

KSB News

Newsletter for KSB customers and partners in Indonesia



KSB HELPS PumpSelection for selecting water and waste water pumps

Digitalization is described by the increase speed and breadth of knowledge turnover within the economy as well as society through technology. The KSB HELPS PumpSelection software assists consultants, engineering contractors, and operators in selecting KSB water and waste water pumps.

KSB HELPS PumpSelection is a tried and tested yet newly redesigned piece of software for highly user-friendly pump selection. The selection tool helps consultants, engineering contractors, and operators to reliably select the best dry- and wet-installed water and waste water pumps for their application. KSB HELPS PumpSelection helps the user to quickly find the optimum pump for their system throughout the water cycle, from waste water disposal and waste water treatment through to water treatment and water distribution.

The process of selecting the right pump can be completed in just a few clicks. KSB HELPS PumpSelection finds suitable pumps and appropriate accessories to meet your specifications. Simply enter the duty point with flow rate and head – the software will do the rest.

The new version is available at your convenience by accessing this link:
<https://bit.ly/KSBHELPS>

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Management's note

It's a pleasure to share the last edition of KSB News Indonesia this year to get connected with you, our valuable customers and partners, on regular basis.

On this edition, we highlight our world-class product portfolio including MIL valves with the benefits of high capability and noise reduction to mention a few. We proudly support a geothermal plant in Dieng, Central Java, by supplying a vertical can-type ring-section pump, WKTB, strengthening our support on government initiative to increase significant source of renewable energy specifically geothermal energy power in Indonesia.

Working under the KSB SupremeServ brand name, provides engineering service includes installing and commissioning your equipment, reverse engineering, repairing, retrofitting, refurbishing, pump or package replacement, and many more, our dedicated team takes the concept of service to an entirely new level in Indonesia.

We are very thrilled to participate at Mining Indonesia 2022 showcasing the new dredger 3DP 200 as well as our best-in-class dewatering pump sets for mining applications on this exhibition.

We proudly inaugurated the expansion of our manufacturing facility and new SupremeServ workshop in Cibitung, Indonesia to emphasize KSB ongoing commitment to sustainable development with further detail that you would find on the upcoming newsletter.

I would also like to take this opportunity to let you know about my departure by end of this year to start another chapter at KSB Australia. I'm tremendously grateful and sincerely thank you for your support and partnership over the 7 years of wonderful journey in Indonesia.

As the end of the year draws near, wishing you a successful and prosperous New Year.



MIL Control valves

KSB pumps and valves not only meet the usual international quality standards, but also the higher internal standards the company imposes on itself including 41000 series heavy duty cage guided control valves are engineered for the most demanding applications in the industry, ranging from power generation to integrated petroleum and chemical processing plant and a host of other modern process industries, while MIL 21000, heavy duty top guided control valves are designed to handle fluids like air, water, steam, gas, oil, and other fluids having wide flow range requirements, in power plants and most suitable for handling viscous fluids in refineries and petrochemicals.

The hallmarks of exceptional service requirements of control valves are four-fold, high pressure drop capability with high capacity, tight shut-off, and high temperature capability. MIL 21000 and MIL 41000 are two of valves series that exhibit of those characteristics. These valve series are mostly in use in Indonesia.

Philippe Olivier
President Director
PT KSB Indonesia & PT KSB Sales Indonesia



KSB SupremeServ Reverse Engineering

Manufacturers can disappear from the markets, and parts can become difficult to obtain or no longer available. This is where KSB comes in with the ideal solution: reverse engineering at KSB means that spare parts can be reproduced quickly. The advantages of this KSB spare parts service are obvious: by reproducing turned and cast parts that are difficult to obtain or no longer available, KSB makes these components available again. This enables the continued operation of existing machines and eliminates the need for extensive modifications.

In the case of urgent need of a spare part to keep your system running or you may wish to replace parts with new components with an improved structural or hydraulic design or higher-grade materials, our service specialists are there to support you. Reverse engineering makes it possible to quickly reproduce pump spare parts that are hard to find or no longer available.

We are very thrilled to be appointed as Asia Pacific Hub when it comes to reverse engineering within the region. KSB SupremeServ Indonesia is your partner of choice for reverse engineering solutions – for pumps, valves, and other rotating equipment.

Please contact our 24/7 hotline service:
0811 940 2853 (Jakarta) and 0811 940 2547 (Kalimantan)
or drop us an email to: IDSupremeServ@ksb.com for further assistance.



KSB supports the government initiative in geothermal energy

Indonesia is one of the world's leading geothermal energy powers with an increasingly significant source of the renewable energy. According to the General Plan for National Energy (RUEN), Indonesia plans to reach 7.24 GW of geothermal power by 2025. Indonesia has identified more than 300 sites across islands, including Sumatra, Java, Nusa Tenggara, Sulawesi, and Maluku, for geothermal power development. With an estimated 24 GW in geothermal reserves, which account for 40% of the world's geothermal resources, Indonesia is set to accelerate geothermal power development to solve its energy issues.

The Dieng geothermal area located on the Dieng Plateau (about 2000 m high) in Central Java can accommodate about 400 MW of commercial viability. With this estimated capacity, additional units of up to four power plants can be accommodated. It's the first power unit with an installed capacity of 60 MW which has been in operation since 1998. In this project, the small-scale power plant was constructed with the

Contact our sales team for more information:

https://bit.ly/KSB_Kontak

Get more information about WKT B pumps:

https://bit.ly/KSB_WKT B



purpose to increase the installed capacity by 10 MW. The project owner is PT Geo Dipa Energi (Persero) (GDE), Indonesia's state-owned geothermal power company. GDE explores geothermal power plant development and distributes electrical energy to the electrical transmission interconnection networks. GDE has successfully operated geothermal plants (PLTP) with a total installed capacity of 120 MW, originating from PLTP Patuha Unit 1 60 MW and PLTP Dieng Unit 1 60 MW.

KSB has been trusted by GDE since 2012 through the supply of brine pumps including WKTB, WKB, and WKT. For PLTP Dieng unit 1 project, KSB has supplied a centrifugal dynamic pump, WKTB, with a capacity of 341 m³/h as brine transfer pump at the Dieng geothermal plant binary cycle.



KSB WKTB, vertical can-type ring-section pump, for application of pumping condensate in power stations and industrial plants with benefits including optimum adjustment to customer requirements, excellent rotor dynamic properties, high operating reliability, smooth running, and low installation as well as and maintenance costs, is ideally matched for this application.

We are proud to be part of the strategic project as part of government initiative to optimize geothermal energy, considered as renewable energy and environmental friendly, as an effort to reduce emissions and optimizing domestic natural energy resource in Indonesia.



Movitec **A versatile range of variants**

With its Movitec type series, KSB provides the right pump matching any requirement. Movitec impresses in any application, available in most diverse of needs and the right solution for any demand and requirement. This includes a wide range of sizes as well as installation and connection types. On top of all, you can choose the variety of seal and material options.

The multistage vertical high-pressure centrifugal pump is available for numerous applications. Starting from general industry, building services, chemical industry, food and beverage, cooling water supply, water treatment, irrigation, pharmaceutical industry, washing plants, marine application, fire-fighting and sprinkler system, pressure boosting, to boiler feed applications.

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Movitec pumps are available with a number of proven shaft seal designs and incorporate the material combination that best suit the fluid to be pumped, providing the safe, reliable and service-friendly handling of the most diverse of fluids, at temperatures from -20° C to +140° C. Movitec highlights its superior performance through the variety of materials that meet a wide range of requirements. For example, all Movitec variants operate reliably and exhibit a high level of resistance to corrosion – in a multitude of very different applications.

KSB's Movitec represents the optimum solution for the toughest requirements. As we are fully aware what matters in your everyday work, thus, we are committed to optimize our products accordingly. Movitec is designed for maximum availability and operating reliability with very low NPSH values to prevent system downtimes and pump failure to the extent possible and so to ensure lasting success for you.

With its high-performance hydraulic system and maximum efficiencies, Movitec plays an important role in saving energy. With the addition of size 125, the Movitec type series offers an optimal selection chart and thus high flexibility in applications. High flow rates of up to 160 m³/h can be handled safely and efficiently, providing the best efficiency to the market: 80 %. Approved by ACS and WRAS which proves its greatness for drinking water industry.

KSB Movitec emphasizes the competitive advantages including product reliability-product-lubricated plain bearings made of tungsten carbide, cast pump foot, torsion-resistant pump shroud and confined O-rings, long service life-corrosion-resistant hydraulic components made of stainless steel as well as easy to service that can be fitted with any standardized mechanical seal (to EN12756).

In Indonesia, 380 units of Movitec are mostly in use for the application of cooling water supply, pressure boosting, water treatment, fire-fighting, and heat steam generation. KSB continues to provide the state-of-the product portfolio by focusing on Movitec's sustainable development.

Find out more:
https://bit.ly/KSB_Movitec





KSB at Mining Expo 2022 Showcasing the new dredger

Few industries are as tough on pumps as mining. Safe and efficient operation in the mining industry require highly reliable and durable equipment. Over the past 15 years, KSB Indonesia has produced more than 500 Dewatering and Dredge (DnD) pump sets for operation in open pit mines, tailored to specific customer requirements and includes a flow meter to ensure accurate water measurements and an on-board tilt sensor to allow for automatic shutdown to protect bearings from dry runs.

Showcasing the new dredger 3DP 200 with a capacity of 700 m³/hr, head: 40m, and speed: 900rpm as well as dewatering pump sets for mining applications, we participated at Mining Indonesia 2022, the largest mining equipment exhibition in the region, on September 14-17, 2022, at JIEXPO Kemayoran. Gratitude to all visitors for taking the time to visit our booth. Kudos to all respective teams to make it happen.

Find out more about our comprehensive solutions for mining application: https://bit.ly/KSB_Mining

Quiz

Answer the following question and win the prize from KSB Indonesia:
Please mention KSB pump type installed at Dieng geothermal plant (PLTP) unit 1
Send your answer by January 27, 2023 via e-mail: IDmarcomm@ksb.com along with your address and phone number for the gift delivery. Get 5 units of exclusive KSB merchandises for 5 lucky winners.



Feedback

To improve this newsletter continually, please send your feedback and suggestions to IDmarcomm@ksb.com and get an attractive polo Shirt and exclusive KSB tumbler for 3 best feedbacks.



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