

ADVANTAGES & BENEFITS OF AP TECH SOLID CHEMISTRY PRODUCTS



AP Tech's solid chemistry water treatment uses state of the art, proven chemical technologies, which are manufactured into a solid concentrate. The products are transported in a low carbon footprint profile and applied easily at your site with reliable, small-footprint dissolving equipment. Cooling towers, boilers and closed loop systems receive the benefit of a well-run chemical program, without the hassles of dealing with liquids.

Whether you're looking to become LEED certified or for ways to make your facility safer & environmentally friendly while reducing economic concern, solid chemistry water treatment can help.

SAFETY BENEFITS

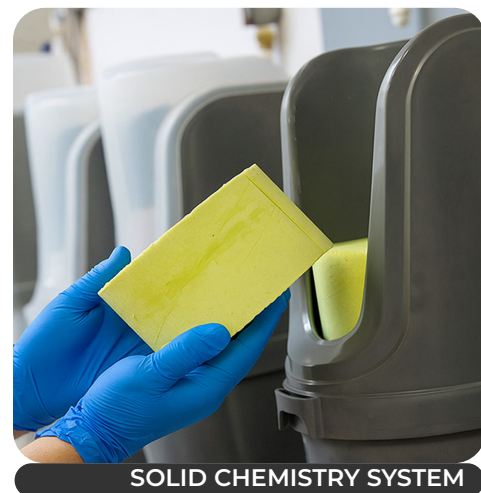
- Reduce the risk of spilling hazardous liquid chemicals into the environment during shipment, storage, or application.
- Improve operator safety by reducing hazardous chemical exposure.
- Reduce dangerous and offensive odors or fumes.
- Smaller profile solid chemistry water treatment products are safe and simple to apply; meaning safer, cleaner mechanical rooms.

SUSTAINABILITY BENEFITS

- Replacing each 55-gallon liquid drum with a solid product equivalent can lead to an annual reduction of 150 to 250 lbs of carbon dioxide, assuming an average shipping distance of 250 miles.
- Solid chemicals are packaged in readily recyclable containers.
- Solid chemicals do not require excess sodium hydroxide for maintaining product component solubilities, unlike liquids. Sodium hydroxide is hazardous as it is highly corrosive, and its production requires the use of large amounts of electricity.

ECONOMIC BENEFITS

- Maximize utility efficiencies and equipment life with proven chemistry by controlling corrosion, reducing scale deposits and eliminating microbiological deposits and fouling.
- Experience water savings by not needing to triple rinse drums and from increased cycles of concentration.
- Reduces costs from health issues due to chemical exposure and drum handling injuries.
- Eliminates need for eye wash station installation and maintenance in some cases.





COOLING WATER PRODUCTS

- Lean to highly stressed water scale & corrosion inhibitors
- Oxidizing and non-oxidizing biocides
- General-purpose and organic dispersants

BOILER WATER PRODUCTS

- All-In-One (internal treatment/oxygen scavenger/condensate corrosion control combined)
- Multi-functional options (internal treatment/oxygen scavenger combined)
- Purpose-specific (internal treatment, oxygen scavengers, condensate corrosion control, alkalinity booster)



CLOSED LOOP PRODUCTS

- Nitrite-based
- Molybdate-based
- Silicate Based
- Purpose specific (cleaners & passivators)



SPECIALTY PRODUCTS

- Precleaners/passivators
- Supplemental corrosion control
- Online cleaning/fouling reduction
- System sizing



DISSOLVING EQUIPMENT

Water is sprayed through a specially configured and calibrated spray nozzle up into the bottle or onto the surface of the lowest positioned disc. The water dissolves a portion of the product and collects it in the reservoir. This liquified product is now ready to be fed into the system.

- Panel mount systems available to accommodate multiple chemical needs and system sizes.
- Small footprint, keeps facilities clean, neat & safe.