

Kaeser at the EMO

Sustainable compressed air – this is how it's done

Whether through oil-free or oil-lubricated compression, Kaeser Kompressoren provides the perfect solution for all industrial compressed air generation needs. The new CSD/CSDX and CSG series compressors on show at the EMO demonstrate how it's done.

This year, particular focus is being laid on rotary screw compressors from the CSD/CSDX range, oil-free compression CSG-series compressors and the Aquamat i.CF condensate treatment device. The most important highlight of the compressors is their low energy consumption, which is the result of a variety of sophisticated solutions. Both model series impress with drives of the best possible efficiency class, thanks to state-of-the-art synchronous reluctance motors and optimal component layout, which results in particularly low pressure losses whilst reducing energy costs and improving the customer's CO₂ footprint.

The CSG series provides highly efficient compressed air generation, yet requires 19 percent less floor space than its predecessor range. Models are available with air- or water-cooling, with integrated refrigeration dryer or i.HOC (Heat of Compression dryer), and for flow rates ranging from 4 to 15 m³/min. For applications with fluctuating compressed air demand, speed-controlled "SFC" versions are available.

The CSG series is equipped with high-quality, durable airends featuring the energy-efficient Sigma Profile for which Kaeser is world-renowned. The rotors now feature an innovative new wear-free PEEK coating, which is also particularly temperature-resistant. Biocompatible, FDA-certified and in compliance with European requirements for food contact materials, this coating is perfectly adapted for the pharmaceuticals and foodstuff industries.

With the intelligent Aquamat i.CF, Kaeser Kompressoren has redefined condensate treatment. Available for delivery volumes up to 90 m³/min, this new oil-water separator now comes equipped for the first time with the Aquamat Control internal controller, which undertakes active management of the process whilst simplifying maintenance planning and making service work safe and environmentally friendly.



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All Kaeser rotary screw compressors impress when it comes to the question of sustainability. Not only do they operate extremely economically, but they are produced in Germany to the strictest quality standards and requirements. Exceptional durability means they can serve a company for many decades to come. Should it ever become necessary to replace them, many of the components used in their manufacture are recyclable. When it comes to your compressed air supply, Kaeser also represents a plus point with regard to nature and the environment.

All product mentioned here can be viewed at EMO in Hall 12, Stand A20.

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Image:



The CSD and CSDX impress with high efficiency, cost savings and sustainability.



The CSG series, on the right with integrated i.HOC (Heat of Compression) rotation dryer, delivers oil-free compressed air safely, dependably, economically and efficiently.



The active, intelligent Aquamat i.CF – clean, safe and modular.



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