/h]	≤ 5200
H [m]	≤ 540
p [bar]	≤ 100
T [°C]	≤ +250
n [rpm]	≤ 3300

Higher ratings possible upon request

Description

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

Applications

Pumping feed water in power stations and industrial plants.


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

LUVA



DN	100 - 550
Q [m³/h]	≤ 7000
H [m]	≤ 300
p [bar]	≤ 400
T [°C]	≤ +425
n [rpm]	≤ 3600

Data for 50 Hz operation
Also available for 60 Hz**Description**

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

Applications

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


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

WKTB



DN	150 - 300
Q [m³/h]	≤ 1500
H [m]	≤ 370
p [bar]	≤ 40
T [°C]	≤ +140
n [rpm]	1500

Data for 50 Hz operation
Also available for 60 Hz**Description**

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

Applications

Pumping condensate in power stations and industrial plants.


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

SEZ

	Q [m³/h]	≤ 65000	Description Vertical tubular casing pump with open mixed flow impeller, pump intake with inlet nozzle or suction elbow, pull-out design available, discharge nozzle arranged above- or underfloor, flanges to DIN or ANSI standards available.	
	H [m]	≤ 60		
	T [°C]	≤ +40		
	n [rpm]	≤ 990	Applications Pumping raw water, pure water, service water and cooling water in industry, water supply systems, power stations and seawater desalination plants.	
Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/S10B				

SNW

	DN	350 - 800	Description Vertical tubular casing pump with mixed flow impeller, single-stage, with maintenance-free Residur bearings, discharge nozzle arranged above- or underfloor.	
	Q [m³/h]	≤ 6500		
	H [m]	≤ 60		
	p [bar]	≤ 10	Applications Irrigation and drainage, stormwater pumping stations, for raw water and pure water, water supply, cooling water.	
	T [°C]	≤ +60		
	n [rpm]	≤ 1500		
Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/S14A				

PNW

	DN	350 - 800	Description Vertical tubular casing pump with axial propeller, single-stage, with maintenance-free Residur bearings, discharge nozzle arranged above or below floor level.	
	Q [m³/h]	≤ 9000		
	H [m]	≤ 10		
	p [bar]	≤ 10	Applications Irrigation and drainage, stormwater pumping stations, for raw water and pure water, water supply, cooling water.	
	T [°C]	≤ +60		
	n [rpm]	≤ 1500		
Data for 50 Hz operation Also available for 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/PO2A				

SPY

	DN	350 - 1200	Description Long-coupled volute casing pump, single-stage, in back pull-out design.	
	Q [m³/h]	≤ 21600		
	H [m]	≤ 50		
	p [bar]	≤ 10		
	T [°C]	≤ +105		
n [rpm]	≤ 1480	Applications Irrigation, drainage and water supply systems, for pumping condensate, cooling water, service water, etc.		
Data for 50 Hz operation				
Also available for 60 Hz				
Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/S15A				

Pumps for nuclear power stations

RER

	DN	≤ 800	Description Vertical single-stage reactor coolant pump with forged circular casing plated on the inside, with diffuser, either with integrated pump thrust bearing or shaft supported by motor bearing.	
	Q [m³/h]	≤ 40000		
	H [m]	≤ 140		
	p [bar]	≤ 175		
	T [°C]	≤ +350		
	n [rpm]	≤ 1800		
Available for 50 Hz and 60 Hz Higher ratings possible upon request			Applications Reactor coolant recirculation in nuclear power stations.	
https://www.ksb.com/en-gb/lc/R10A				

RSR

	DN	≤ 750	Description Vertical single-stage reactor coolant pump with cast or forged casing, shaft supported by motor bearing.	
	Q [m³/h]	≤ 24000		
	H [m]	≤ 215	Applications Reactor coolant recirculation in nuclear power stations.	
	p [bar]	≤ 175		
	T [°C]	≤ +350		
	n [rpm]	≤ 1800		
Available for 50 Hz and 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/R07A				

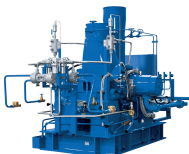
RUV

	DN	≤ 650	Description Vertical single-stage reactor coolant pump. Seal-less design with integrated wet rotor motor and integrated flywheel. Product-lubricated bearings, no oil supply systems required.	
	Q [m³/h]	≤ 22000		
	H [m]	≤ 111		
	p [bar]	≤ 155		
	T [°C]	≤ +350		
	n [rpm]	≤ 1800		
Available for 50 Hz and 60 Hz Higher ratings possible upon request			Applications Reactor coolant recirculation in generation III+ nuclear power stations.	
https://www.ksb.com/en-gb/lc/R42A				

PSR

	DN	≤ 600	Description Vertical pump set integrated in the reactor containment floor, seal-less pump with leak-free, low-maintenance wet rotor motor.	
	Q [m³/h]	≤ 9000		
	H [m]	≤ 45		
	p [bar]	≤ 75	Applications Reactor coolant recirculation in boiling water reactors.	
	T [°C]	≤ +300		
	n [rpm]	≤ 2000		
Available for 50 Hz and 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/P01A				

RHD

	DN	125 - 500	Description Horizontal single-stage double-entry main feed water pump MFWP, cast or forged variant.	
	Q [m³/h]	≤ 6500		
	H [m]	≤ 1000		
	p [bar]	≤ 150	Applications Main feed water supply (MFWS) in steam generation systems of nuclear power stations.	
	T [°C]	≤ +210		
	n [rpm]	≤ 6500		
Available for 50 Hz and 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/R25A				

LUVm

	DN	40 - 600	Description	
	Q [m³/h]	≤ 7000	Vertical pump with integrated motor, single-entry, single- to three-stage. Suitable for very high inlet pressures and temperatures. Integrated wet winding motor to VDE. Product-lubricated bearings, no oil supply systems required. Design to ASME Section 3, KTA, etc.	
	H [m]	≤ 300		
	p [bar]	≤ 320	Applications	
	T [°C]	≤ +430	As reactor water clean-up pump in boiling water reactors, reactor coolant pump in boiling water and pressurised water reactors and recirculation pump in test facilities.	
Data for 50 Hz operation Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/L25A				

RHM

	DN	≤ 150	Description	
	Q [m³/h]	≤ 300	Horizontal multistage barrel pull-out pump.	
	H [m]	≤ 2100	Applications	
	p [bar]	≤ 220	Core flooding, emergency cooling and residual heat removal systems,	
	T [°C]	≤ +180	chemical and volume control systems, control rod drive systems, high-	
	n [rpm]	≤ 8000	pressure and medium-pressure safety injection systems, emergency feed	
	Available for 50 Hz and 60 Hz			
	Higher ratings possible upon request			
https://www.ksb.com/en-gb/lc/R26A				

RVM

	DN	≤ 85	Description	
	Q [m³/h]	≤ 50	Vertical multistage barrel pull-out pump.	
H [m]	≤ 2000	Applications		
p [bar]	≤ 200	Core flooding, emergency cooling and residual heat removal systems,	chemical and volume control systems, high-pressure and medium-pressure safety injection systems.	
T [°C]	≤ +100			
n [rpm]	≤ 6000			
Available for 50 Hz and 60 Hz				
Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/R26A				

RHR

	DN	≤ 500	Description	
	Q [m³/h]	≤ 6000	Horizontal circular casing pump with forged or cast pressure enclosure and diffuser.	
	H [m]	≤ 190		
	p [bar]	≤ 63	Applications	
	T [°C]	≤ +200	Core flooding, emergency cooling and residual heat removal systems, ancillary systems, acid feed system and low-pressure injection system, cooling systems.	
	n [rpm]	≤ 3600		
Available for 50 Hz and 60 Hz				
https://www.ksb.com/en-gb/lc/R27A				

RVR

	DN	≤ 500	Description Vertical circular casing pump with forged or cast pressure enclosure and diffuser.	
	Q [m³/h]	≤ 6000		
	H [m]	≤ 190	Applications Core flooding, emergency cooling and residual heat removal systems, ancillary systems, acid feed system and low-pressure injection system, cooling systems.	
	p [bar]	≤ 63		
	T [°C]	≤ +200		
	n [rpm]	≤ 3600		
Available for 50 Hz and 60 Hz				
https://www.ksb.com/en-gb/lc/R27A				

RVT

	DN	≤ 350	Description Vertical multistage barrel pull-out pump with double-entry suction impeller and forged distributor casing.	
	Q [m³/h]	≤ 1100		
	H [m]	≤ 131	Applications Low-pressure injection systems, emergency feed water systems, emergency cooling and residual heat removal systems	
	p [bar]	≤ 30		
	T [°C]	≤ +160		
	n [rpm]	≤ 1485		
Available for 50 Hz and 60 Hz Higher ratings possible upon request				
https://www.ksb.com/en-gb/lc/R63A				

RTS

	DN	Technical data available on request.	Description Pump/turbine assembly, turbine drive (by external energy source, operates independently of other systems), horizontal, submersible, single-stage, withstands harsh conditions.	
	Q [m³/h]			
	H [m]		Applications Modernisation following the Fukushima accident: Long-term containment cooling, long-term heat dissipation after an accident	
	p [bar]			
	T [°C]			
	n [rpm]			
https://www.ksb.com/en-gb/lc/R89A				

Pumps for desalination by reverse osmosis

RPH-RO

	DN	100 - 350	Description Horizontal radially split volute casing pump for dry installation, made of super duplex stainless steel.	
	Q [m³/h]	≤ 2500		
	H [m]	≤ 110	Applications Booster pump for RO seawater desalination systems.	
	p [bar]	≤ 80		
	T [°C]	≤ +40		
Data for 50 Hz operation Also available for 60 Hz				
https://www.ksb.com/en-gb/lc/R54A				

Multitec-RO

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	50 - 150 ≤ 850 ≤ 1000 ≤ 100 ≥ -10 - ≤ +45 ≤ 3500	Description Horizontal or vertical multistage centrifugal pump in ring-section design. Axial or radial suction nozzle. Discharge nozzle can be turned in steps of 90°. Closed radial impellers. Made of duplex or super duplex stainless steel. Applications High-pressure pump for RO seawater desalination systems and geothermal systems (re-injection of geothermal water into the aquifer).
	Data for 50 Hz operation Also available for 60 Hz		


 KSB SuPremE, PumpDrive

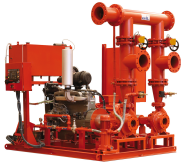
Positive displacement pumps

RC / RCV

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	20 - 100 ≤ 78 ≤ 100 ≤ 10 ≥ +5 - ≤ +80 ≤ 1500	Description Helical gear pump, self-priming, with bypass valve, close-coupled design, for horizontal installation with baseplate or vertical installation. With mechanical seal. Applications Fuel feed, handling fuel, lubricating oil and viscous fluids, lubrication systems.
	Data for 50 Hz operation Also available for 60 Hz		

Fire-fighting systems

FP Electro Diesel Set

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	32 - 300 ≤ 840 ≤ 140 ≤ 16 ≥ +5 - ≤ +50 ≤ 3000	Description Automatic fire-fighting systems consisting of a jockey pump and one or several duty pumps, with electric motor or diesel engine. Includes collecting line, valves, accessories as well as control panels. In accordance with EN 12845, CEA 4001, UNE-23500, NFPA-20, etc. Applications Office buildings, hotels, industry, large shopping centres, etc.
	Data for 50 Hz operation Also available for 60 Hz		



FP Diesel Unit / FP Electro Unit

	DN Q [m³/h] H [m] p [bar] T [°C] n [rpm]	32 - 350 ≤ 2500 ≤ 150 ≤ 25 ≥ +5 - ≤ +50 ≤ 3000	Description Automatic fire-fighting systems consisting of one pump, with electric or diesel motor and control panels. In accordance with EN 12845, CEA 4001, UNE-23500, NFPA-20, etc. Applications Office buildings, hotels, industry, large shopping centres, etc.
	Data for 50 Hz operation Also available for 60 Hz		



Control units

Controlmatic E



Number of pumps
V [V]

≤ 1
1~230

Description

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

Applications

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



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

Controlmatic E.2



Number of pumps
V [V]

≤ 1
1~230

Description

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

Applications

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



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

Cervomatic EDP.2



Number of pumps
V [V]

≤ 1
1~230 / 3~400

Description

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

Applications

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



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

LevelControl Basic 2



Number of pumps
P [kW]
V [V]

≤ 2
≤ 22
1~230 / 3~400

Available for higher ratings and other mains voltages on request.

Description

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

Applications

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



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

UPA Control



Number of pumps
P [kW]
V [V]

≤ 1
3
1~230 / 3~400

Description

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

Applications

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



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

Monitoring and diagnosis

AmaControl

	AmaControl connections	Spring-loaded terminals	Description Protection module for water and waste water products as all-in-one device. Depending on the variant, it can be used for motor temperature measurement, bearing temperature measurement, leakage measurement, vibration measurement, voltage measurement and current measurement as well as for diagnosing a pump, pump system or submersible mixer to ensure trouble-free and reliable operation. Applications In water and waste water engineering	
	Mounting	35 mm standard rail		
	T [°C]	AmaControl 3 / 4: ≥ -30 - ≤ +70 AmaControl L / X: ≥ -20 - ≤ +60		
	Dimensions H × W × D [mm]	AmaControl 3 / 4: 127×45×113 AmaControl L / X: 127×23×113		
	V [V]	AC 110-240 ± 10%		
	V [V]	AC/DC 24 ± 10%		

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