

# TOWER SENTRY SYSTEM™

## WATER TREATMENT AND FILTRATION SYSTEM

Imagine a system that controls scale, reduces bacteria, and filters out solids from your HVAC system without the use of hazardous chemicals or hand cleaning. Add to it a Tower Sentry Monitor that informs you by e-mail about the status of your tower while you're away from your facility. While you're at it, reuse the water in your facility - because you can: it's free of added chemicals. Water saved, money saved, good for the environment... That's Multi-tasking. Griswold's Tower Sentry System. Because the World Depends on Water.

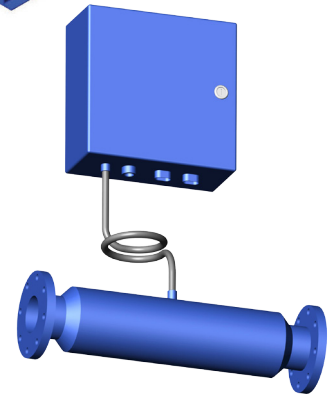
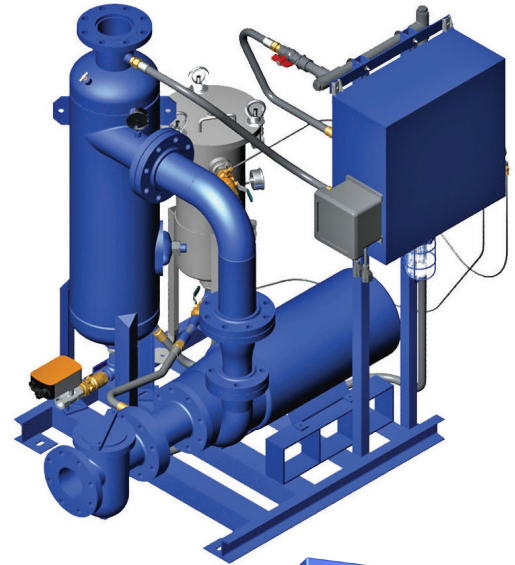
### APPLICATIONS

- Cooling Towers, including
  - Evaporative Condensers
  - Closed Circuit Coolers
- Hot & Cold Closed Loop Systems
- Heat Exchangers



### ADVANTAGES + BENEFITS

- ⇒ **Chemical Free & Environmentally Compliant Water Treatment**
  - LEED credit available
  - Allows for water re-use and water savings
- ⇒ **Controls and Removes Mineral Scale**
  - Increased Efficiency
  - Reduced Maintenance
  - Increased Service Life
- ⇒ **Controls Bacteria to acceptable Cooling Technology Institute (CTI) levels and eliminates Biofilm**
- ⇒ **Reduces risk of Legionella by removing sediments that serve to protect the harmful organisms**
- ⇒ **Energy Savings through Improved Heat Transfer, Low System Power Consumption**
- ⇒ **Rapid Return on Investment / Improves Cashflow**
- ⇒ **Remote Monitoring Easily Added**



### FUNCTION

System water is conditioned to:

- prevent formation of scale,
- eliminate biofouling, and
- remove dangerous sediments

without chemical additions by use of a combination of electronic precipitation and automatic filtration.

The need for chemical water treatment is minimized or eliminated.

## HOW THIS CONDUCTIVITY CONTROLLED SYSTEM WORKS

### COMPONENTS

- ⇒ **Wave™ Controller**
  - Prevents the Formation of Scale
  - Controls Bacteria and Eliminates Biofilm
- ⇒ **Basin Sweeper**
  - Directs the debris to the suction manifold.
- ⇒ **Separator and Purging**
  - Centrifugally removes settleable solids.



### KEY SYSTEM ELEMENTS + FEATURES CAN INCLUDE

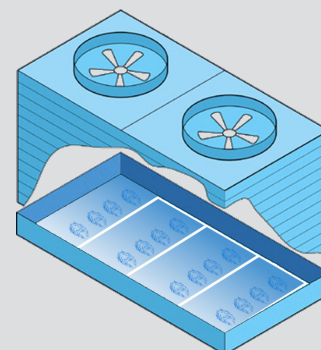
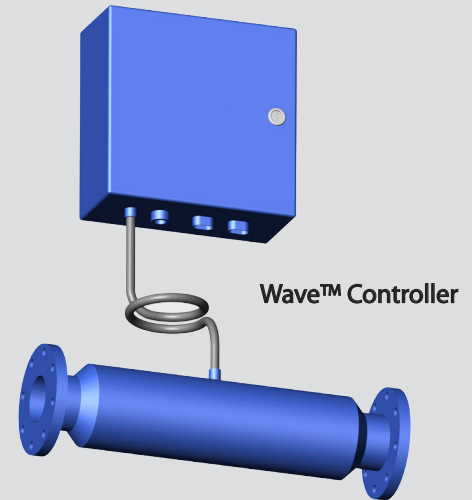
- ⇒ **Full Flow - Treatment (TSS-A)**
  - Wave™ unit on the system full flow line
  - Separator
  - Basin sweeping system (optional)
- ⇒ **Side Stream Flow - Treatment (TSS-B)**
  - Wave™ unit on the side stream line
  - Separator
  - Basin sweeping system (optional)
- ⇒ **Treatment (TSS-C)**
  - Closed Loop Treatment
  - Controls biological growth without chemicals
- ⇒ **Remote Monitoring**
  - Tower Sentry Monitor™
  - Affordable Remote Monitoring provides Daily

### TECHNICAL DETAILS AVAILABLE ON REQUEST

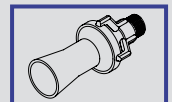


Schedule  
Contract GS-07F-0234X

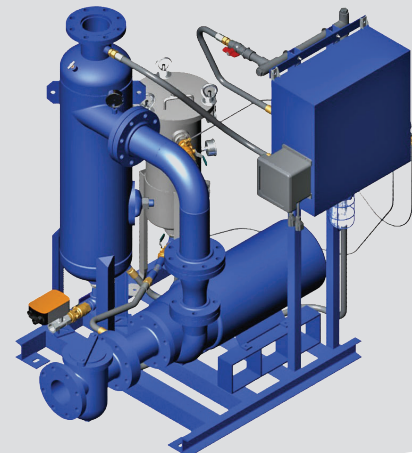
Our packaged tower sentry system includes a conductivity controller, blowdown valve, and corrosion coupon rack in addition to the components below:



BASIN SWEEPER EDUCTOR  
or use our greenline sweeper  
system without eductors



Separator System and Solids Purging



#### PROPOSALS & ENGINEERING

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#### CUSTOMER SERVICE & MANUFACTURING

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