

Press Release

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Voith upgrades disk filters at WEIG-Karton – significantly improved filtrate values after rebuild

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Moritz J. WEIG GmbH & Co. KG in Mayen, Germany, chose Voith for the rebuild of its third-party disk filter. After a successful startup following the rebuild, significant improvements in filtrate values were recorded, while at the same time maintenance costs are now demonstrably lower. This was achieved by integrating the modern Voith disk filter technology, which includes BaglessPlus disk filter sectors and a new filtrate valve.

BaglessPlus disk filter sectors made from corrugated stainless steel provide increased capacity by up to 15% to 20%, while at the same time improve filtrate quality. Clear filtrate and super-clear filtrate quality have significantly exceeded customer expectations. Initial measurements recorded 180 ppm in the clear filtrate and 60 ppm in the super-clear filtrate. Since the high filtrate quality will remain unchanged during the entire lifecycle of the BaglessPlus sectors, ranging from 10 to 20 years, large quantities of fresh water can be saved. Moreover, BaglessPlus disk filter sectors are maintenance free, with holes in filter bags no longer being an issue.

The new filtrate valve ensures a consistently high vacuum and further ensures the high filtrate quality. The rebuild switched the mounting by plain bearing to reliable roller bearing with the new central shaft. In addition, the disk filter was equipped with new knock-off and cleaning spray pipes featuring patented nozzles.

The upgraded disk filter now replaces four drum thickeners, which had become susceptible to failure due to high screen wear.

WEIG-Karton's trust in Voith is based on many years of collaboration. Two years ago another third-party disk filter had already been successfully rebuilt to BaglessPlus sectors and HiCon. Thanks to the conversion to HiCon, this disk filter is now being operated at an intake stock consistency of up to 2%.

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The Voith disk filter technology has been developed for BlueLine, a product and component range designed to keep energy, fiber and water consumption in stock preparation as low as possible. Voith disk filter components can be installed in machines from all manufacturers.

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Moritz J. WEIG GmbH & Co. KG is among Europe's leading manufacturers of recycled board. At its main location in Mayen, approximately 620,000 metric tons of board from recovered paper is produced annually.

Further information is available on the Voith website at www.voith.com/paper. Voith Paper is also on [Twitter](#) and [YouTube](#).

Voith Paper is a division of the Voith Group and the leading partner to and pioneer in the paper industry. Through constant innovations, Voith Paper is optimizing the paper manufacturing process, focusing on developing resource-saving products to reduce the use of energy, water, and fibers. Furthermore, Voith Paper offers a broad service portfolio for all sections of the paper manufacturing process.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith employs more than 43,000 people, generates € 5.7 billion in sales, operates in about 50 countries around the world and is today one of the biggest family-owned companies in Europe.

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