
DESORPTION

Description/Application

Through stripping (a form of desorption) contaminants are physically transferred from the liquid phase into the gas phase. The liquid phase is brought into contact with a considerably larger volume of reverse gas flow. Normally this takes place in a desorption column.

For the improvement of the mass transfer between the gas and the liquid phase stripping columns are filled with filling material with a high surface area.

After stripping normally a treatment of the discharged air follows. Delta Umwelt-Technik GmbH applies therefore:

- adsorption with activated carbon for air,
- catalytic oxidation,
- or photo catalytic oxidation in the case of VOC's.

Experience and application

Mainly the Delta Umwelt-Technik GmbH uses the desorption for the treatment of groundwater with VOC and flourine compound contaminations as well as other substances (e.g. MTBE).

A speciality of the Delta Umwelt-Technik GmbH is the use of the (above mentioned) photo catalytic oxidation process. Through this cleaning step plant specific problems (e.g. siltation of the filling material) can be inhibited as far as possible, considerably decreasing the cleaning costs.

