

APS

AQUAPULSE SYSTEMS

(888) 239-4447

Packing and Pre-Cooling Powerful Water Sanitizer

Advanced APS Dioxide™ Treatment



Ice Injector



Hydrocooler

Dump Tank

Spray Bar

Main Water



Advanced APS Dioxide™ Treatment

APS Chlorine Dioxide (non-chlorine) is one of the most promising treatments available today for use in packing and pre-cooling operations, such as dump tank, hydro-cooler, ice-injector, spray bar, well water, or the main water supply. It is 2.5x more powerful than chlorine, and is not pH dependent. It is affordable, technically superior and rapidly kills bacteria, virus, fungus, mold, mildew, algae, and spoilage pathogens.

Dump Tank Treatment

Various raw fruits and vegetables are received and washed in a dump tank or flumed, prior to packing. Treatment of this water system is critical since microbial contamination can build up that may cause cross contamination, and increase the risk of food borne illness. The APS Dioxide™ treatment rapidly kills the microbes, and maintains proper water disinfection.

Hydro-cooler Treatment

Several products are hydro-cooled to remove field heat using a water shower. The water system can build up micro-organisms and cross contaminate the other product loads being washed. Treatment with APS Dioxide™ rapidly kills the microbes, and maintains proper water disinfection.

Ice-Injection

Post harvest cooling process may use ice injection to rapidly cool product, and topped ice can continue to cool product after injection, as it melts. The ice slurry tank may build up microbial hazard, and cross contaminate subsequent loads. The powerful APS Dioxide™ treatment rapidly sanitizes the water, and is a simple solution to reducing microbial risk.



Spray Bar

Spray water across fruits and vegetables is an excellent way to add a secondary method of treatment. The APS Dioxide™ is a rapid sanitizer, and is particularly suitable to spray wash due to the short contact time.

Main Water and Well Treatment

Well water or main water system may be treated for disinfection, or may be used to carry a residual throughout the water distribution system. A mild sanitizer effect will remain throughout the facility, in washing, hosing, and cleaning.



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