

## PRESS RELEASE

Product

### **Innopro BoxFlash: compact flash pasteurizer from KHS for all standard container segments**

- Low installation and logistics costs thanks to optimized tank
- Machine convincing with simple installation and easy maintenance
- Perfectly tailored to the requirements of small and medium-sized breweries

**Dortmund, October 15, 2020 – Compact design, high energy efficiency, simple installation and fast commissioning – these are the convincing arguments that speak for the Innopro BoxFlash from KHS. The engineering company first presented its flash pasteurizer machine, specifically developed to meet the demands of small and medium-sized breweries, four years ago. The technology, proven in practice many times since, is now available for several new areas of application: where it was initially only used in keg racking, it is now compatible with the glass, can and PET container segments. Its compact design on a frame means that users benefit from lower logistics costs and faster installation.**

As with all process engineering systems from KHS the Dortmund turnkey supplier also uses as many identical parts as possible on the Innopro BoxFlash. Components taken from other series machines include, for instance, the buffer tank and frame from the Innopro Paramix program, KHS' pioneering three-component blending system. Unlike in the standard design the buffer tank here has been placed horizontally inside the frame.

“To this end, we cut the size of the tank down by 25% to a still generous 1,500 liters,” explains Gerold Tandler, process technology product manager at KHS. This has the advantage that the system no longer has to be dismantled for shipping, supplied in parts and repiped and rewired on site, meaning that after acceptance at the production site it is simply shipped as a complete unit. This reduces logistics costs by at least two thirds and considerably shortens the time needed for installation and commissioning on site.

### **Simple installation, optimum pasteurization**

Besides attaching the machine feet and mounting the overpressure valve to secure the buffer tank, all that remains to be done on site is to connect up the relevant lines and the Innopro BoxFlash can go into action. The sled systems for product pumps also included greatly ease maintenance.

The pasteurization temperature can lie between 60 and 75°C and the heat retention period is 30 seconds. To Tandler, the advantages are obvious. “The Innopro BoxFlash combines optimum, safe product treatment with an extremely small footprint – plus it’s effective and saves on resources.”

### **Perfect for small and medium-sized breweries**

As with its big brother, the Innopro KZE C with a capacity of up to 600 hectoliters per hour, the procedure on the Innopro BoxFlash has been perfectly tailored to the requirements of the brewing industry. With a maximum output of 45 hectoliters per hour, it is specially designed to cater for small and medium-sized breweries, however.

In combination with a KHS Innokeg CombiKeg the compact flash pasteurizer can also be equipped with the optional OnBoard CIP module. KHS fits two keg parking stations and dosing pumps for the CIP media in the system for this purpose. This means that after production both the flash pasteurizer and filler can be cleaned internally. “The system’s overall

volume is so small that CIP times can be significantly shortened, readying the system for production again very quickly,” says Tandler.

### **Prepared for Industry 4.0**

Finally, the integrated IO-Link communication system improves the monitoring of the extensive sensor setup. It permits constant communication between the sensors and the controller and a permanent feed of diagnostic information right down to sensor/actuator level. This means that the Innopro BoxFlash is prepared for predictive maintenance and – with an eye to Industry 4.0 – all geared up for the future.

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### **Picture captions**

(Source: KHS Group)

### **Innopro BoxFlash**

The KHS Innopro BoxFlash flash pasteurizer tailored to the requirements of small and medium-sized breweries is now compatible with most container segments.

### **Gerold Tandler**

“Our space-saving Innopro BoxFlash flash pasteurizer combines precision and efficiency with a very good price/performance ratio,” states Gerold Tandler, process technology product manager at KHS.

## About the KHS Group

The KHS Group is one of the leading manufacturers of filling and packaging systems for the beverage and liquid food industries. The KHS Group includes the following companies: parent company KHS GmbH, KHS Corpoplast GmbH and numerous subsidiaries outside Germany, located in Ahmedabad (India), Sarasota and Waukesha (USA), Zinacantepec (Mexico), São Paulo (Brazil) and Suzhou (China).

KHS manufactures modern filling and packaging systems for the high-capacity range at its headquarters in Dortmund, Germany, and at its factories in Bad Kreuznach, Kleve, Worms and Hamburg, where the group's PET expertise is pooled. The KHS Group is a wholly owned subsidiary of the SDAX-listed Salzgitter AG corporation. In 2019 the KHS Group and its 5,149 employees achieved a turnover of around €1.260 billion.

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