



## SINOx® CO<sub>2</sub> System 701 for Greenhouse Applications

For decades, SINOx® Emissions Control has installed complete solutions for the purification of emissions. Worldwide, our industrial SCR system (catalyst and facility integration) has proven itself on many different applications making us a market leader.

In all emission production areas: greenhouses, stationary power stations, incineration plants, transport or passenger ships, and larger vehicles with diesel, gas engines or gas turbines, our major components are in house products of SINOx® Emissions Control.

The SINOx® CO<sub>2</sub> System 701 has been specially developed for application in greenhouses. The purified and CO<sub>2</sub> optimised emissions are ideal for the accelerated growth of plants, vegetables and fruit - of course meet required local emissions limits.

Many greenhouse operators are choosing to install engines at their facilities due to the significant benefits: lower power costs, lower fertilizer costs and revenue generated by excess power sales. Let Johnson Matthey be your SCR system integrator for greenhouse applications.



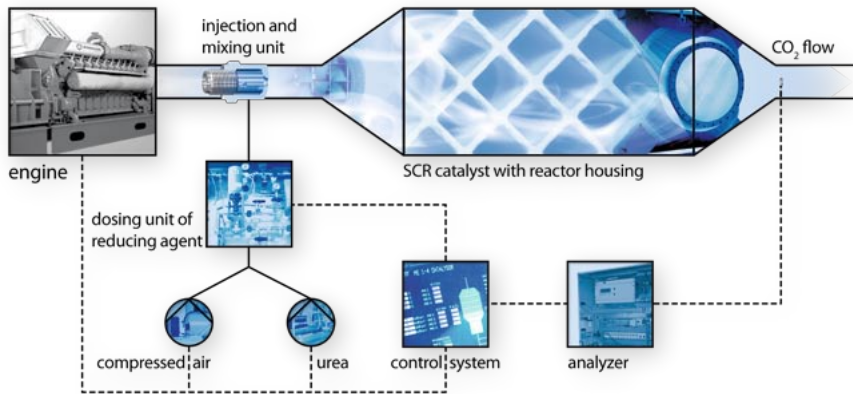


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## Innovative components – individual service

Our complete SINOx® Emissions Control System contains:

- Reactor and mixing duct with SINOx® SCR and catalyst
- Advanced logic controller with a remote connection for diagnosis, data acquisition and software updates
- Qualified emissions analyser for nitrogen oxide and ethylene, for compliance with local emission limits
- Industrial quality tank and pumping station
- Air and urea injection control system
- Air compressor supply system



The compact construction of our modular system is designed for flexibility and rapid customer system integration. Our greenhouse operators thus benefit from our modular functionality. The modular SINOx® CO<sub>2</sub> System 701 can be optimally adapted to a customer's individual requirements.

## Proven Technology – Worldwide Experience

The reliability of our individual components and the industrial reliability of our system are a result of our stringent quality assurance process. As a product of the SINOx® Emission Control line, the SINOx® CO<sub>2</sub> System 701 fulfils high technical standards and is certified to ISO 9001 and ISO 14001.



Our customers can rely on our rapid support with our service agreements and maintenance contracts. Our service and maintenance contracts ensure the reliable operation of all SINOx® Systems worldwide.

Johnson Matthey and our global know-how make us the market leader with a solid financial background and more than 1000 employees.

In addition to our worldwide competence in development, fabrication and distribution of SCR catalysis and components, Johnson Matthey offers planning and support for the engineering of different SINOx® Systems – including flow modelling if needed for the optimisation of your configuration.

## Please contact us for further inquiries:

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