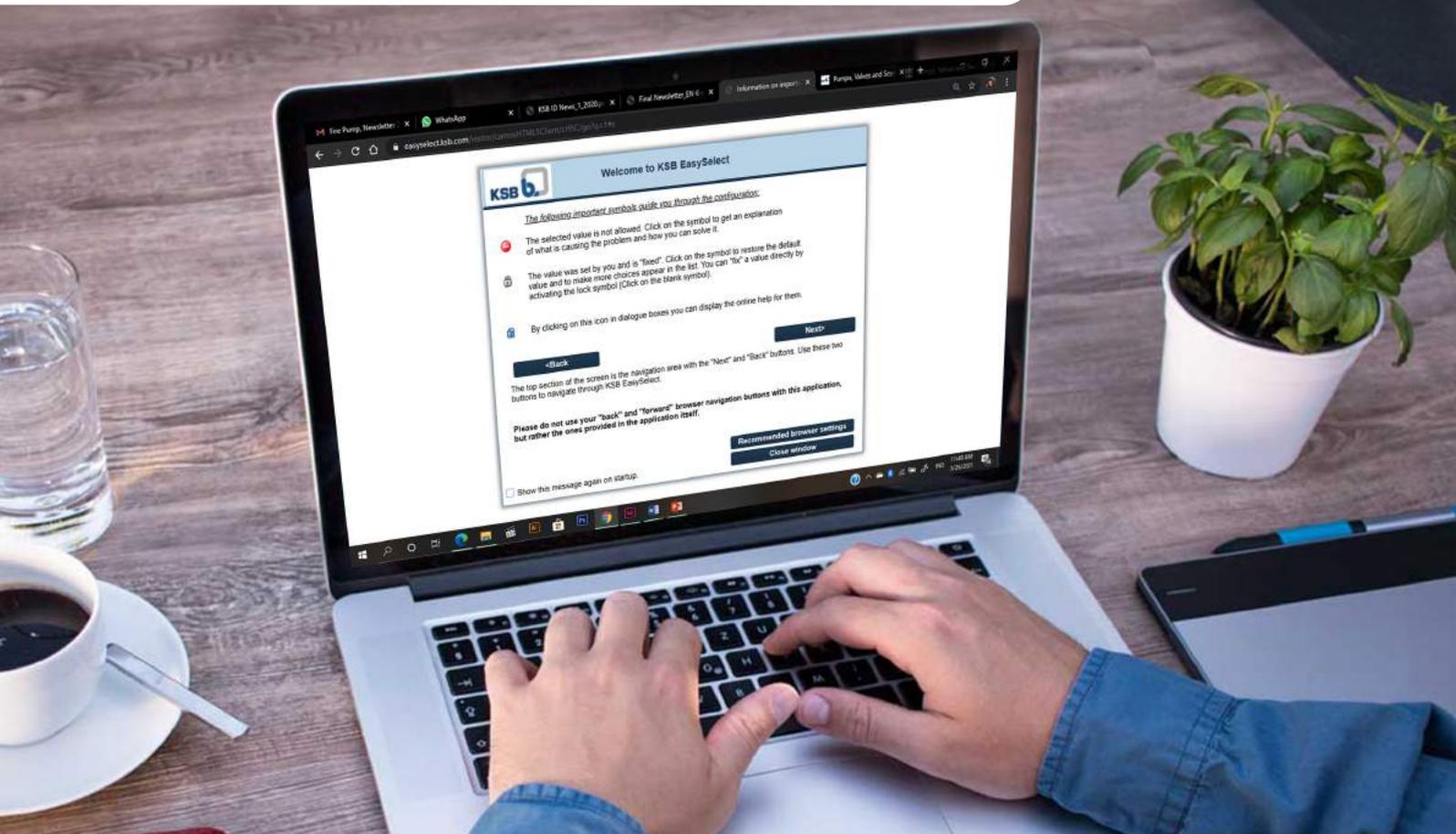


KSB News

Newsletter for KSB's customers and partners in Indonesia



KSB EasySelect® Selecting your pumps and valves correctly

Finding the optimal solution for any project would never be an issue. KSB EasySelect® is the comprehensive tool for all applications and can be used to select pumps and valves quickly and easily in a user-friendly configuration environment so that you can find the optimal solution for your projects. All that is required from you are the criteria for your project and a few minutes of your time. The tool will systematically guide you through KSB's comprehensive product range until you have found the right product for your application.

Regardless of whether you want to plan building services systems, select waste water pumps or manage your own personal project – we will provide you with a step-by-step approach to find the optimal solution for selecting KSB pumps and valves that are just right for you. The pump selection logic forms the basis for every system that works with pumps and valves and is a prerequisite for selecting the correct pump. Several criteria must be taken into account during the planning stages to ensure an ideal result.

The pump selection software from KSB allows you to specify the exact criteria that are relevant to your pump application. You don't have to make complex calculations as the software recommends most efficient selection that suit your needs. Benefits of the selection software including application-based product selection, intuitive, step-by-step navigation, comprehensive documentation, round-the-clock availability, and always up to date. Please share an email to ksbsales@ksb.com should you require further details.

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Management's note

This is KSB News 1st edition of the year and let me share with you the highlights of our newsletter including interesting articles of KSB SupremeServ supervision of installation and commissioning of flood control project, Vita series our hygienic pumps, KSB fire protection system and solution as well as webinar for petrochemical/chemical professional and collaboration webinar with water association (PERPAMSI).

We are proud to support one of national strategic projects (PSN/Proyek Strategis Nasional) which had been officially inaugurated by President Joko Widodo last month, by supplying pumps and a total of 376 unit of valves. We are also delighted to be chosen as fire-fighting pump supplier for one of digital transformation accelerating projects in Indonesia.

We hope this issue brings a lot of useful information to you, our valuable customers and partners, as we publish the newsletter on regular basis so that we always stay connected and we welcome your feedback.

Enjoy the reading!

Philippe Olivier
President Director,
KSB Indonesia



KSB SupremeServ – Supervision of installation and commissioning of flood control solution



KSB SupremeServ provides comprehensive services in the form of supervising the installation and commissioning of pumps, valves, including the components required by the pump and the entire system. Recently KSB SupremeServ Indonesia has supervised commissioning and installation of flood control solution in Central Java.

Our benefits of supervision of installation and commissioning including a single point of contact within KSB throughout the entire installation phase, cost optimization related to professional planning, implementation, and compliance with deadlines as well as reliability and safety, especially during the initial period, are monitored by our experienced KSB specialists.

For further details, please reach out to our SupremeServ team through IDS SupremeServ@ksb.com



KSB Vita series Guarantee the highest quality, compliance with hygiene standards

All product used in the food and beverage industry needs to meet the highest standards of hygiene. The gentle handling of liquids and highly viscous fluids is an important requirement. High-quality materials suitable for hygienic applications, the pumps' cleaning and steaming in place (CIP/SIP) capabilities make KSB pumps and valves the key components of any sterile process.

Equipment used in the food and beverage industry not only needs to ensure sterile processes. The components must also satisfy stringent requirements in terms of reliability and profitability. This is the only way to ensure our position in a highly competitive market. To this end, KSB has at hand a wide range of products and services to offer its customers bespoke all-in solutions from a single source, which are tailored to the respective process – including support during the planning stage right up to after sales.

The Vita pump range ensures hygienic transport in sterile process, consists of five different series: Vitachrom, Vitalobe, Vitacast, Vitaprime, and Vitastage which have



been designed specifically for sterile process. The pumps are fully cleanable and meet the requirements of the European Hygienic Engineering and Design Group (EHEDG). KSB's Vita pumps cover all life science applications, transport any fluid to the exact requirements, be it gentle handling, pumping of highly viscous fluids, pressure boosting or self-priming.

In many situations, people protection as well as environmental protection are on the top of priorities. For instance, in life science applications, where sensitive and aggressive fluids need to be handled. A domain where KSB's pumps enjoy high reputation as they contribute to process of satisfying in terms of operating reliability and hygienic requirements, while also economic and environmentally-friendly.

Please find sales contact detail http://bit.ly/Sales_General_Industry for more info.

KSB valves comprehensive portfolio support SPAM Umbulan

East Java provincial government has initiated Umbulan Drinking Water Supply System (SPAM Umbulan) in response to limited supply of clean water provided by existing water supply system in the main regions of East Java to include Surabaya, Sidoarjo, Gresik, Pasuruan and Pasuruan city. SPAM Umbulan has a capacity of 4,000 litres per second where the raw water originates from Umbulan Spring in Umbulan Village, Winongan District, through a 93 km water supply pipeline.

On SPAM Umbulan, KSB has supplied a total of 376 units of butterfly valves, air valves, check valves and gate valves valves, consist of 18 Isoria butterfly valves, 3 Mammouth butterfly valves, 14 Axial Disc Nozzle check valves, 114 Combination air valves, 199 Ecoline GTR gate valves, 12 Ecoline GTC gate valves, and 16 Dual Plate check valves.

KSB gate valves applied on this water supply system have large nominal diameters, ranging from 1,4 to 1,9 meter. The gate valves have unique values including high functional reliability, reliable sealing and longer service life, additional safety and blow-out protection, versatile application, extended maintenance-free operating life time, and space-saving design. These valves are used as shut-off and control valves which can be built with very large nominal diameters. The classification of gate valves is divided based on the seat design (gate valve wedge-type and parallel slide) and the type of seat / disc interface (metal-seated and soft-seated).



Check valves, or non-return valves, prevent reverse flow by ensuring that fluid can only flow in one direction along the pipe. These valves can be applied in the drain pump that operates in parallel. Meanwhile, air valves ensure the correct operation of the piping system. These valves are specially designed for large volumes of air circulation and the release of air pockets in working conditions.

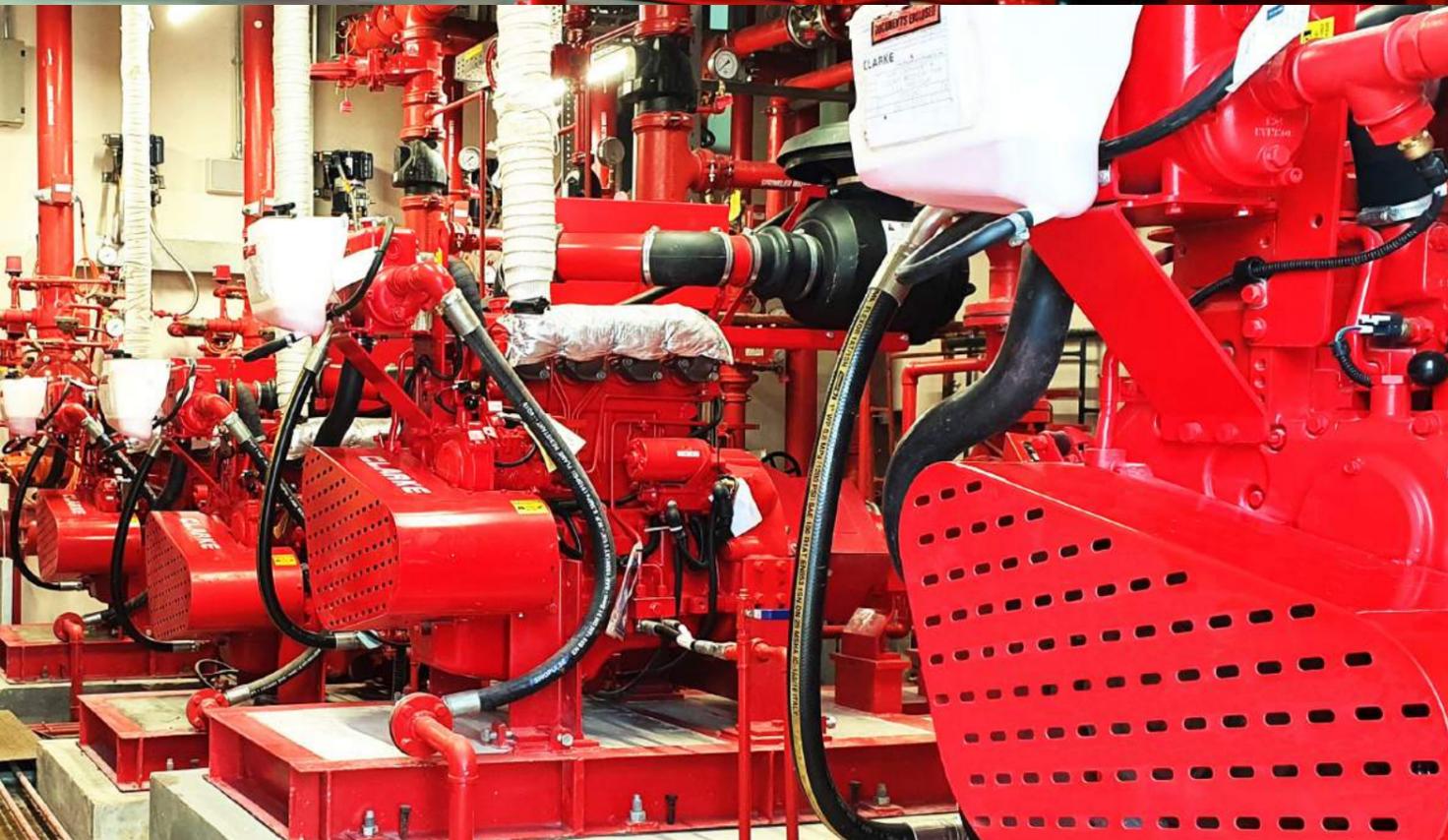
Butterfly valves are used as shut-off or control valves. The design is simple and the size is relatively small. The flow resistance coefficient for butterfly valves is relatively low, but slightly higher than for ball and plug valves. Butterfly valves applied on SPAM Umbulan vary from medium nominal diameters to large size. 3 units of Mammouth butterfly valves applied on this project has 1,5 meter nominal diameter.



"KSB Indonesia is proud to support SPAM Umbulan which had been officially inaugurated by President Joko Widodo in March 2021 to deliver more clean water for 1,3 million lives in East Java. As SPAM Umbulan listed as one of National Strategic Project (Proyek Strategis Nasional/PSN), this is a success story and reference for KSB's next strategic project in Indonesia," said Philippe Olivier, President Director, KSB Indonesia.

KSB valves perform. No matter what application water requires, how the system is designed or what challenges the surrounding environment presents, we provide valves that work for every area of use. For further details, do not hesitate to contact our valves sales team <https://bit.ly/KSBValveContact>





KSB Fire-fighting pump

Safe and reliable fire protection system

We are fully aware that customers put high demands on fire protection systems: On the one hand, they hope that they will never actually need them. On the other hand, they expect everything to work perfectly if fire does strike. Fire-fighting pumps naturally face the same high demands. All components must be constructed to be ready at any time, despite the very limited period of use. And "ready" means able to operate at full capacity immediately.

Drawing on experience and specialist knowledge in fire protection, we are fully familiar with the standards, regulations and certifications in this field. KSB provides pumps and system solutions meeting a vast number of national standards and certifications. KSB Indonesia has proven the experiences in the assembling Fire Pump Package in accordance with latest standard of UL/FM, ULFM, NFPA20 Non Listed, offering comprehensive product range with competitive price.

When it comes to fire protection system, fire pumps are the most critical components and safety is an important requirement. KSB Indonesia had obtained the FM Approved, an official certificate to package fire pump products Etanorm FXM and Omega FXF, the certified products conform to the highest standards for safety and property loss prevention standard. KSB is the manufacturer of pump sets that has been certified as FM Approved Packager in Indonesia.

At KSB Indonesia, we provide both custom-engineered solutions and standard systems. Also, we have proven field experience of applied fire-fighting pumps starting from building, data center, industrial/ water treatment plant, oil terminal, power plant to gold mine, in accordance with customer needs and preferences.

We fully test every fire pump complete with driver, controllers, and accessories to guarantee total integrity and ensure the fire pump package arrives on the site ready for trouble free operation. The testing facility is established to meet the international standard for pump performance tests in accordance with ISO 9906:2011, Hydraulic Institute, and API 610:2010, and commence wide range of testing. KSB Indonesia's testing facility at Industrial Town Cibitung is available for Factory Acceptance Test (FAT).



KSB fire-fighting pumps for Indonesia's digital station

Technological advancements and establishments in Indonesia has grown faster than ever with the production of digital stations, as we get even closer to the 4.0 industry.

KSB Indonesia supports the protection of one of upcoming data centers and digital station dedicated for e-commerce markets from the risk of fire using KSB's fire-fighting pumps. A quantity of six diesel-powered fire-fighting pumps and three jockey pumps in three parts fulfilling the minimum requirement of 4 poles jockey pump where the Factory Acceptance Test (FAT) had been executed at KSB's head office, factory and service workshop in Cibitung last year.

Supported by 150 years of global experience in producing high quality pumps, valves and related systems, KSB provides world-class fire pumps to meet building safety requirements from fire hazard and risks, a series of safety instruments of best-in-class products for any application at competitive prices.

Please get in touch with our sales team http://bit.ly/Sales_Building_Industry to find out more about KSB fire-fighting pumps for use in commercial and industrial facilities, a truly integrated custom built package that is as individual as your system demand.

Webinar for petrochemical/chemical professionals

KSB Indonesia Webinar Series: Centrifugal pump for Oil & Gas and Petrochemical & Chemical Industry was successfully held on March 9, 2021, with Mr. Antonius Giri Martanto, Engineering Service Manager KSB Indonesia as the speaker, and participated by professionals from state-owned enterprise in oil & gas sector, petrochemical/chemical industry, EPC, consulting companies, engineers/senior engineers from mechanical & industrial companies as well as mechanical engineering university students and graduates, the future leaders in Indonesia. We highly appreciated the enthusiasm particularly on Q&A session and gladly received the positive feedbacks.

Gratitude to all of participants for taking the time and joining the webinar. Kudos to the respective team for organizing and supporting this web seminar. Look forward to welcoming the valuable customers and partners on our upcoming webinar series!



Collaboration webinar with PERPAMSI

KSB Indonesia proudly conducted webinar in collaboration with Indonesia's water utility association (PERPAMSI) on April 7, 2021 attended by 149 external participants from PDAM (Perusahaan Daerah Air Minum/Local Government Owned Water Utility companies), Perumda Air Minum (regional water utility companies), water solution providers, OEM, EPC, based in Java, Sumatra, Sulawesi, Kalimantan, Bali, Nusa Tenggara and Papua as well as university and fresh graduate students. The speaker, Antonius Giri Martanto, S.Si., M.Si, shared know-how on maintenance, repairing and troubleshooting of submersible pump. Based on the survey, all of the participants would like to be invited and joined our upcoming webinar series.

We would like to thank all of participants for joining the webinar. Many thanks to PERPAMSI for this great collaboration, kudos to KSB Indonesia team as the event was well executed.



Quiz

Please answer the following question and get prizes from KSB News:

Please state KSB valve type with large nominal diameters on SPAM Umbulan?

Send your answers by 25 June 2021 via e-mail: IDmarcomm@ksb.com including your phone number for gift delivery. Get 5 units of exclusive KSB tumbler along with KSB bear for the first 5 lucky senders.



Feedback

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



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