

Blower and compressor technology installed in slim ISO container

AERZEN focuses on container solutions and maximum flexibility in use

Blower technology in containers has the potential to make process air supply noticeably leaner, more flexible and easier. AERZEN has already gained many years of experience in this field from its own rental business and is now using this know-how for a new solution. The idea: compressed air from the ISO container.

Whether 20 or 40 feet: ISO containers have the great advantage of being standardised – right down to uniform lifting gear and truck trailers. Containers are also easy to stack. They are statically self-sufficient and, of course, they are also available with effective sound insulation. AERZEN now combines these features with its blower and compressor technology, creating a convincing symbiosis of the latest machine technology and maximum flexibility. Thanks to this pragmatic solution approach, it will be possible in future to supply complete blower or compressor stations for quick connection and commission on site.

The high power density of, for example, 24,000 m³/h compressed air per container with 3 x Aerzen Turbo AT 200 0.8s ensures versatile application possibilities per container unit in connection with a high control range. This aspect also opens the way for placing the process air generation as close as possible to the demand. This shortens the distances, which subsequently leads to savings in piping and also to energy savings due to decreasing pressure losses.

The container solutions are suitable for all standard blower and compressor types from AERZEN. The Delta Blower, Hybrid, Screw and Aerzen Turbos can also be installed as a mixed team, as a suitably designed complete package, including noise protection measures, suitable power components, such as frequency inverters and controls according to the requirements of the customer-specific application. From a structural point of view, two strip foundations are all that is needed to mount the weatherproof process air container in a stable position. In general, separate building permits are not necessary, nor are architectural or structural engineering services. And if the plant layout

of a production company changes, the container can simply be moved along with it to ensure investment security. AERZEN sees applications with high air requirements as typical areas of use for process air from the ISO container. These include wastewater technology, the building materials industry and the broad field of bulk materials technology.

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The company

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 more than 150 years of company history. The AERZEN product portfolio includes rotary lobe compressors, positive displacement blowers, turbo blowers and screw compressors 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 a wide range of services - from full maintenance contracts to repairs and modernisations of existing plants.

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Contact Person Press:

Sebastian Meißler
Aerzener Maschinenfabrik GmbH
Reherweg 28
31855 Aerzen
Telefon: 05154/81-9970
Telefax: 05154/81-709970
sebastian.meissler@aerzen.com
www.aerzen.com

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