



Chlorine Dosing System

The **ALLIED PUMPS** Chlorine Dosing System is designed to automatically monitor and maintain the correct amount of chlorine in a potable water storage tank in accordance with Australian Drinking Water Guidelines (ADWG).

Water is chlorinated by using sodium hypochlorite solution or on-site chlorine generators. The components in our Chlorine Dosing System are sized to suit the required chlorine usage rate and the sodium hypochlorite storage tank refill frequency. We provide options for duty standby dosing pumps to improve plant reliability, a flow transmitter and a static mixer if required to improve mixing. Allied Pumps Chlorine Dosing Systems are available as either skid mounted for internal or external installations, or containerised with air conditioning to avoid chlorine degradation.

ALLIED PUMPS has over 30 years' experience in the water and wastewater industry and specialises in providing packaged treatment solutions for challenging applications. Chlorination focuses primarily on microbial disinfection. However, chlorine also acts as an oxidant and can remove or assist in the removal or chemical conversion of some chemicals.

KEY FEATURES

- Simple to maintain
- Continuous monitoring of residual chlorine levels
- Ability to add remote monitoring if required
- Safe drinking water

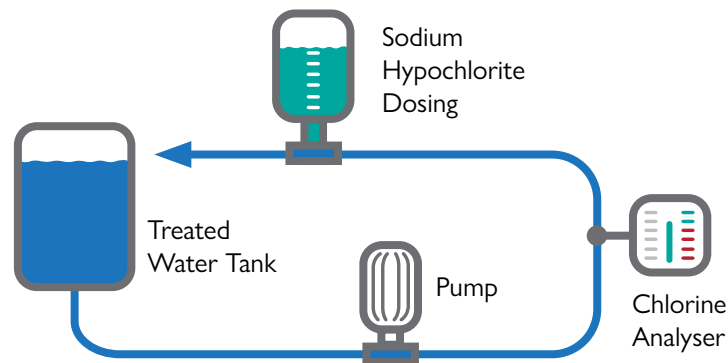
APPLICATIONS

- Water
- Wastewater
- Sewage



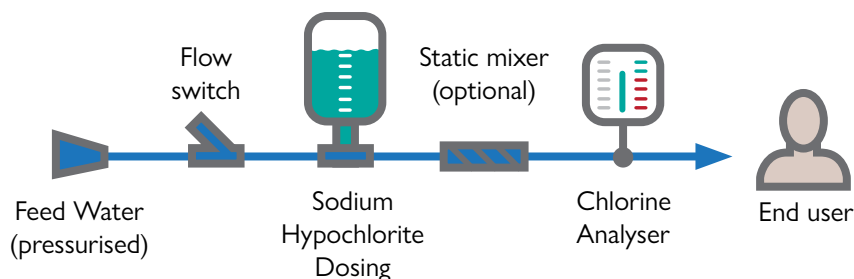
RESIDUAL TRIM CHLORINE DOSING

Our Residual Trim Chlorine Dosing system is designed to automatically maintain the correct levels of free chlorine in the potable water storage tank. Potable water from the tank is recirculated through a chlorine analyser which monitors the free chlorine levels in the water and sends a signal to the chlorine dosing pump. The pump will dose the correct amount of sodium hypochlorite into the line to maintain the pre-set residual chlorine levels.



FLOW PACED CHLORINE DOSING

The standard treatment process includes an inline chlorine analyser which monitors residual free chlorine and a dosing pump to automatically dose liquid sodium hypochlorite as required, into the potable or treated water pipeline



ON-SITE GENERATION

On-site sodium hypochlorite generation through electro chlorination is a cost-effective, reliable, proven and safe alternative disinfection water treatment method. It is stable and easy to feed. Less chlorine is lost to the atmosphere because of better mixing and retention in treated water.

The on-site sodium hypochlorite generation systems reduce risks by eliminating the production of disinfection by-products resulting in water that is free of pathogens. Standard systems can meet various requirements and production ranges from 1 kg/day to 136kg/day chlorine equivalent. Larger systems can also be designed and supplied to meet non-standard requirements.

CONTACT US FOR MORE INFORMATION

At Allied Pumps we have over 30 years' experience designing, manufacturing and installing solutions that meet Australian Standards. Contact one of our sales staff today and see how we can help you.