

Publisher's Special

INDUSTRIEWASSER

Production • Technology • Disposal



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IFAT 2020

Ifat 2020: all novelties for water and wastewater technology in industry

The World's Leading Trade Fair for Water, Sewage, Waste and Raw Materials Management Ifat presents superlative water and wastewater technology. The technical innovations shown in Munich are of major relevance for the industrial sector where many operators run their own sewage treatment systems. We report on pumps, measurement and analysis technology, separation technology etc.

WASTEWATER TECHNOLOGY

Service and maintenance of drive technology in sewage treatment plants

The operation of sewage treatment plants is simply impossible without drive technology which is used in all purification stages. Reliable plant availability requires the right technology and appropriate maintenance and service work.

The German government's new energy efficiency strategy

The use of waste heat in industry is at the heart of the German government's new efficiency strategy. And this also applies to water and wastewater systems.

SEPARATION TECHNOLOGY

Trend report: centrifuges and decanters

Centrifuges and decanters are an important component of sewage treatment technology. After all, the costs of disposal depend largely on sludge dewatering. We report on trends and novelties in this field.

Technical and regulatory requirements for light liquid separators

Light liquid separators are useful, for example, in process plants whose wastewater contains mineral oil products in non-emulsified and undissolved form. In addition to purely technical requirements, a number of legal requirements and environmental protection goals must also be complied with when installing and operating such systems.

Filter fleece rolls for belt filters

Fleece materials allow unwanted solids to be removed from process media.

Vacuum evaporators when dismantling nuclear plants

In southern Germany at the Philippsburg and Neckarwestheim sites and in northern Germany at the Krümmel and Brunsbüttel sites, wastewater from the dismantling of nuclear power plants is treated in cooperation with KMU LOFT Cleanwater GmbH using innovative vacuum evaporator technology.

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MEASUREMENT AND ANALYSIS TECHNOLOGY

New level sensors for wastewater technology

Vega has set out to replace the ultrasonic devices popular in the water and wastewater sector with compact and inexpensive radars.

Product focus on liquid analysis

The right equipment is essential for the precise analysis of liquids. Our product focus shows the latest devices.

PROCESS WATER

Water reuse in industrial parks

The reutilisation of water is becoming increasingly important in the industrial sector. Industrial parks have particularly great potential in this respect. The WaRelp research project is examining this application at Merck in Darmstadt, Germany.

Latest conclusions from the UN World Water Report 2020

As every year, the United Nations World Water Report will be published in mid-March 2020. What is the thematic and

geographical focus for the agenda of global water policy in the coming years and what does this mean for the industrial world?

PUMPS, COMPRESSORS

Heat recovery from wastewater treatment plants

Heat is generated during the production of blast air. This heat can be used economically, as the example of the Kupferdreh wastewater treatment plant in Essen, Germany, illustrates.

What does an electric diaphragm pump really cost?

In addition to the purchase costs, the energy costs of pumps are gaining in importance. This article explains what the life cycle cost calculation for diaphragm pumps looks like.

Price development for water and wastewater pumps

When calculating projects, it is important to know how the prices of the components used are likely to develop. Our price index shows the current price trend for water and wastewater pumps.

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