

## **Biological Desulfuration** Perforating biofilters (Biotrickling)

**Dimamex** builds gas treatment facilities for urban sewage and industrial wastewater. The process of removing contaminants by biological desulfuration **works without necessity to add hazardous chemicals and reagents.**



Stable and effective treatment over 99%.

Reactors made of GRP high reliability, durability and achieving the best efficiency quality of emissions.

For  $H_2S$ , mercaptans and  $NH_3$  removed biological process.

Odorless emissions.

Reuse of WWTP effluents as nutrients.

Zero consumption of chemical reagents.

Maximum savings in operating costs.

High adaptability to process changes.

Designed and customized facilities to reach customer needs.

Highest efficiency of specific bed material.

**Dimamex: union between manufacturing and engineering**  
We manufacture all equipment designed directly  
by our engineering department.

## Process

-Operation Based on the metabolic system of certain microorganisms which use contaminants ( $H_2S$ ,  $NH_3$ ) for its growth.

-The design consists of a plastic filler bioreactor within which incorporates immobilized biomass.

## Accessories



Bell gas extraction



Valve PPH



Pipes



Ventpipe

## Covers



We manufacture **custom covers for any type of construction** such as thickeners, mazes chlorination tanks ...

**These fully removable covers**, are designed depending on the type of cover to carry the load weight that can withstand exterior coat and color may be decided by customer.

We manufacture **diameter between 1 meter and 30 meters**. We also manufacture square or rectangular covers with interior supports in GRP.

### The covers may have accessories and color a customer chooses :

- Access manholes into Dn-500/600 PN 0.2, screwed.
- Access manholes into special measures.
- Air inlet grille.
- Gas extraction sockets.
- Input sockets product.
- Detector sockets.