

New Delta Hybrid sizes:

Maximum energy efficiency, minimum TCO

AERZEN expands its successful screw blower series.

Delta Hybrid is among the most innovative solutions in compressor technology - and by far among the most efficient assemblies in its class. Now AERZEN has taken its globally successful screw blowers to the next technology level. The new types impress with smart features, further improved functionality and enormous energy savings of up to 30 % compared to a conventional positive displacement blower.

AERZEN rotary lobe compressors, also known as screw blowers, combine the advantages of blower and compressor technology in a single system and offer a wide range of performance for the most different process requirements. The assemblies are primarily designed for oil-free conveying of air and cover an extremely wide range of key industrial applications - from pneumatic conveying and homogenisation to wastewater treatment. With the expansion of its portfolio, AERZEN is taking innovative future technology to the next level. The new additions inspire with exceptional energy efficiency, a simplified service and maintenance concept as well as reduced dimensions or smaller footprint. They, thus, contribute significantly to reducing the Total Cost of Ownership (TCO).

Plus in efficiency, durability and user-friendliness

Thanks to an innovative compressor stage with new high-efficiency screw profiles, internal flow optimisation, coupled with motors of energy efficiency class IE4 as standard, optimised guiding of cooling and exhaust air as well as a self-tensioning belt drive with an efficiency of over 98% in conjunction with a pinpoint design, outstanding energy savings of up to 30% are achieved compared with a conventional blower. The extended control range of 1:5 is also trend-setting.

The patented bearing enables a service life of 70,000 hours and more. An effective sealing concept for the driving shaft and the conveying chamber minimises natural wear and also guarantees oil-free operation in accordance with ISO 8573-1 class0. The patented, reactive silencer without absorption

material successfully prevents contamination of process air or of the downstream process system. This is a decisive factor for sustainable, safe and long-lasting operation in food industry or wastewater treatment.

The smart oil system, which manages with a very low oil quantity and doubled change intervals of 16,000 operating hours, has a positive effect on the longevity and the maintenance effort. Another plus: thanks to the selected driving concept, subsequent volume flow adjustments can be implemented at any time. The compact design enables a space-saving side-by-side installation (no distance between the machines required), resulting in a smaller machine room and, thus, lower investment in the building.

New benchmark for blower technology

Incredibly efficient and unrivalled reliability in operation: the four new assembly sizes cover volume flows from about 2 to 30 m³/min and driving power from 7.5 to 55 kW. With regard to the composite concept Performance³ consisting of Delta Hybrid, Delta Blower and Aerzen Turbo, the new screw blowers also offer further efficient alternatives for an optimal machine design. With its new Delta Hybrids, AERZEN defines a new benchmark in blower and compressor technology and once again demonstrates its high innovative strength and technological superiority.

AERZEN at IFAT 2022

Visit AERZEN from 30 May to 3 June 2022 at IFAT in Munich and experience the new Delta Hybrids live. You will find AERZEN in hall A3 at stand 351/450.

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The company

Industrial plants all over the world are provided with gaseous media using AERZEN blowers and compressors. The innovative AERZEN machine technology represents experience gained over more than 150 years of company history. The range of products includes rotary lobe compressors, positive displacement blowers, turbo blowers and screw compressors. The AERZEN product portfolio is flexible and offers besides standard products customised special solutions. Digital services can be used to increase efficiency, availability and productivity in a sustainable and future-oriented manner. In addition, AERZEN After Sales Service offers the whole range of services - from full maintenance contracts to repairs and modernisations of existing plants.

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