Azurair™ Boost eliminates high concentrations of hydrogen sulfide (H₂S). Combining biological deodorization and physicochemical deodorization, it is specifically designed for warm climates and areas with high presence of sulfates in wastewater.

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innovation

capacity to treat high concentrations of H₂S utilizing a mix of two technologies

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control the odor pollution of wastewater treatment plants in warm climates

- savings
  lower use of bleach and very low electricity consumption

- safety
  treatment of H₂S at the point of issue

key figure

- savings in bleach used to treat high concentrations of H₂S
  up to 99%
Azurair™ Boost technology...

Composed of sulfur and hydrogen, hydrogen sulfide (H₂S) is a pollutant often emitted by wastewater treatment plants (rotten egg smell). Inhalation can cause – depending on the quantity – loss of consciousness and even death. H₂S also corrodes concrete and metal within purification facilities. When in contact with collector walls, it transforms into sulfuric acid.

A combination of two types of treatment: biological deodorization technology works within a tower filled with synthetic medias (or “filler”) spread onto one or more levels, and on which will develop the biofilms loaded with micro-organisms that will use the H₂S in their metabolism. Arriving at the base of the tower, the air passes through the biofilm, regularly sprayed with water to optimize performance. Next, the air joins the plenum chamber where it is rerouted via ventilator, towards the physicochemical treatment phase.

...what it can do for you

By combining the two technologies, the advantages of each are optimized:

- the biological deodorization avoids the use of reagents
- the physico-chemical deodorization adapts instantly to the slightest load variation to meet the guarantees

1. air highly charged with H₂S (biological pretreatment)
2. homogenizing air
3. chemical polishing

Among our references

As Samra, Jordan
capacity: 3,000,000 PE

La Farfana, Chile
capacity: 3,000,000 PE

SUEZ treatment infrastructure
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