

sonUtec delivers Catalytic Oxidizer

SonUtec delivered the equipment for a chemical plant, which needed an upgraded air pollution abatement system for its production extension. The aim is to oxidize the solvents into non-dangerous substances by sending them through a catalyst. Besides the catalyst there is also extensive knowledge about the safety technologies needed, because the concentrations of pollutants can become so big, that an explosive atmosphere is formed. To prevent this, modern sensors and safety controllers are used.

By using a heat exchanger, the heat generated by the burning of the solvents can be used to pre-heat the waste air. This reduces the running costs for the end user.

Data:

Volumetric flow	up to 5 000 m ³ /h
Temperatures	up to 450°C inside catalyst
Concentrations	up to 20 kg/h solvents
Clean gas	< 5 ppm Total organic components (TOC)



Catalytic oxidizer (CATOX)