

CHEMICAL DOSING TECHNOLOGY



TREATING WATER. **BETTER.**

PRECISE APPLICATION OF CHEMISTRY

The Silver Bullet Chemical Dosing System allows growers to clean water lines with controlled liquid chemical injection.

When a specific grow zone or room requires sanitation or shock treatment, each dosing system can be programmed to deliver necessary treatment without impacting other areas of plant production.

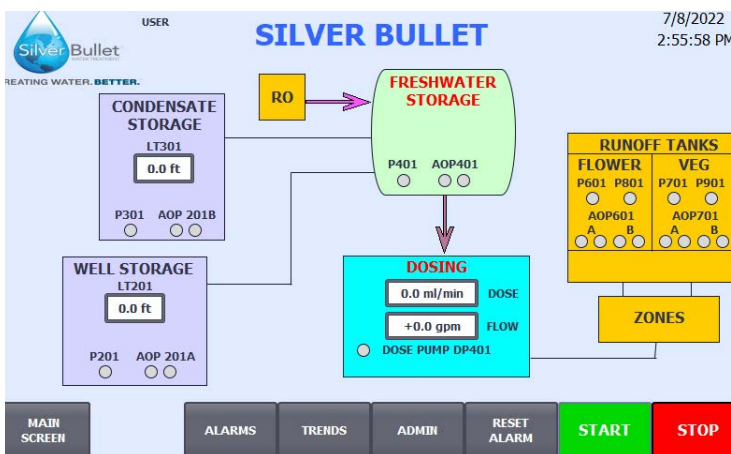
SBWT Chemical Dosing Systems provides flexibility in grower's choice of chemistry to mitigate unwanted microbial growth and scaling while remaining compatible with in-line equipment and preventing phytotoxicity. SBWT can also consult on optimal chemicals and hazard mitigation for your operations.

SBWT DOSING SYSTEM BENEFITS

- Mobile options available
- Halogen and peroxide chemical compatibility
- NEMA rated cabinet
- UL listed components
- Integrated safety features
- OSHA compliant
- Real-time monitoring and data analytics available
- PLC based control panel
- Ongoing technical support and maintenance service

CHEMICAL SOLUTION FEATURES

- Automated Processes
- Facility Integration
- Compatible With a Wide Selection of Chemicals
- Flexible Design for Your Specific Applications
- Multiple Modes of Dosing
 - Proportional
 - Shock
 - Scheduled



WATER MANAGEMENT SOLUTIONS
HORTICULTURE DIVISION

CONTACT SILVER BULLET!

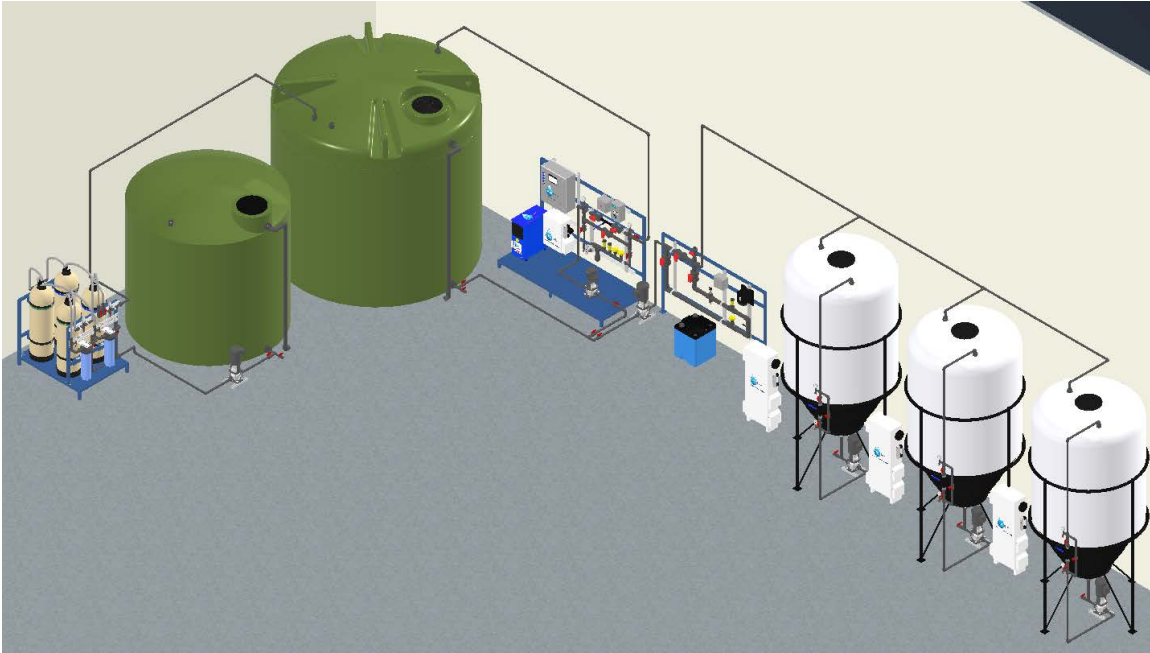
Engage with us to experience first-hand how our expertise, analytical services, engineering advantage, custom designed solutions, state-of-the-art technologies, and attention to YOU, allows Silver Bullet to **TREAT WATER. BETTER.**



CHEMICAL DOSING: IMPROVE OPERATIONS



TREATING WATER. BETTER.™



WATER MANAGEMENT SOLUTIONS HORTICULTURE DIVISION

Growers can leverage Silver Bullet’s chemical products and expertise to improve operations and ensure:

- Water Quality: pH, ORP, Conductivity, etc.
- Compatibility with Nutrients
- Supported Beneficial Microbes
- Reduced Environmental Impact
- Automated Controls
- Operational Safety
- Compliance

A few common irrigation treatment chemicals include*:

	Peracetic Acid	Hypochlorous Acid	Chlorine Dioxide	Hydrogen Peroxide
Recommended Dose	2 – 20 ppm	0.5 – 5 ppm	0.2 – 2 ppm	20 – 200 ppm
pH Impact	Lowers pH at high doses	Minimal Impact	Minimal Impact	Minimal impact
Expected ORP	+450 mV	> +550 mV	> +550 mV	+350 mV
Use Cases	Frequent-flush irrigation sanitization	Disinfection with residual chlorine	Biofilm prevention & line cleaning	Simple irrigation treatment
Environmental Impact	Minimal Impact	Byproducts of concern	Chlorite byproduct	Minimal Impact

**All chemicals listed here are STRONG OXIDANTS and should be treated with caution, especially in their concentrated stock forms. Store with secondary containment, use PPE (gloves, clothes cover, safety goggles) when handling, and DO NOT MIX with other chemicals without consulting the manufacturer or trained chemists. Please refer to manufacturer safety data sheets for more information on chemical product hazards and safe handling.*