



WORLD WIDE WEAVE

GKD: FILTECH, a resounding success

Focus on process belts for phosphoric acid production

Reflecting on its participation in this year's FILTECH event, leading international technical weaving operation GKD – Gebr. Kufferath AG is delighted to have made so many promising contacts and held so many interesting discussions. The leading trade fair for global filtration and separation technology is held over three days in Cologne, and this year's event attracted more than 400 exhibitors and 14,000 visitors from across the globe. With the range of VACUBELT[®] filter belts presented in this high-level environment, the process belt experts from GKD really hit the nerve of the expert community. Interest focused on the topics of phosphorous gypsum and FGDP gypsum dewatering here. Yet the spiral belts, which are manufactured in-house and were on show for the first time, also enjoyed great success with an order of 50 belts for process water filtration.

Whether phosphorous gypsum or FGDP gypsum dewatering, cooling lubricant filtration, or process water treatment: the filtration efficiency, productivity, and process reliability of continuous vacuum belt filter systems represent key success parameters in increasingly discerning markets. With its VACUBELT[®] filter belts developed for specific processes, GKD offers products that have been proven worldwide for these applications. Their special mesh design combines high filtration efficiency with optimum cake discharge and excellent cleaning properties. High air permeability and a low clogging tendency underline the performance. The rugged belts made of polyester monofilaments are capable of handling the high mechanical, thermal, and chemical stresses that occur during the process and also excel



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through their high degree of lateral stability. Tracking stability and a long service life are the keys to the success of this product range.

Tailored specifically for phosphorous gypsum dewatering

A special production method qualifies the high-performance VACUBELT[®] filter belts for phosphorous gypsum dewatering, whereby each belt is thermally matched individually to the respective gypsum and process conditions. Manufactured individually and assembled on parallel rollers, the belts guarantee 100% directional stability. Thanks to this optimum controllability, this belt type is characterized by a reduced tendency to form creases. The particularly flat seam also contributes to a hassle-free process, as its very low aperture reduces significantly particle penetration.

Proven for FGDP gypsum dewatering

The VACUBELT[®] filter belt 2015 has already proven its worth in the field of FGDP gypsum dewatering over many years. Whether in new systems or retrofitting existing power plants, the belt made of pure polyester monofilaments meets the strictest requirements. Fast dewatering and robust transverse stability are the main factors contributing to its superiority. During the FILTECH fair, it became clear that the need for more efficient gypsum dewatering in the field of flue gas desulfurization, and thereby interest in this belt type, is still on the rise - particularly in South Africa and India.

Numerous users and well-known equipment manufacturers discussed concrete issues regarding the design and range of potential applications of the horizontal filter belts with the GKD experts on the trade fair stand. Process Belt Division Manager, Michael Seelert, therefore reflects on the trade fair appearance with a sense of satisfaction: "FILTECH was a real success for us." He also believes that the excellent networking opportunities are one of the most important aspects of this trade fair. "We were able to



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make new and promising contacts and also welcome back visitors looking for more in-depth information.“

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As a privately owned technical weaver, GKD - Gebr. Kufferath AG is the world market leader in metal, synthetic and spiral mesh solutions. Four independent business divisions bundle their expertise under one roof: Industrial Mesh (woven metal mesh and filter solutions), Process Belts (belts made of mesh and spirals), Architectural meshes (façades, safety and interior design made of metal fabrics) and Mediamesh® (Transparent media façades). With its headquarter in Germany and five other facilities in the US, South Africa, China, India and Chile – as well as its branches in France, Spain, Dubai and worldwide representatives, GKD is close to markets anywhere in the world.

For more information:

GKD – GEBR. KUFFERATH AG
Metallweberstraße 46
D-52353 Düren
Tel.: +49 (0) 2421 / 803-0
Fax: +49 (0) 2421 / 803-227
E-Mail: processbelts@gkd.de
www.gkd.de

Please send a reprint to:

impetus.PR
Ursula Herrling-Tusch
Charlottenburger Allee 27-29
D-52068 Aachen
Tel.: +49 (0) 241 / 189 25-10
Fax: +49 (0) 241 / 189 25-29
E-mail: herrling-tusch@impetus-pr.de