Behind Every Accu-Tab® System is the Power of Axiall Corporation—At the intersection of chemistry and progress.

Axiall represents a new kind of chemistry company—one that works to responsibly harness applied chemistry to solve common problems, improve everyday life and drive human progress.

Bleaching a strong, downstream building products business with core material capabilities, Axiall delivers life-enhancing benefits. Axiall’s chemical products can be found in high performance plastics, pulp and paper production, packaging, chemical intermediates, pharmaceutically, medical and agricultural applications and paints, acrylics and varnishes. With its scale and resources, Axiall is committed to being a leader in sustainable practices, a responsible environmental steward, and a force for progress.

Accu-Tab System Certification and Approvals

- NSF Standard 60 and 61 listed for drinking water
- USDA approved uses: C2, G4, G5, G7 and G4 for SI tablets
- AWWA Standard B-301
- FDA Approval 21CFR178.1010
- EPA Registration #748-295
- Kosher approved

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As regulatory requirements and safety issues provide increasing incentive for water treatment plants to reconsider their chlorination systems, the Accu-Tab® system tablet chlorine solution provides safety and low-maintenance benefits as well as small capital investment, improving the performance of your plant.

Since its introduction to the water and wastewater treatment segments in 1993, the Accu-Tab® system by Axiall has become a leader in tablet chlorination. It is used as a cost-effective solution to chlorinate water plants as large as 14 million gallons per day (MGD) to smaller communities facing the unique challenges of well water disinfection. Throughout the United States and Canada, the Accu-Tab® system is used in drinking water applications for primary treatment or remote booster stations.

As an effective and reliable alternative to gas and bleach, the Accu-Tab® system combines specially engineered chlorinators with controlled-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 chlorine gas 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.
• Reduces the need for elaborate risk management programs associated with chlorine gas cylinders.

SIMPLE. It doesn’t get much easier than the Accu-Tab chlorination system:

• Integrates easily with existing systems and Axiall-trained specialists are available to provide expert installation and technical support.
• Requires only one person to load 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. Providing consistent chlorine delivery for improved performance. The Accu-Tab chlorination system:

• Erodes controlled release tablets at a predictable rate.
• Reduces disagreeable tastes and odors while killing harmful bacteria.
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.

Before water is moved into distribution, a side stream flows through the chlorinator and contacts the Accu-Tab tablets inside. The tablets erode at a predictable rate based on the flow rate of the side stream, allowing for a consistent delivery of chlorine. Once the water is chlorinated, it is injected back into the main water line. The chlorinator automatically stops when the water flow is shut off, keeping the tablets 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 plant’s specific needs.

1. A 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 contacting with bottom of 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 distribution.
The Accu-Tab Chlorinator and Tablet Advantage

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 **Accu-Tab** system offers a safe and state-of-the-art approach to municipal water treatment for improved operational performance in your water treatment plant. The calcium hypochlorite technology of the **Accu-Tab** system is used worldwide and is certified or approved by NSF, USDA, EPA, FDA and AWWA. In addition to municipal water, **Accu-Tab** systems are used in applications for poultry plants, red meat processing, fruit and vegetable processing, beverage plants, irrigation and other specialized uses.

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<table>
<thead>
<tr>
<th>FACTORS</th>
<th>ACCU-TAB® SYSTEM</th>
<th>GAS</th>
<th>BLEACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety</td>
<td>Easy to handle, no spills</td>
<td>Major gas leak concerns</td>
<td>Spill and leak concerns</td>
</tr>
<tr>
<td>Charging chemical</td>
<td>Easy to add tablets, only one person needed</td>
<td>Two trained persons needed, breathing protection required</td>
<td>Hard to maneuver, heavy drums or lots of small carboys</td>
</tr>
<tr>
<td>Material compatibility</td>
<td>More neutral pH, less corrosive</td>
<td>Low pH, very corrosive</td>
<td>High pH, corrosive</td>
</tr>
<tr>
<td>Convenience</td>
<td>55-lb. pail of tablets is easy to handle</td>
<td>Hard to maneuver cylinders, special handling training needed</td>
<td>Bleach drums are awkward to handle</td>
</tr>
<tr>
<td>Maintains chlorine strength</td>
<td>Small change over a year</td>
<td>Consistently 100% chlorine</td>
<td>Significant assay loss in a week</td>
</tr>
<tr>
<td>Chlorine delivery control</td>
<td>Consistent strength makes for easy, reliable control</td>
<td>Troublesome regulators needed, harder to automate</td>
<td>Ever-changing strength makes for control difficulty</td>
</tr>
<tr>
<td>Storage convenience</td>
<td>55-lb. pails stacked three high, same space as 150-lb. cylinder, no separate room</td>
<td>Separate room with special access needed, fans, scrubbers</td>
<td>Drums or bulk tanks require space and possible containment pad</td>
</tr>
<tr>
<td>Auxiliary equipment</td>
<td>No moving parts in chlorinator itself</td>
<td>Eductors, regulators have small orifices prone to plugging</td>
<td>Troublesome metering pumps required</td>
</tr>
</tbody>
</table>
Accu-Tab System for Municipal Water

SAFER.
- Safe alternative to gas and bleach
- No leaks

SIMPLE.
- Low maintenance
- Requires smaller footprint than similar bleach systems

EFFECTIVE.
- As effective as gas, more consistent than bleach
- Low capital investment

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