



WATER



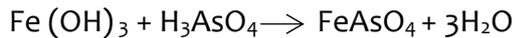
RAVASOL IRON-X

PURIFYING OUR AIR AND WATER



GENERAL

Iron Hydroxide is a reliable media for removal of Arsenic (III. And V.). It is highly reactive, stable and long lasting. Iron x has a Nano sized and porous surface structure of the media. The ideal use is for large applications with thousands of gallons a day. The product is environmental and economically friendly. Due to a high stability is a flow rate reduction of the water.



APPLICATIONS

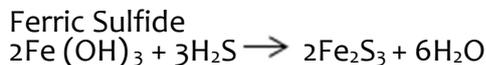
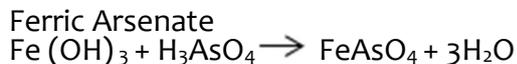
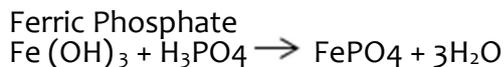
- Removal of Arsenic III. And V. from natural water and waste water
- Phosphate removal for sewage treatment
- Phosphate elimination from lakes, basins and ponds
- Removal of Selenium, Antimony, Antimony, Copper, Chromate and Molybdenum
- Removal of heavy metals in industrial waste waters
- Removal of hydrogen sulfide (H₂S)

ADVANTAGES

- Arsenic removal to less than 10 ppb.
- No regeneration required
- Long product life cycle
- High reliability, even with varying water conditions
- Simple water treatment equipment with low maintenance requirements
- Easy add on to existing water treatment equipment
- Highly efficient
- Few restrictions on performance such as pH and oxygen levels

OPERATING CONDITIONS

Arsenate and phosphate ions adsorbed to the surface of Ferric Hydroxide. The next step is a chemical conversion to stable ferric arsenate.



Adsorption capacity

As ⁵⁺	9-12 g As / kg Ravasol IRON-X
P ⁵⁺	12-16 g P / kg Ravasol IRON-X
Heavy metals	5-8 g / kg Ravasol IRON-X
Oxidation capacity for H ₂ S	Up to 20% Dry Weight

Recommended contact times

Arsenic	< 2.5 minutes
Phosphates	< 4 minutes
Copper, Zinc	< 3 minutes
Heavy metals	< 3 minutes
Hydrogen sulfide	< 1 minute