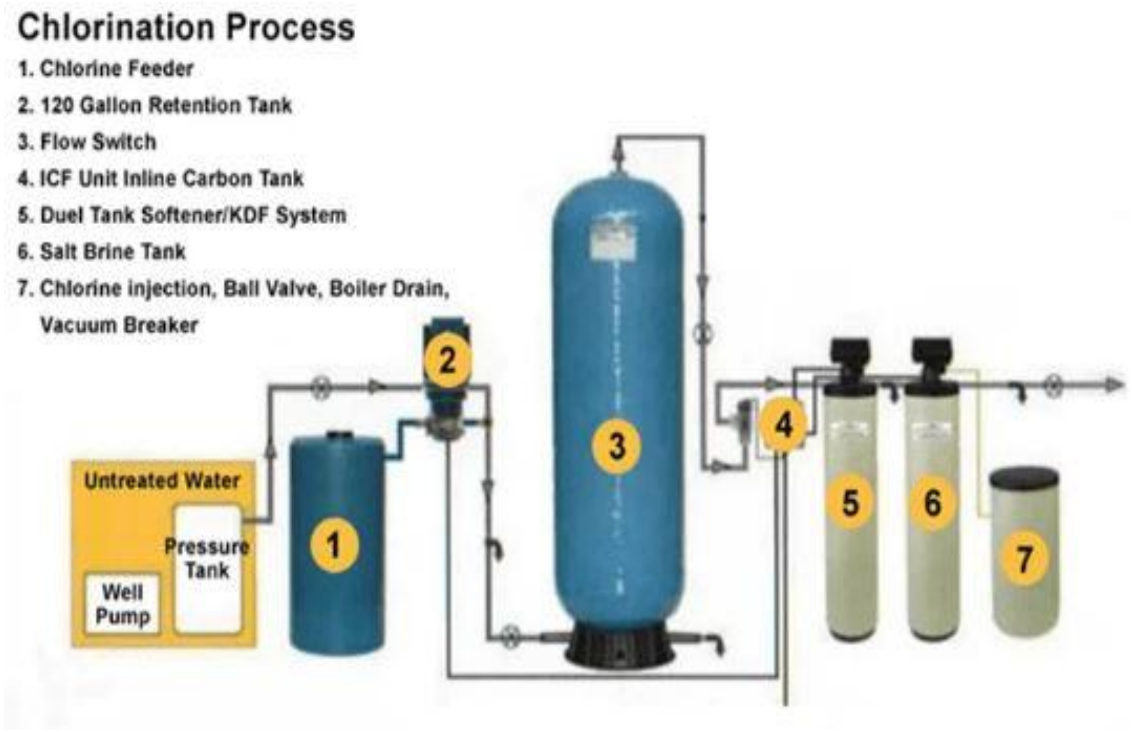
ROCKERHILL

A chlorination system is a water treatment method that uses chlorine to disinfect water by killing harmful microorganisms like bacteria and viruses. It's a widely used and cost-effective way to ensure water safety for drinking, swimming pools, and industrial processes.



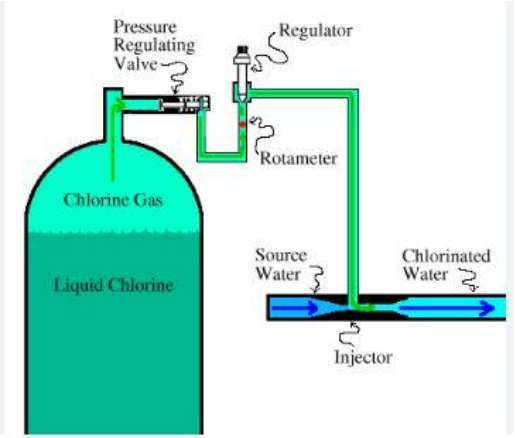
How it works:

Chlorination functions through a chemical reaction between chlorine and water, during which chlorine acts as a powerful oxidizing agent. It destroys harmful microorganisms by breaking down their cellular structures, effectively neutralizing pathogens and preventing their spread.

Types of Chlorination Systems

- **Gas Chlorination**

Gas chlorination introduces chlorine gas directly into the water, offering a highly efficient solution for large-scale disinfection. It is a preferred method in **municipal water treatment plants** due to its effectiveness and scalability.

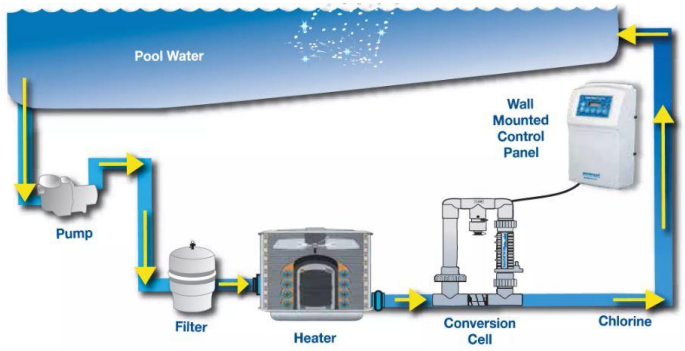


- **Liquid Chlorination**

This method uses liquid chlorine solutions to disinfect water, allowing for **precise dosage control**. Liquid chlorination is widely adopted in **industrial and commercial applications** for its flexibility and reliability.

- **Tablet Chlorination**

Tablet chlorination involves the use of **slow-dissolving chlorine tablets**, which release chlorine gradually into the water. It is ideal for **small-scale systems**, such as **residential water treatment units** and **swimming pools**, where ease of use and low maintenance are key.



Application

Municipal & Rural Supply

Clean water for communities

Water Treatment Plants

Purifying water for use

Ballast Water Ships

Controlling marine bio-contamination

Fire-Water Systems

Reliable emergency water supply

Swimming Pools & Parks

Safe water, fun experience

Power Stations

Preventing biofouling in systems

Cooling Towers

Preventing scale, boosting

Hotels, Apartments, Hospitals

Clean, safe water supply