



IntegraClean3.1™

The Complete Solution



Making Water Work



Reliable IntegraClean™ Water Treatment

Means Stable Cooling System Operation



IntegraClean™ Customer Saves

This telecom facility saves \$29,000 per year (based on its 24/7 operation) over its traditional chemical treatment program. Four towers totaling 3200 tons of cooling are treated by two IntegraClean™ skid mounted systems. Each of the four basins is fitted with its own CleanSweep™ piping. An eight inch Wave™ Reaction Chamber is installed on a typical side stream on the return line to the basin. Mounted on the skid are the GWS low head separator, pump, blow down system, InstAlert™ remote monitoring, and all controls.

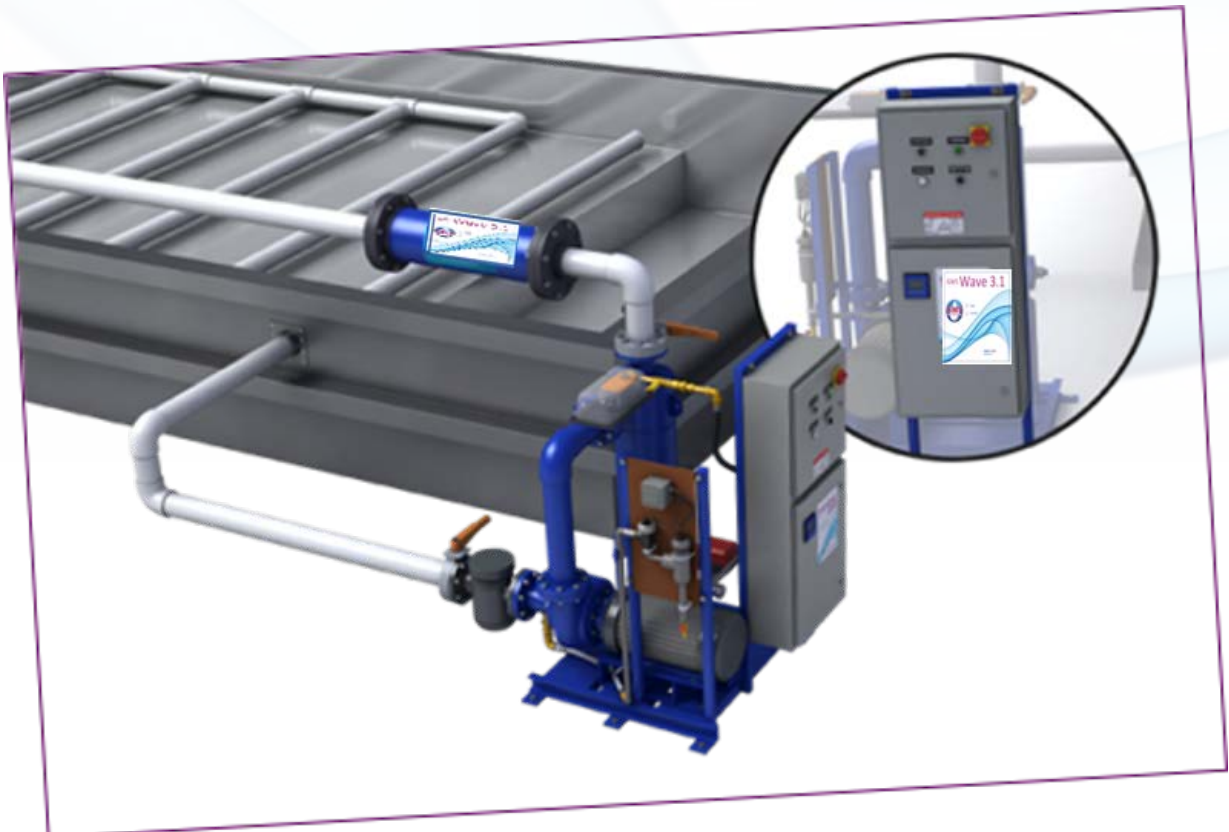
- ✓ Minimizes system upsets and allows optimal performance
- ✓ Includes regular professional monitoring service
- ✓ Improves water use by managing solids with CleanSweep™ basin sweeping
- ✓ Controls scale, corrosion, fouling, and biological life without hazardous chemicals
- ✓ Proprietary system, NEMA 4, uL listed, Wave3.1 fiberglass construction with unitized flanges and much more

General Water Systems IntegraClean™ is a **game-changing advancement** in the water treatment industry. To let our customers see for themselves, risk free, the effectiveness and reliability of IntegraClean™, we created the **Peace of Mind guarantee**. We promise your water treatment will meet agreed-upon industry standards, or the equipment price is freely refunded. This guarantee is inspired by our great confidence in IntegraClean™ as well as its stellar track record.

IntegraClean™

Guaranteeing Peace of Mind

IntegraClean™ water treatment allows a **cooling system to run reliably**, within specific parameters, in order to have an **efficient and cost-effective operation**. Excursions outside these normal parameters are expensive, as heat transfer degenerates and the risk of equipment damage increases. Potentially harmful solids, such as blown-in dirt, are well managed, providing for **optimum cycles of concentration** and reduced total operating cost.





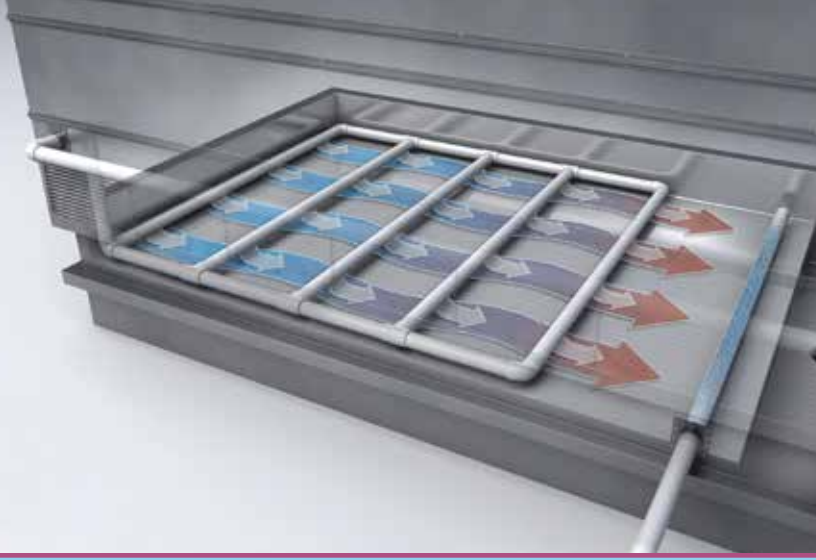
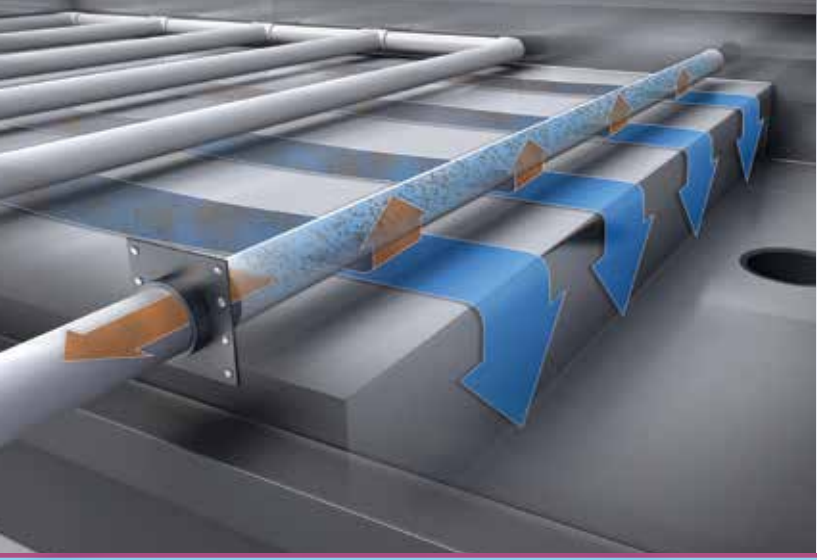
The Sustainable Solution

Because Our Children Depend On Water

General Water Systems provides an **environmentally responsible** approach to water treatment. Not only does IntegraClean™ **replace toxic chemicals** associated with traditional water treatment, it also preserves cooling system cleanliness through effective filtration and low-energy basin sweeping. When cooling systems are clean, system efficiency is preserved, resulting in energy savings. Chemical-free blowdown allows for **substantial savings through water reuse**. Multiple advantages for the end user include:



- ✓ Elimination of hazardous chemicals from water systems preventing toxic discharge to the environment
- ✓ Realization of significant water savings by operating cooling towers at higher cycles of concentration than possible with traditional water treatment
- ✓ Reuse of benign discharge water and the resulting reduction in purchase of potable water for these uses
- ✓ Elimination of employee exposure to toxic chemicals
- ✓ Reduced risk of exposure to pathogens lurking in a dirty cooling system



Integrated Design

The Heart of IntegraClean



The GWS Chemical-Free Wave3.1 water treatment, installed either full-flow or on a side stream, has the **strongest electronic signal** available today. Our engineers combined this powerful Wave3.1 with our revolutionary CleanSweep™ basin sweeping and our low head centrifugal separator, and designed IntegraClean™ as a **single point-of-purchase product**, skid-mounted for simplified, low-cost installation.



Our mission is to provide our customers with chemical-free water treatment that will allow their cooling systems to enjoy long term stability and operate in a consistent and reliable way. GWS pledges to guarantee customer satisfaction by:

- Engineering integrated water treatment and filtration products
- Maintaining a high level of applications experience and an in-depth water treatment knowledge base
 - Manufacturing the best in shop durable products
 - Providing dedicated field service to enhance our customers' enlightened operational practices



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