

New size for E-Compressors

The successful screw compressor generation Delta Screw from AERZEN gets an addition: With the VM 100 compressor package, the versatile E-Compressor series now comprises seven model variants. Its distinguishing features: the efficient technology for use in the upper volume flow range and the integrated electric acoustic hood fan.

The new development of Aerzener Maschinenfabrik will be presented for the first time at COMVAC 2019, the leading international trade fair for compressed air and vacuum technology in Hanover. The new compressor type is designed for a volume flow range from 1500 to 7620 m³/h and covers a maximum differential pressure of 3.5 bar. The application specialist AERZEN is thus responding to specific practical requirements in the low-pressure range and the constantly growing demands for high-performance and efficient technology. All in all, the broad product range of E compressors includes 7 sizes in the volume flow range from 330 to 7,620 m³/h and drive capacities from 30 to 630 kW.

A special feature of the new model type is the already integrated acoustic hood fan. Another new feature is the space-saving horizontal position of the discharge silencer. Like all E-Compressors of the series, the VM 100 has an acoustic hood with internal supply and exhaust air louvers, which favours the compact design. Flow-optimised intake channels minimise pressure loss significantly. A significant improvement in performance can be achieved by supplying cool outside air directly into the intake filter. Unique is the absolutely oil- and absorbent free compressed air technology of AERZEN. Oil-free operation is certified according to ISO 8573-1/Class 0.

The patented principle of the built-in reflection silencer protects against contamination and ensures process reliability over the entire service life of the system. And the latest addition to the E-Class also impresses with its flexibility. Various equipment options and a comprehensive range of accessories complete the VM 100's operational capability.

Efficiency and performance of the Delta Screw E-Compressors are safely controlled by the AERtronic software. The integrated panel reliably and conveniently

monitors the intake, discharge and oil pressure as well as the discharge and oil temperature.

According to the manufacturer, all Class E screw compressors score points with a strong energy balance. The technology leader from Aerzen calls the sophisticated concept of performance optimisation and resource utilisation, profitability and flexibility "efficiency plus". With a saving of up to 6 % in energy costs over an operating period of 10 years, the investment volume is almost covered.

The specialisation in application-oriented customer solutions testifies to the competence and experience of the renowned mechanical engineering company. Special solutions, also ATEX-compliant, prove the excellent references from various industries and fields of application. Even under difficult environmental conditions or with special gases, the best possible results can be achieved.

Therefore, Aerzener Maschinenfabrik is of the opinion that individual consultations should already be conducted at the beginning of the planning phase. With the invitation "Let's talk" the company would like to invite to an expert dialogue and reduce inhibitions. At the COMVAC stand, planners, decision-makers, buyers and operators will have the opportunity to do so.

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The Company

All over the world industrial plants are supplied with gaseous media using AERZEN blowers and compressors. In the innovative AERZEN machine technology there are experience values from over 150 years of company history. The product range includes rotary piston compressors, positive displacement blowers, turbo blowers and screw compressors. The AERZEN product portfolio is flexible and offers besides standard products customised special solutions.

In addition, the AERZEN After Sales Service offers the whole range of services - from full maintenance contracts to repairs and modernisation of existing plants.

AERZEN also offers smart services through the subsidiary Aerzen Digital Systems, which is specialised in innovative and sustainable solutions for digitisation of process air systems.

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