

► Our technology. Your success.

Pumps • Valves • Service



The reliability of all-in solutions: Building Services from KSB Australia



Expertise you can plan





Major projects also pose major planning challenges. Integrated solutions are therefore crucial to success and considerably simplify complex planning phases. At KSB Australia you get individual components for drainage, water supply and all heating and air-conditioning circuits as well as fully matched systems – highly efficient and from a single source.

For decades we have supported consultants with our experience and technical expertise. And we attach particular importance to always finding the right solution for the specific requirements of every project. We adjust our products to match your installation and its specific features and optimise the system with our comprehensive energy efficiency concept FluidFuture®.

But an all-in solution involves even more. Thus we not only use outstanding products to find the optimum solution for our customers, but also offer the matching engineering and service. Our Sales is there for you with expert advice – right from the outset.

Water supply



Movitec PumpDrive

High-pressure in-line pump with variable speed system

Applications

Pressure boosting, fire-fighting systems, cooling water circuits

Benefits

- High-pressure pump designed for high industry standards
- Very versatile with large range of sizes, pressure classes and materials
- Flexible connection variants: round flange, oval flange, external thread, Victaulic coupling, tri-clamp coupling
- Easy to combine with a PumpDrive variable speed system for automatically controlled operation and energy savings; compatible with most common field bus systems, easy to connect to process control systems

Technical data

DN:	25–100
Q m ³ /h:	max. 113
H m:	max. 380



Hyamat SVP

Pressure booster system with KSB SuPremE® motor

Applications

Pressure boosting in the water supply of commercial buildings, industrial plants, water supply systems

Benefits

- Fully automatic pressure booster system, approved for drinking water, with automatic pump changeover
- Energy-efficient: automatic output adjustment and equal distribution of pump load, which minimises pressure fluctuations
- Highly reliable: monitoring of sensors and daily operation check run
- Most convenient: compact, low-noise design, ready to connect
- Large variety of operation and fault message options meeting advanced requirements of process control systems
- Fitted with a KSB SuPremE® motor the unit meets the IE5* requirements, already today

Technical data

DN:	50–150
Q m ³ /h:	max. 660
H m:	max. 160 m
Height:	max. 2000 mm



Hya-Duo D FL Compact

Fire-fighting system

Applications

Fire-fighting systems

Benefits

- Convenient: compact dimensions of 800 x 1800 mm max., system ready to connect, modular design
- Highly reliable: pressure switches are continuously monitored for broken wires and short circuit; dry running protection is disabled in the event of a fire; master switch and valves are secured against unauthorised activation; daily operation check run increases operating reliability
- Integrated inlet tank

Technical data

DN:	50–80
Q m ³ /h:	max. 55
H m:	max. 150
Height:	max. 1800 mm



Hya-Solo D/DV

Pressure booster system with KSB SuPremE® motor

Applications

Pressure boosting in the water supply of residential and office buildings, on commercial premises and in industrial plants

Benefits

- Fully automatic pressure booster system, approved for drinking water
- Highly reliable: monitoring of sensors and daily operation check run
- Space-saving: compact design
- Ready to connect: saves time and costs
- Fitted with a KSB SuPremE® motor the unit meets the IES* requirements, already today.
- Low-noise operation

Technical data

DN:	25–100
Q m³/h:	max. 110
H m:	max. 160
Height:	max. 1822 mm



Hya-Eco VP

Pressure booster system with automatic pump changeover

Applications

Pressure boosting in the water supply of commercial buildings, industrial plants, residential and office buildings

Benefits

- Energy-efficient: automatic output adjustment and equal distribution of pump load
- Highly reliable: monitoring of sensors and daily operation check run
- Large variety of operation and fault message options

Technical data

DN:	50/80
Q m³/h:	max. 70
H m:	max. 110
Height:	max. 1260 mm



UPA 150C

Submersible borehole pump

Applications

Domestic water supply, pumping clean or slightly contaminated water

Benefits

- Low maintenance
- High-grade materials for high operating reliability and long service life
- Broad application range: in 4" wells, pump sumps, water tanks and open waters
- Easy to install/remove: all connecting elements are made of stainless CrNiMo steel

Technical data

DN:	32/50
Q m³/h:	max. 79/16
H m:	max. 570/300
Diameter:	147/96 mm

* IES in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW: IES in preparation)



Etanorm PumpDrive

Standardised close-coupled pump
with KSB SuPremE® motor

Applications

Irrigation, water supply systems

Benefits

- Suitable for all common fluids and applications with a large range of material variants
- Trimmed impeller diameter for optimum efficiency
- Fitted with a KSB SuPremE® motor and PumpDrive the pump set meets the IE5* requirements, already today

Technical data

DN:	25–150
Q m³/h:	max. 640 (50 Hz), max. 740 (60 Hz)
H m:	max. 160 (50 Hz/60 Hz)
P bar:	max. 16
T °C :	–30 to +140

Recommended valves



BOA-Super Compact



BOA-Compact



BOA-Control IMS



BOA-H
(grey cast iron/
nodular cast iron)



Serie 2000



BOAX-S/-SF



DANAIS



BOA-S

* IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW
(only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW,
3 kW, 4 kW; IE5 in preparation)

The selection software **KSBBase Consult** *Building* – Planning assistance online and up to date

Pumps and valves from KSB just a click away: The KSBBase Consult Building selection program allows you to quickly and easily find the right pump and valve for your system. The new KSBBase Consult Building selection program guides you through the entire planning process, with all relevant data, graphs, calculations and typical tenders. Our selection software allows you to find the right pump and valve – quickly and easily.

www.ksb.com/ksbase-consult



FluidFuture®: the energy-saving concept for your system

Many systems do run reliably but they also use a lot more power than necessary. The solution: efficiency optimisation with FluidFuture® in four steps. We look at the entire hydraulic system to achieve maximum energy efficiency throughout the life cycle. The optimisation costs will pay for themselves within a short period through the high energy savings that can be made.

The process and its four steps are clearly defined – based on extensive expertise and experience. This systematic and targeted approach ensures maximum savings at minimum costs. Perfectly matching the hydraulic system, drive and automation products as well as the piping dimensions can result in savings of up to 60%.

We reduce the operating costs of your system by combining our expert knowledge with smart products and services. This is our joint contribution towards an energy-efficient future.

More on FluidFuture®:
www.ksb.com/fluidfuture



System analysis

- Creating transparency
- Determining the load profile

Selection

- Defining the system structure
- Selecting components

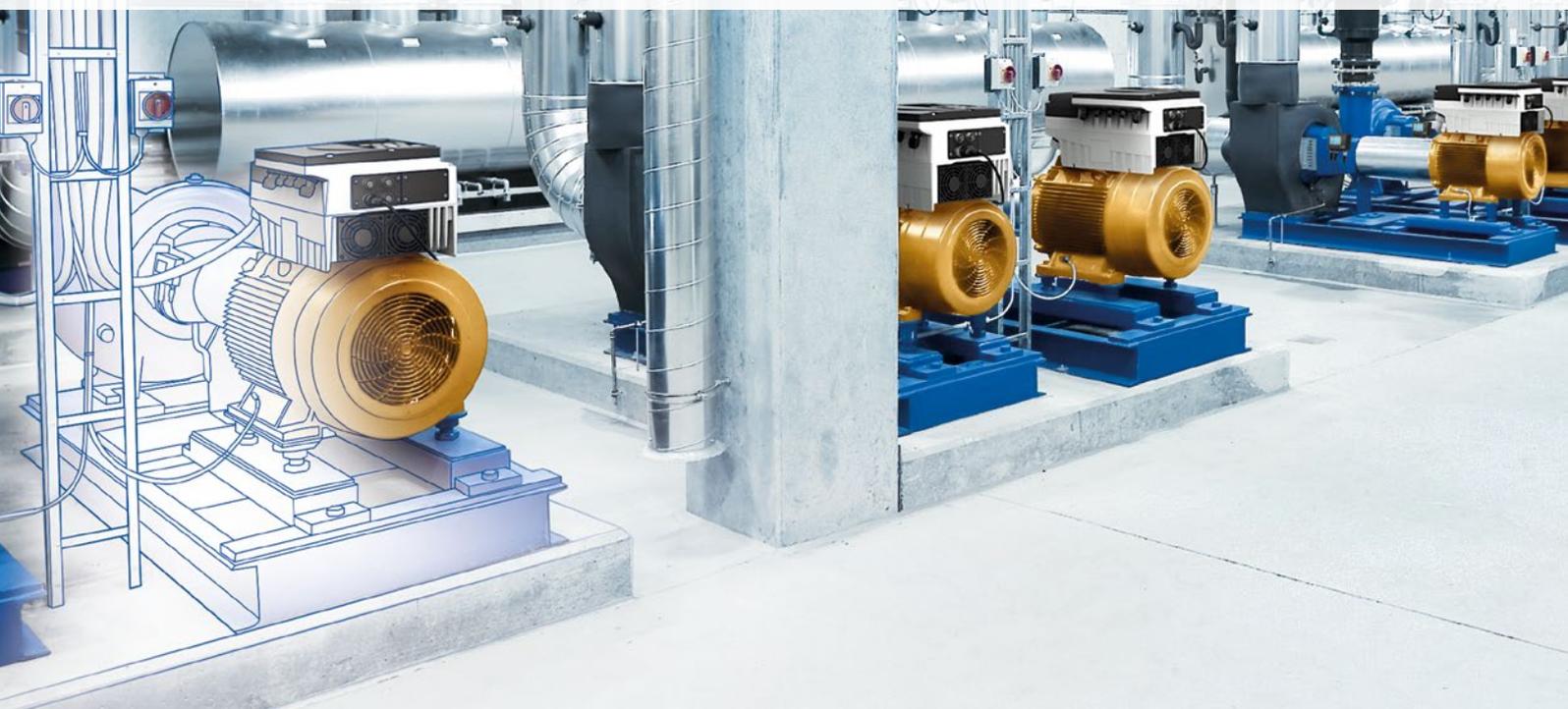
Commissioning

- Expert installation
- Professional commissioning

Highly efficient operation

- Intelligent pump technology
- Continuous monitoring

ENERGY-EFFICIENT PRODUCTS AND SERVICES



Key products and services at a glance



KSB Sonolyzer® App

The free KSB Sonolyzer® app is the quickest and easiest way to identify savings potentials and avoid unnecessary measurements.

- The app analyses the motor sound of fixed-speed asynchronous motors to identify whether the operating point is inside or outside of the part-load range
- A detailed efficiency analysis is only conducted where economically viable

www.ksb.com/sonolyzer

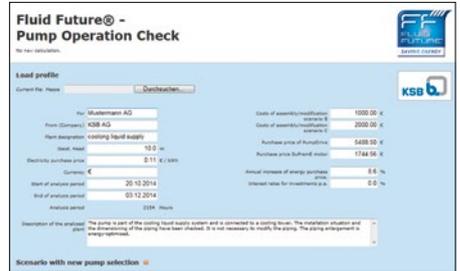


PumpMeter

The intelligent PumpMeter pump monitoring unit continually measures the operating point of your pump and indicates whether energy can be saved.

- Complete transparency of the operating point
- The savings potential is always shown on the display

www.ksb.com/pumpmeter



Pump Operation Check

The efficiency analysis of single-pump applications is conducted using Pump Operation Check and PumpMeter.

- KSB experts use PumpMeter to record the exact operating data without intervening in the operating process
- The load profile forms the basis for the efficiency analysis and is the starting point for making specific recommendations for action

www.ksb.com/poc



System Effizienz Service®

The SES System Efficiency Service serves to analyse the energy efficiency of complex systems.

- Comprehensive measurement with a data logger offers a detailed insight into the operation of the entire pump system
- An as-is analysis is created based on the pump and system data: a good basis on which to make decisions for further optimisation

www.ksb.com/ses



KSB SuPremE®

The KSB SuPremE® IE5* pump motor is the world's most efficient magnet-less pump motor and the best solution for a variable operating point.

- The magnet-less synchronous reluctance motors make it possible to save as much energy as possible in the part-load range
- There is no risk of demagnetisation, and the energy efficiency is at least as high as that of permanent magnet synchronous motors

www.none-more-efficient.com



PumpDrive

The PumpDrive variable speed system continuously matches the pump input power to the actual demand of the system.

- This demand-driven operation ensures energy-efficient, reliable operation of the pump
- PumpDrive offers multiple-pump operation, characteristic curve control, flow rate estimation and many other functions

www.ksb.com/pumpdrive



References for KSB Building Services projects in **Australia**

KSB Australia proudly supplied the following projects

Project	Scope of Supply	Customer	Location	Application
University of Melbourne Law Building	7 x Etanorm	Allstaff Air Conditioning	VIC	Chilled + Condenser Water
RMIT Thermal Reticulation + Expansion	10 x Etanorm	A G Coombs	VIC	Hot + Chilled Water
300 George Street	34 x MegaCPK, Movitec	Ellis Air Conditioning	QLD	Chilled, Hot, Condenser
Calvary Hospital	21 x Etanorm	Allstaff Air Conditioning	SA	Chilled, Hot, Condenser
Jewel highrise, Gold Coast	16 x MegaCPK	Ellis Air Conditioning	QLD	Chilled, Hot, Condenser
NorthWest Rail Link (NWRL)	10 x Etabloc	Fredon Industries	NSW	Mechanical Services
309-321 Kent Street Refurbishment	10 x Etanorm	Grosvenor Engineering Group	NSW	Mechanical Services
Health Innovations Building	18 x Etanorm	OConnors Services	SA	Chilled, Hot, Condenser
Gateway Shopping Centre	9 x Etablocs	Mobile Electrics	NT	Chilled + Condenser Water
Northern Territory Museum	7 x Etablocs	FRM Electrics	NT	Chilled + Condenser Water

Visit KSB Australia's digital product catalogue for further information on any of our product range - including Type Series Booklets, Installation guides, curves and product information.

products.ksb.com/en-au/



KSB Australia's range of pumps for Building Services includes a standardised ISO pump in the MegaCPK type series.



We keep you **on track for success** - whatever the challenge

KSB Australia's service engineers and technicians are professionals - trained to cater to the diverse needs of the customer whether in the workshop or on-site. Beyond the specialisation of servicing and maintaining KSB pumps, KSB service employees have the expertise and qualifications to service, repair and maintain all types and brands of pumps and pumping equipment.

Service from a single source

KSB Australia's dedicated contacts are at your disposal to assist with pumps and valves from all manufacturers and will gladly coordinate your servicing and maintenance needs. When pumps and valves are repaired, KSB records history files with all servicing and maintenance work.

Highly qualified KSB service engineers are available 24 hours a day. Even if repairs are needed at short notice or in the event of unscheduled downtimes of pumps and motors, they are ready and can be onsite at your call. Inspection services from KSB Australia are optimally tailored to customer needs.

KSB maintenance inspection management

With fixed prices for repair and servicing, KSB offers clear and straightforward maintenance management. This means the maintenance costs for a system can be reliably calculated in advance. Thanks to precise planning and preparation, downtimes during repairs and maintenance are kept to a minimum.

To ensure rapid replacement of work and failed components, KSB Australia carries an extensive stock of spare parts. We have them when you need them.

KSB's service concept and its benefits

- Optimised system availability
- Variable maintenance costs to match actual needs
- Predictable maintenance costs thanks to fixed prices
- Reduced energy consumption
- Low life cycle costs
- Standardisation



In times of emergency or outage, KSB Australia's 24hr emergency Service line is prepared to provide prompt and efficient solutions.



Technology that **makes its mark**

Spare parts hotline

Tel: 1300 KSB SPARES
1300 572 772

KSB emergency after hours service

Tel: 1300 301 356

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