

Accu-Tab® System

TABLET CHLORINATION



Simple, Low-Cost System that Reduces Cross-Contamination



Reduce Cross-Contamination of Harmful Bacteria Accurately and Consistently with Low-Maintenance Tablet Chlorination Systems.

PPG'S ACCU-TAB® TABLET CHLORINATION SYSTEM

The *Accu-Tab* Tablet Chlorination System by PPG provides a cost-effective solution to many of the food packing and fresh cut industry's safety and operational concerns. Recent outbreaks have brought more government and public scrutiny to food safety. The *Accu-Tab* System effectively chlorinates wash water to help minimize cross-contamination of food. It helps to reduce outbreaks by killing bacteria such as *E. coli* and *Salmonella*.

As an effective and consistent alternative to gas and bleach, the *Accu-Tab* System combines uniquely designed chlorinators with slow release 68% three-inch calcium hypochlorite tablets in a complete system that delivers consistent and controllable chlorine residuals.





SAFER. The *Accu-Tab* system minimizes the safety concerns typically associated with the use of alternatives such as POAA, Chlorine Dioxide and bleach in water treatment.

The *Accu-Tab* Chlorination System:

- Removes the risk of leaks common with the use of chlorine gas cylinders.
- Eliminates the need for an expensive safety system. Just rubber gloves and safety goggles are needed to handle calcium hypochlorite tablets.

SIMPLE. It doesn't get much easier than the *Accu-Tab* Chlorination System:

- Integrates easily with existing systems and PPG-trained specialists are available to provide expert installation and technical support.
- Requires only one person to add tablets and maintain the system. The unique three-inch calcium hypochlorite tablets are shipped in convenient and easy-to-store 55-lb. pails.
- Has few moving parts, no metering pumps, and no small openings that can clog making for a trouble-free, low maintenance solution to water treatment.

EFFECTIVE. Clean source water and minimize equipment downtime all in one step. The fully certified *Accu-Tab* Chlorination System:

- Is an accurate alternative to gas and more consistent than bleach.
- Offers a wide range of benefits that cannot be provided by any other single disinfectant.
- Provides residual protection to fight waterborne diseases.
- Works with manual testing programs or easily interfaces with most automatic control systems including flow proportion, ORP and chlorine analysis.



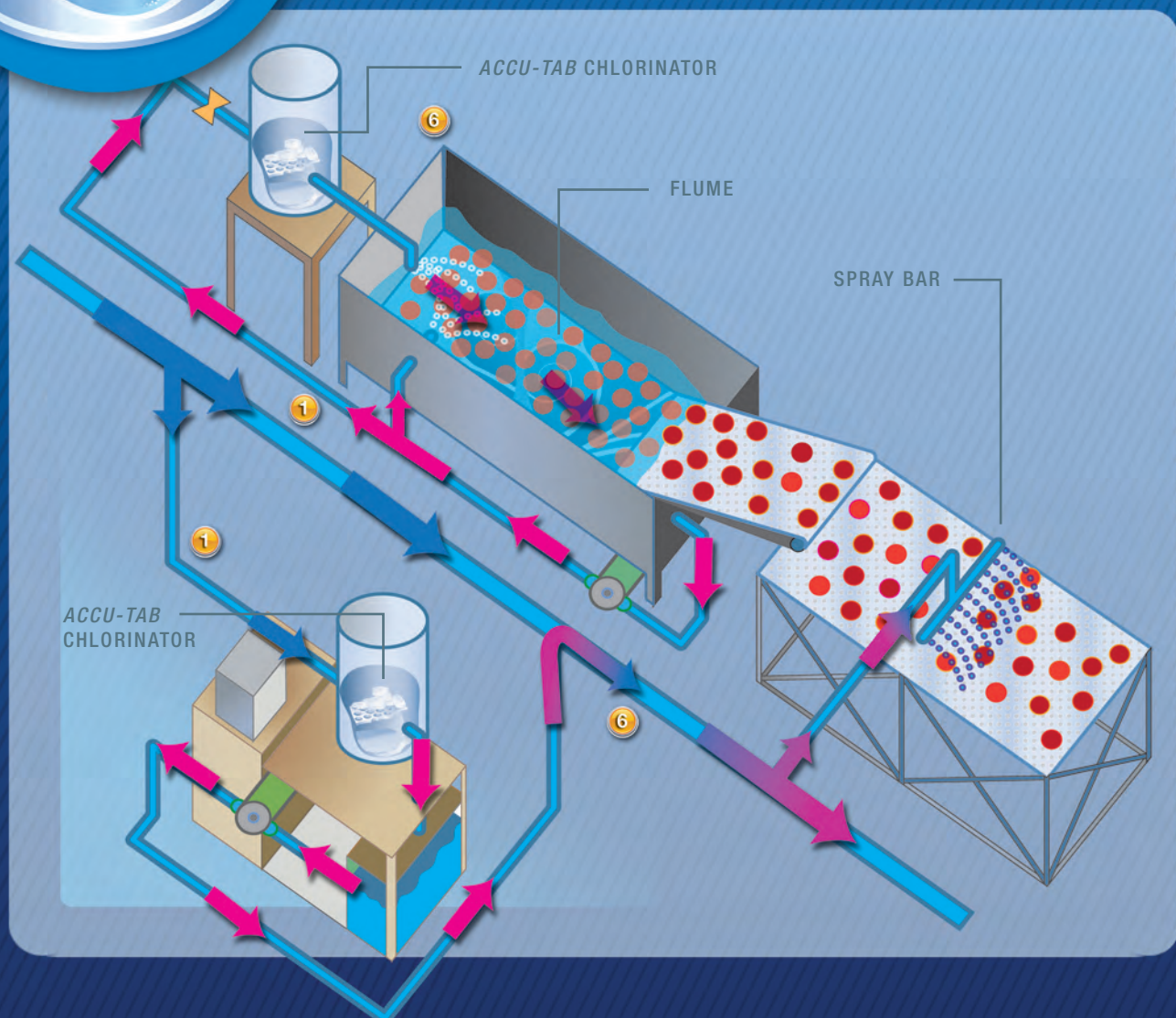
How the Accu-Tab System Works

The Accu-Tab System is easy to install and can be integrated into any existing system with low capital investment. Once in place, the system runs simply and efficiently with little to no maintenance.

A small side stream of water flows through the chlorinator. When water contacts the Accu-Tab tablets in the chlorinator, the tablets erode at a predictable rate. Once the water is chlorinated, it flows back into the flume and/or spray bar. The chlorinator automatically stops when the water flow is shut off, ensuring the tablets remain dry when the unit is not in operation. A control valve at the inlet allows precise chlorine residual control. Both manual and automatic control systems are available for your specific operational needs.



- 1 Side stream flows to the chlorinator.
- 2 Accu-Tab three-inch tablets sit on top of a sieve plate inside the chlorinator.
- 3 Intake water flow to the chlorinator is adjusted to control chlorine delivery.
- 4 Untreated water rises through holes in the sieve plate eroding the bottom of the tablets. The balance of the tablets remain dry.
- 5 Water is returned to the system with the appropriate amount of chlorine.
- 6 Chlorinated water stream meets main water flow and continues to the flume and/or spray bar.



The Accu-Tab Chlorinator and Tablet Advantage



Clockwise from top:
Model #3530, #3150,
#3012, *Accu-Tab* tablets,
and model #3075.

Accu-Tab chlorinators are made of rigid PVC with a wide range of sizes available to meet any chlorination need or requirement. With few moving parts, *Accu-Tab* chlorinators offer low maintenance and eliminate any concerns of spills or leaks.

Accu-Tab tablets offer a more neutral pH level and are less corrosive than other chlorination methods. Only three inches in diameter, the tablets are easily dropped into the chlorinator and allow for easy storage with packaging in 55-lb. pails.



The Power of Accu-Tab Over Bleach and Gas

FACTORS	ACCU-TAB® SYSTEM	PEROXYACETIC ACID	CHLORINE DIOXIDE	BLEACH
Safety	Easy to handle, no spills	Spill and leak concerns	Spill and leak concerns	Spill and leak concerns
Charging chemical	Easy to add tablets, only one person needed	Handling of hazardous liquid	Handling of multiple hazardous liquids	Hard to maneuver, heavy drums or lots of small carboys
Material compatibility	More neutral pH, less corrosive	Low pH, very corrosive to many metals	Low pH, very corrosive to many metals	High pH, corrosive
Convenience	55-lb. pail of tablets is easy to handle	Hard to maneuver 500-lb. drums or totes	Need to purchase multiple precursor chemicals for ClO ₂ generation	Bleach drums are awkward to handle
Maintains product strength	Small change over a year	Subject to rapid decomposition and off-gassing	Subject to rapid decomposition and off-gassing	Significant loss in a week
Chemical delivery control	Consistent strength makes for easy, reliable control	Loss of strength makes for control difficulty	Delicate balance between precursor chemicals needed for efficient generation	Ever-changing strength makes for control difficulty
Storage convenience	55-lb. pails stacked three high, same space as 150-lb. cylinder, no separate room	Heavy drums or totes require large space and possible containment pad	Large space required for generation equipment and chemical storage	Drums or bulk tanks require space and possible containment pad
Auxiliary equipment	No moving parts in chlorinator itself	Troublesome metering pumps required	High capital and maintenance costs associated with complex generation equipment	Troublesome metering pumps required

The *Accu-Tab* System offers a safe and state-of-the-art approach to wash water chlorination for food packing and fresh cut. The PPG-pioneered calcium hypochlorite technology of the *Accu-Tab* System is used worldwide. It is certified by NSF, USDA, EPA, FDA, AWWA, WSDA, CFIA, Health Canada and is approved for organic production. In addition to food packing and fresh cut, *Accu-Tab* Systems are used in applications for drinking water, irrigation, poultry plants, red meat processing, beverage plants and other specialized uses.



Visit www.accu-tab.com
for more information.



Accu-Tab Solution for Food Packing and Fresh Cut

SAFER.

- Safe alternative to POAA, Chlorine Dioxide and bleach
- No leaks or spills

SIMPLE.

- Low maintenance

EFFECTIVE.

- Reduces *E. coli* and *Salmonella* cross-contamination

Contact your *Accu-Tab* specialist to learn how the system can work for you.

Behind Every Accu-Tab® System is the Power of PPG Industries— Innovation, Science, Engineering, Experience.

Innovation backed by science. This has been the hallmark of PPG Industries since the company's founding in 1883. Today, PPG is a global powerhouse with sales and manufacturing facilities in more than 50 countries.

You'll recognize many of PPG's products, from Olympic® paints and stains to Transitions® photochromic lenses. PPG makes coatings that protect your computer and car as well as energy-saving glass for your home's windows. We are also one of the world's largest manufacturers of chlorine, with more than half a century of experience as a producer of chlorine and chlorine products.

Accu-Tab Certification and Approvals

- NSF Standard 60 and 61 listed for drinking water
- USDA approved uses: 3D, D2, G4, G5, G7 and Q4 for SI tablets
- AWWA Standard B-300
- FDA Approval 21CFR178.1010
- EPA Registration #748-295; approved for organic production
- Health Canada
- CFIA
- Approved for use in Certified Organic food production and handling under Washington State Department of Agricultural Organic Food Program



PPG Industries, Inc.
440 College Park Dr.
Monroeville, PA 15146
800-245-2974
+1 724-325-5962
Fax: +1 724-325-5047
www.accu-tab.com

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