



Genano® VOC Series

Smart catalytic solution for exhaust gas VOC abatement



Significant
cost
savings

VOC emissions are significant greenhouse gases, and therefore regulated by national and EU-wide directives.

- Many industries, such as printing, painting, coating and pharmaceutical industries, use large amounts of solvents in their processes.
- Traditional VOC abatement takes place by thermal oxidation. This process requires high temperatures and has therefore high operating costs.

Genano® VOC series are state-of-the-art VOC abatement systems.

- They have been developed to clean industrial waste gases in an energy efficient manner, and fulfill the requirements of the EU VOC directive.
- They utilize a catalytic oxidation reaction which is cost-efficient, compact in size, and produces no harmful by-products.

Reduce solvent emissions – efficiently

99 Catalytic oxidation functions at up to 500 °C lower temperatures than thermal oxidation. This results in significant heating energy savings, every day.

Genano VOC series utilizes a catalytic oxidation method, which has several major advantages over traditional thermal oxidation.

Significant cost savings

Catalytic oxidation functions at up to 500 °C lower temperatures than thermal oxidation. This results in significant heating energy savings, every day.

- Above the auto thermal point (which starts from 0.6 g/Nm³) no extra heating is required.
- Also the maintenance costs for Genano VOC are low.

No harmful by-products

Because of the low operating temperature, harmful by-products such as carbon monoxide (CO) and nitrogen oxides (NOx) are not produced.

Compact size

The catalytic oxidation requires only about one third of the physical space required for thermal oxidation installations. This makes transportation, custom installations and upgrading existing thermal oxidizers with Genano VOC easy.

Fully automatic operation

Genano VOC automatically adapts to varying flow rates and VOC concentrations and is remotely controlled.



Custom solutions

Genano VOC installations are always custom-designed according to your needs.

Depending on the VOC concentration, we recommend a regenerative or recuperative catalytic oxidizer installation.

Contact us for more detailed technical information:

www.genanosolutions.com