

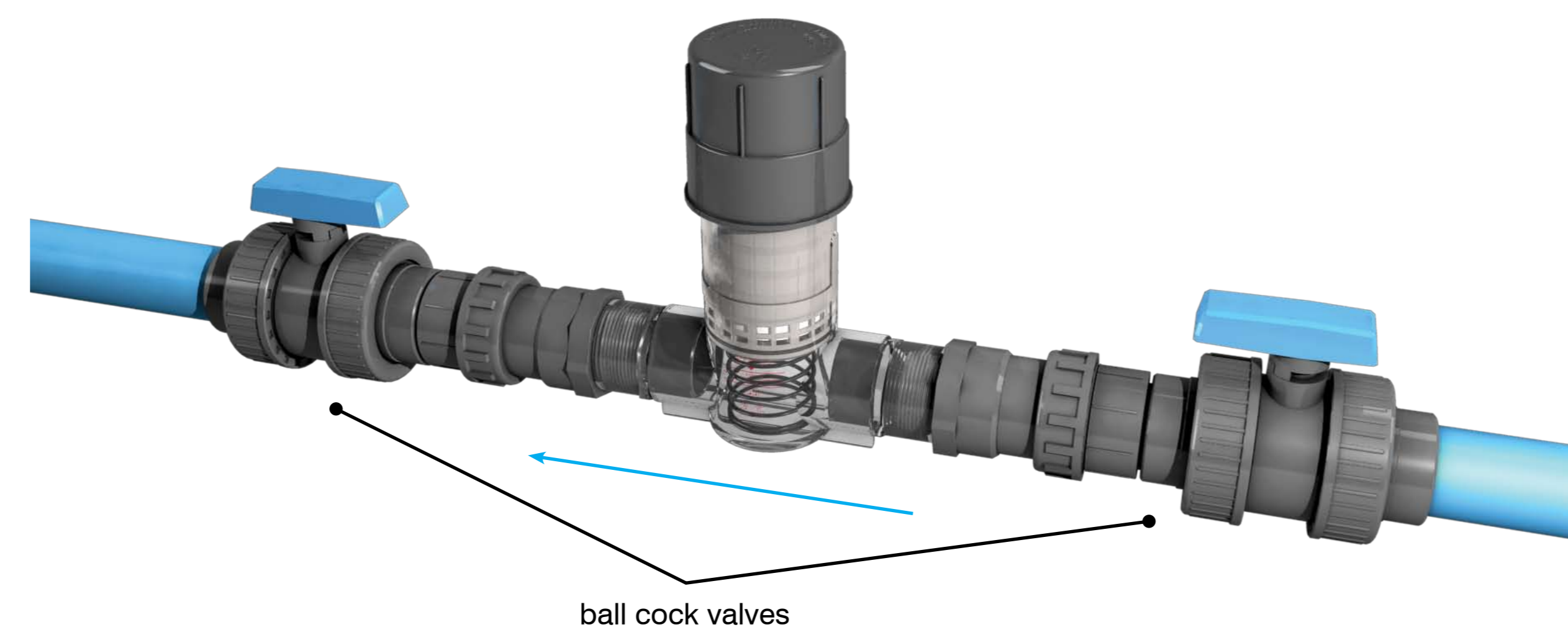
KLORMAN®



Klorman Components

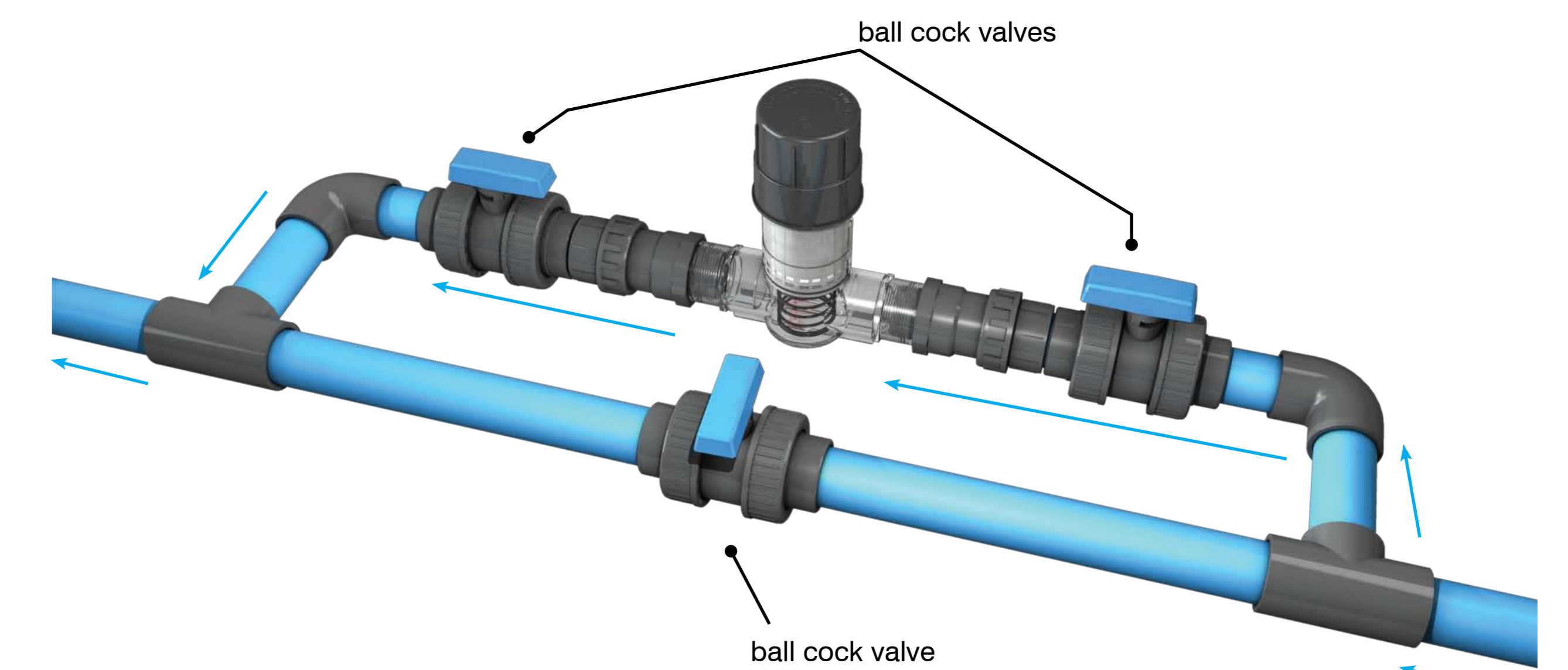
Klorman In-line Set Up

Ideal for end of the line applications and where the primary water flow will not be affected by reducing or increasing the flow through the unit



Klorman Bypass Set Up

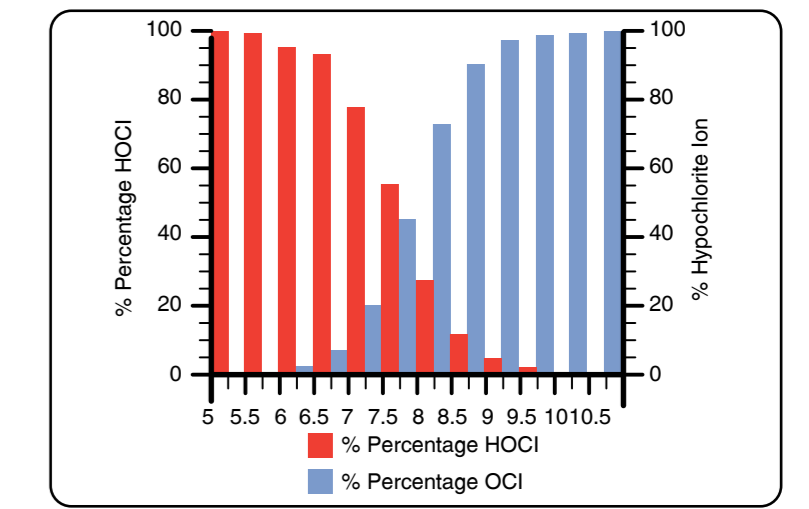
This setup gives your more control and allows you to shut the unit off without disrupting the primary water flow



The effectiveness of any chlorination program is more dependent upon the pH of the system than either the quantity or type of chlorine compound used (see table below). Unless pH is optimal, a large percentage of chlorine is converted into other chlorine-containing molecules (e.g. Hypochlorite ion, OCl⁻). While the Hypochlorite ion is a sanitiser, it is not nearly as effective as Hypochlorous Acid (HOCl).

Calcium Hypochlorite - A Technical Overview

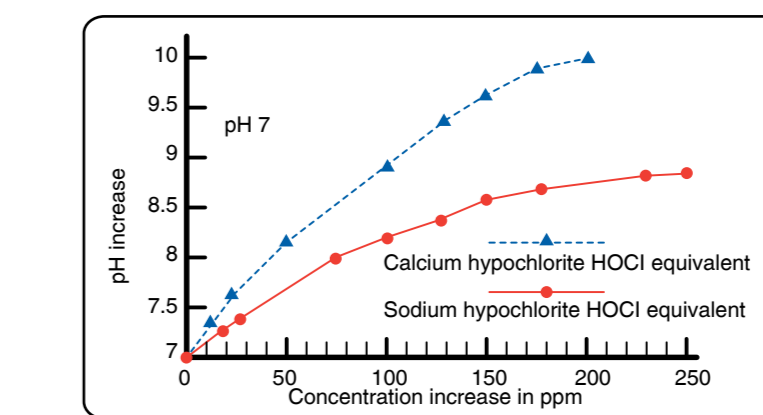
Hypochlorous acid and hypochlorite ion as function of pH at 20°C



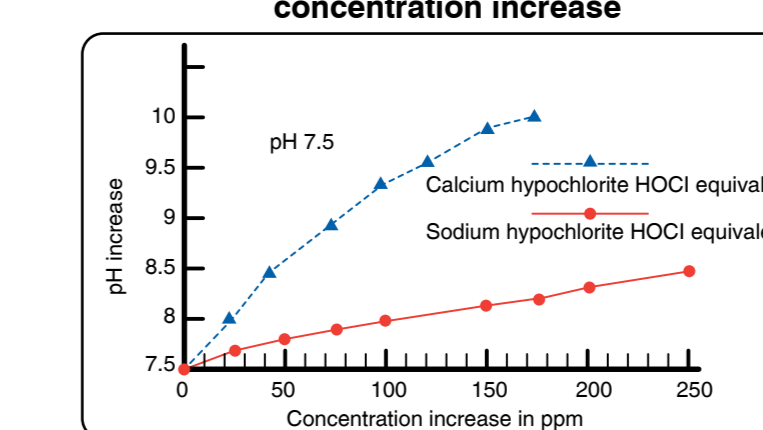
The effect of pH on HOCl or OCl equilibrium in a chlorine solution

pH	% HOCl	% OCl ⁻
4 and below	100.00	0.0
5	99.7	0.3
6	96.8	3.2
7	75.2	24.8
8	23.3	76.7
9	2.9	97.1
10	0.3	99.7
11	0.03	99.97

Comparison of HOCl presence between Liquid Chlorine and Buccaneer at pH 7 vs concentration increase



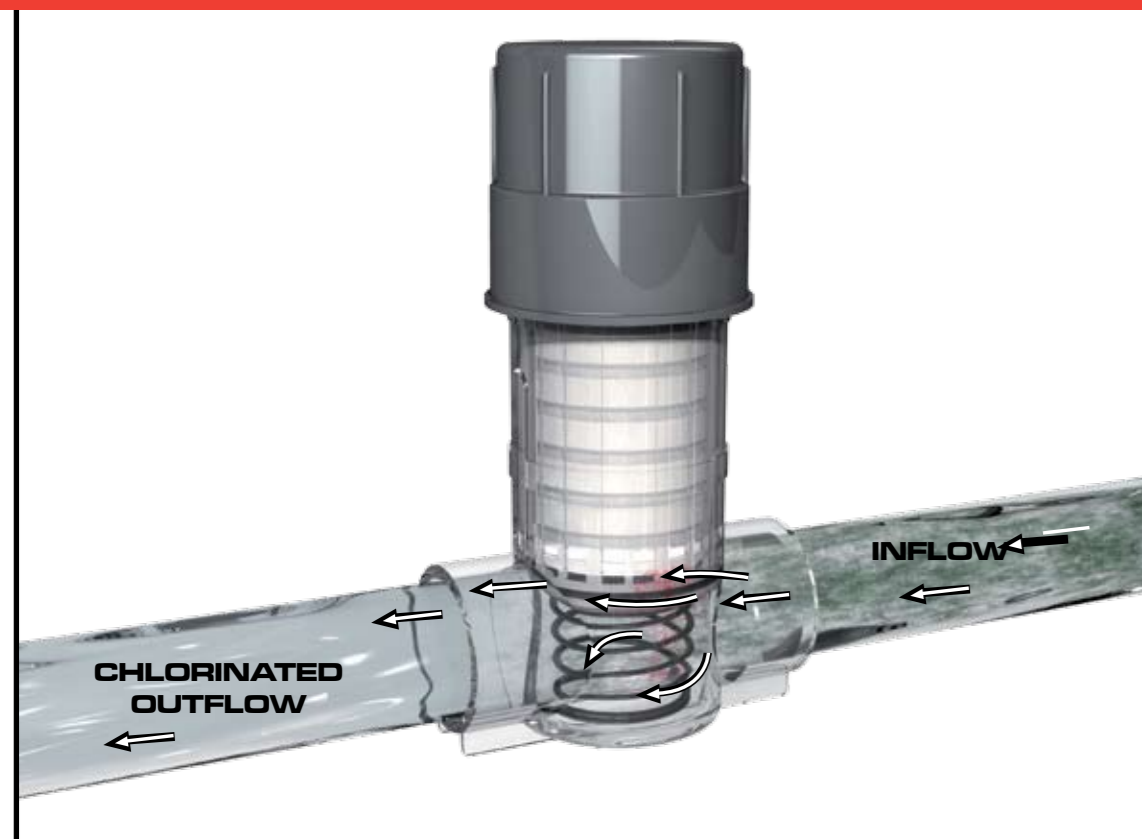
Comparison of HOCl presence between Liquid Chlorine and Buccaneer at pH 7.5 vs concentration increase



Use Applications

- Food processing facilities/pack houses
- Shelf life enhancement of:
 - Fresh meat
 - Seafood
 - Vegetables
- Other perishables
- Bio-fouling control
- Potable water disinfection:
- Environmental hygiene
- Mortuary/morgue sanitation and disinfection
- Sanitation of porous and non porous food contact surfaces
- Pre- and post harvest Fruit and vegetable washing
- Medical emergency care:
 - Fire departments, hospitals etc.
- Animal kennels

KLORMAN - Flow Diagram



KLORMAN - SPRAY SYSTEM
Wall Mounted with quick release hose system.



KLORMAN - SPRAY SYSTEM
Wall Mounted with quick release hose system.



Mounted on a "Big Blue" Water Tank



Chicken Process

