

TECNIUM[®]

PROCESS



**DESIGN ENGINEERING INSTALLATION
OF GAS TREATMENT**

STRIPPING PROCESS :

On many occasions water treatment requires elimination of soluble compounds with high vapour pressure. **TECNIUM PROCESS** has developed numerous applications based on liquid-gas exchange, improving their efficiency by using innovative contact elements. Compounds such as NH_3 , SO_2 , CO_2 and numerous organic derivatives are susceptible to be submitted to **Stripping**.



INDUSTRIAL REFERENCE :

Degassing installation for ammonia in leachates originating from solid waste disposal landfill (emission of 15 p.p.m.)

The process is completed by eliminating the ammonia released through absorption in acid medium.

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Trichlorethylene stripping in industrial water effluents originating from metal parts degreasing. Material used: Polypropylene and glass fibre reinforced polyester (GRP). QUIMIPLEX type contact elements.



Degassing of CO₂ in water coming from reverse osmosis plants and ion exchange. Material used: AISI 316. Flow rate : 2 m³/h. Emission : 25 mg/l The kind of installation used is a crossed diffusibility unit thus allowing efficiency improvement of the liquid-gas ratio while energy consumption is kept low.

TECNIUM PROCESS offers multiple applications for treatment, cleaning and filtering of gas by using dry or wet systems. Our scrubbers, venturis, multiventuris, bag filters, degassers, biological filters, UV units etc. have been able to resolve numerous problems in the fertilizer industry, water treatment, surface treatments, odour elimination etc.

The solutions we offer are comprehensive and competitive, because we use corrosion resistant materials such as **POLYPROPYLENE, GLASS REINFORCED POLYESTER (GRP), PVC, PVDF....**, conventional **COATINGS** and **special ALLOYS**, and coordinate with our own means (design centre, fabrication and assembly shops, own R+D department, pilot plant etc.)

There are installations designed and developed by **TECNIUM PROCESS** in many countries all over the world: in Europe, America, Middle East, Far East, North Africa, in cooperation with Engineering Companies like FOSTER WHEELER, TOYO, MONSANTO, TECNICAS REUNIDAS, ONDEO DEGREMONT, LURGI.... To mention some of our customers: ALUMINIUM PECHINEY, ARKEMA, SOLVAY, BAYER, REPSOL, etc.

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