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AERZEN at IFAT 2024

Innovative future technologies for sustainable wastewater treatment

When it comes to energy-saving solutions for biological aeration, there is no way around AERZEN. The blower and compressor specialist is recognised worldwide for its high solutions expertise, innovative strength and application expertise and has long been recognised as one of the market leaders in the sector. Its forward-looking concepts for efficient resource-saving and economical water and wastewater treatment will be presented by the company at IFAT in Munich from 13 to 17 May 2024. It also includes an absolute world first. Only this much can be revealed in advance: the potential energy savings are unrivalled.

There are numerous ways to optimise the consumption of energy and resources at wastewater treatment plants. The ventilation of the aeration tanks offers the greatest lever: the biological treatment stage accounts for 60 to 80 per cent of the total energy requirement. With the appropriate expertise, modern technologies and smart control systems, the aeration process and all other process air applications (sand trap, digestion tower, etc.) can be designed to be significantly more resource-efficient. Energy savings of 55 % and a reduction in CO₂ footprint of 65 % are possible. AERZEN will indicate how this works at IFAT 2024 under the motto "[Efficient by Nature - Sustainable by Design. It's in our DNA.](#)"(Hall A3, stand 351/450).

A world first: screw blowers with exceptionally high energy efficiency

The highlight of the fair is without a doubt the product launch of the latest AERZEN [Screw Blowers](#). The innovative machines are an absolute world first and way ahead of their time. The future-oriented design sets new scales regarding energy efficiency, durability, machine footprint, digitalisation, low noise and maintenance, making the blowers absolute high performers in process air generation. They raise efficiency to an unprecedented level and are a central building block to more sustainable and economical wastewater treatment.

New turbo blowers make their debut at IFAT

The range of [Turbo blowers](#) also has some high-calibre newcomers. New sizes complement the successful product family and significantly expand the range of applications for the air foil bearing and maintenance-free technology. With the smallest footprints on the market and maximum energy efficiency, turbo blowers offer compact power that is indispensable for the aeration process in wastewater treatment. Thanks to their high power density and reliability, they keep life cycle costs low and enable significant cost reductions.

System intelligence for maximum resource efficiency

For 160 years, AERZEN has been supporting operators of wastewater treatment plants and industrial partners with innovative solutions and providing support in areas such as increasing efficiency, process reliability, digitalisation, conserving resources and increasing capacity. The holistic solution approach is unique - from tailor-made machine and technology design to needs-based control systems, customised ROI calculations, flexible rental solutions (Aerzen Rental) and concepts for heat recovery and machine room aeration through to digital services and support in the field of conveying media. This allows efficiency potential to be fully utilised. The perfect integration of the blower technology into the aeration process not only enables maximum efficiency, but also absolutely sustainable operation with minimum CO₂ emissions.

You will find AERZEN at IFAT 2024 in hall A3 at stand 351/450.

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About AERZEN

Industrial plants all over the world are supplied with gaseous media using AERZEN blowers and compressors. The innovative AERZEN machine technology represents experience gained over 160 years of company history. The AERZEN product portfolio includes rotary lobe compressors, positive displacement blowers, turbo blowers and screw compressors and, in addition to standard products, also offers customised special solutions. Digital services can be used to increase efficiency, availability and productivity in a sustainable and future-oriented manner. In addition, the AERZEN After Sales Service offers the full range of services - from full maintenance contracts to repairs and upgrades of existing systems.

Image overview:



AERZEN Wastewater.jpg: AERZEN offers sustainable and holistic technologies, solutions and service concepts for the water and wastewater industry

Image: AERZEN

Press information



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Meta Description: a world first! At IFAT 2024, AERZEN will be presenting new, highly efficient screw blowers, among other things. Learn more now.

Deeplinks:

<https://www.aerzen.com/ifat>

<https://www2.aerzen.com/applications/water-and-waste-water-treatment.html>

<https://www2.aerzen.com/products/screw-blowers.html>

<https://www2.aerzen.com/products/turbo-blowers.html>

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