



# ZeoOx™

## Reducing VOC emissions with ZeoOx™ For all types of VOC (volatile organic compounds)

ZeoOx™ reduces peak-loaded, constantly fluctuating or low to medium VOC flows by means of suitable adsorbents using regenerative photo-oxidation. Material flows and peaks are equalised and/or concentrated and then fed to a combined UV catalyst stage.

In this way, degradation rates > 99 % can be reliably achieved at the lowest operating costs.

ZeoOx™ is widely and successfully used in:

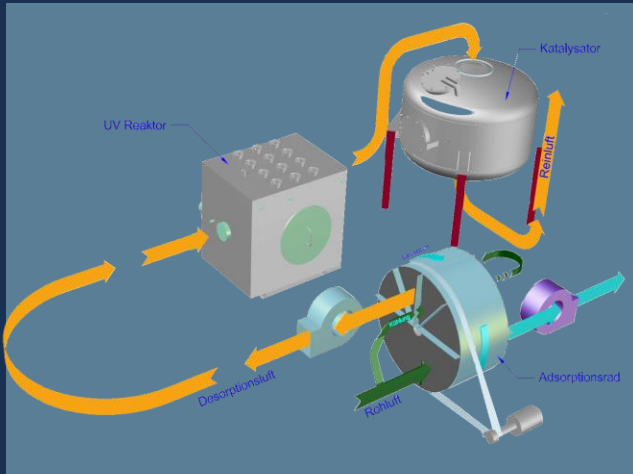
- Food production and processing
- Cosmetics and flavours industry
- Paint and varnish production
- Chemical industry
- Pharmaceutical industry
- Metal and automotive industry

BAT  
GUIDELINES  
KONFORM

CO<sub>2</sub>  
EMISSION-  
NEUTRAL

# Benefits

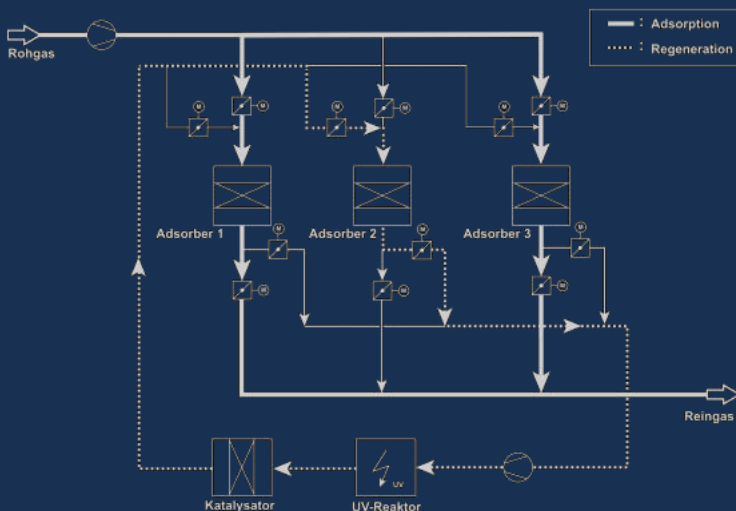
- suitable for fluctuating emissions and peaks
- also suitable for odorous substances
- suitable for media with humidities < 70%rh and temperatures < 40°C
- suitable for difficult-to-degrade compounds due to powerful emitters
- suitable for very large volume flows with low/medium concentrations
- positive energy balance due to energy recovery and extraction
- minimal CO2 footprint (compared to TNV)
- low space requirement
- power reserves available, easy to retrofit
- flexible adaptation to concentration fluctuations, dimmable
- low maintenance requirements



Principle of regenerative photooxidation with adsorption wheel



adsorption wheel



Schematic representation ZeoOx