

Aerzen Turbo G5^{plus}, now with 13 sizes

New models AT75 and AT100 are now available

With the new generation Aerzen Turbo G5^{plus}, AERZEN has designed the most compact and efficient turbo machine in its class. With the two new models AT75 and AT100, available immediately, the Aerzen Turbo G5^{plus} portfolio has now been extended by another five to 13 sizes.

The Aerzen Turbo G5^{plus} is available in all flow rates from 300 m³/h to 8,400 m³/h, and with a maximum pressure of 1,000 bar. The current selection of blower sizes ranges from the small AT 25-0.8 G5^{plus} to the largest model AT 200-1.0 G5^{plus}. The series Aerzen Turbo G5^{plus} lives up to its name, because it convinces through numerous advantages. The five new turbo machines have an extremely compact design and require very little space.

Further outstanding features are the innovative AERZEN air foil bearings with double coating and the new multilevel frequency converter technology, which reduces the heat loss in the motor to a minimum and, consequently, improves the total efficiency significantly. Another advantage: an additional motor throttle or a sine filter, which has to be used with conventional frequency converters, is no longer necessary. The new air foil bearings represent a further decisive development thanks to double coating, consisting of Teflon and graphite. It impresses with increased temperature resistance and an increased service life of > 80,000 operating hours, regardless of start and stop cycles.

All advantages at a glance:

- Increase of energy efficiency by up to 10% compared to conventional turbo technology.
- Extended bearing life thanks to innovative AERZEN air foil bearings with double coating, maximum reliability, even under extreme operating conditions.
- 100% oil-free.
- Lowest maintenance effort, only regular filter change.
- Extended fields of application at ambient temperatures up to 50°C.
- Active surge protection by means of automatic speed increase.
- Space-saving design.

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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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