

Chlorination Systems

Description

Chlorination involves adding a measured amount of chlorine to the water to produce a residual sufficient to kill bacteria, viruses, and cysts. Chlorine is typically added to water using chemical feed systems to inject liquid sodium hypochlorite (bleach) solution or added as gaseous chlorine. The killing effect of chlorine depends on the pH of the water, temperature, chlorine level, and contact time. Chlorination must be followed by ACF for drinking water.

Salient Features

- Proven reduction of most bacteria and viruses in water
- Residual protection against recontamination
- Ease-of-use and acceptability
- Proven reduction of diarrheal disease incidence
- Scalability and low cost



Applications

- The Chlorination system has vast applications due to its effectiveness and low operational and maintenance costs
- The Chlorination system has Domestic, Industrial and Pharmaceutical applications

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