

## PLANT PORTRAIT

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### Fluidized Bed Technical Plant

#### BAMAG GmbH, Germany, Butzbach

This pilot plant serves for testing and lay out of nozzles for full scale fluidized bed plants for the combustion of industrial and communal sewage sludge. Furthermore it is possible with this plant to test and analyze the process flow with different bed materials.



## PLANT PORTRAIT

- Measurement of pressure loss at the nozzles
- Testing of geometrical nozzle arrangement
- Determination of abrasion of nozzles
- Fluid behaviour of bed material

### Plant Data :

Fluidized Bed Plant : Construction in a Cabinet ( H 4,0m, B 1,0m, D 1,0m )

Fluidized Bed Reactor : Diameter 400mm  
Height above Nozzle Bed 2500mm  
Height of Nozzle Bed 800mm  
Material : PVC

Nozzle Bed : Steel Plate (removeable)

Fan : Volume Flow variable up to 500m<sup>3</sup>/h

Delivery 2006