



WORLD WIDE WEAVE

GKD: Sustainable solutions for sewage sludge dewatering and drying

High performance, long service life, low disposal effort

From May 4-8, GKD – Gebr. Kufferath AG (GKD) will be presenting its latest products and solutions from the fields of industrial mesh and process belts at IFAT, the world's leading trade fair for environmental technology in Munich. Once again, these meet the company's vision of offering products that make the world healthier, safer and cleaner. The process belts exhibited by the technical weavers, now in its third generation of owner management, will focus on sewage sludge dewatering and drying. Users and equipment manufacturers alike rely on GKD belts with proven *made in Germany* brand quality. In addition to belt type 1003, which has a worldwide reputation for unparalleled efficiency in dewatering, and the successful spiral fabric belts produced in-house, GKD will for the first time also be presenting a special further-developed mesh type for angle presses. Industry-independent, experienced GKD engineers will be available in Hall A2 at Stand 318 of the IFAT trade fair to answer questions about any belt types.

Thermal recycling of sewage sludge is continuously increasing: According to information from the Federal Office for Statistics, 70 percent of sewage sludge was thermally recycled in 2017 – five percent more than in the previous year. Ten years before, it was just 50 percent. At the same time, improved processes led to a reduction of 17 percent in the volume of sewage sludge disposed of by municipal sewage plants between 2007 and 2017. The efficiency of sewage sludge dewatering and drying is of crucial importance in these processes. GKD belts for pre-dewatering and belt presses, as well as belts for high- and low-temperature dryers, are established worldwide.



WORLD WIDE WEAVE

Mesh belts

The application-specific type 1003 and 5090 mesh belts impress with top scores in dewatering performance, particle retention and transverse stability. **Belt type 1003** was developed with leading engineering companies for mechanical dewatering in belt presses. Its efficiency is unparalleled. This is also helped by the flat, particularly robust PAD seam. **Belt type 5090** has now been further developed specifically for belt presses which aim to achieve maximum dewatering and filtration rates with high pressing forces. Thanks to its mechanical stability and weave, which is optimized to prevent soiling, it not only guarantees the required rates in angle presses, but also impresses with a longer service life. The long life and resulting reduced waste volume highlight the sustainability of its design. The reduced cleaning effort with correspondingly lower water and energy consumption also help improve the system operator's environmental balance. This mesh type can be recognized by the interwoven green warp wires.

Spiral fabrics

Spiral fabrics from GKD, designed to suit specific processes for thickeners or belt presses, have proven very successful for complicated, fibrous sludges in particular. The special post-treatment with strong drawing provides them with the high dimensional stability required for this. Belt lengthening and belt tension adjustment are therefore kept to an absolute minimum. In addition, these seamless belts with the transverse stability of a mesh belt are impressive even in challenging deployment conditions thanks to their significantly higher throughput and long service life.

Dryer belts

The wide range of tried and tested dryer belts makes a valuable contribution to the conservation of resources and environmental protection. The belts, which can be up to eight meters wide and 200 meters long, are tailored to



WORLD WIDE WEAVE

the individual customer process and then thermally treated. Air permeable and with high lateral and dimensional stability, the guaranteed sewage sludge drying in high or low temperature dryers is just as cost-saving as it is environmentally friendly. The high TS values of the sewage sludge dried on these belts offer a guarantee of efficient thermal reuse.

Visit

GKD – Gebr. Kufferath AG at IFAT 2020
Munich trade fair
Hall A2
Stand 318

4.102 characters incl. spaces

GKD – WORLD WIDE WEAVE

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