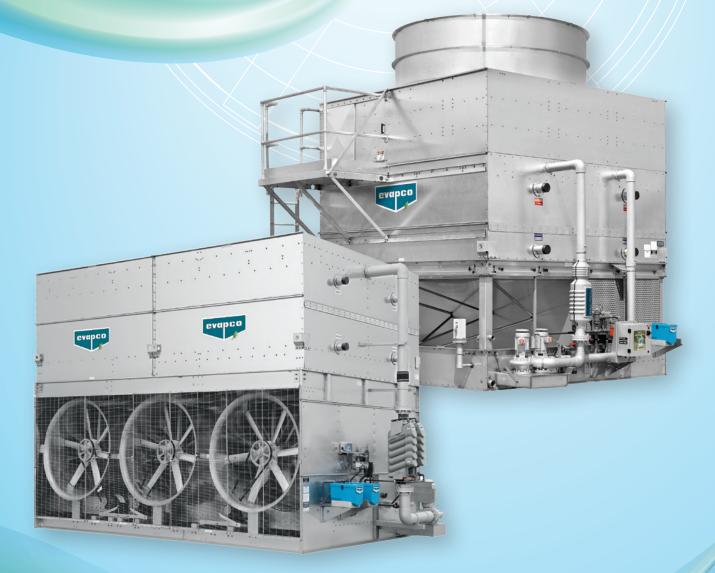
EVAPCO FOR LIFE

Bulletin 950-E Metric

Innovative Water Treatment Systems for Evaporative Cooling





Since 1976 An Employee-Owned Company Commercial HVAC | Process Cooling Industrial Refrigeration | Power

EVAPCO Water Systems

The Sustainable Water Treatment Solution with a Single Source Responsibility

Automatic Bleed Control

The automatic bleed control system (Figure 1) is an essential part in EVAPCO Water Systems (Smart Shield® and Pulse~Pure® PLUS) and is used for precise control of the total dissolved solids level of the recirculating water in cooling systems.

The implementation of this monitoring system is a key element for control of the water efficiency.



Fig. 1: Automatic Bleed Controlle

Pulse~Pure® PLUS (Figure 2) is a total solution that combines proven best-in-class green technology with dependable and reliable water treatment service.

This hybrid* technology eliminates scale, prevents bacterial growth, and inhibits corrosion.

Pulse~Pure[®] PLUS

The Pulse~Pure® PLUS is designed to pair with EVAPCO automatic bleed control system for a complete package, including service by an EVAPCO authorized service provider.

Fig. 2: Pulse~Pure® PLUS Application

People

Fig. 4: Smart Shield® on Cooling Tower Application

- Reduced employee chemical exposure
- Cleaner mechanical room and saves facility floor space
- No liquids to spill less risks of slips and falls
- Safer, lighter, and easier product refilling in case of Smart Shield®

Planet

 \checkmark

 \checkmark \checkmark

- Reduced water usage
- No rinsing of drums required



- Reduced Total Cost of Operation
 - Reduced chemical costs and water usage
 - Less maintenance required (no moving parts or pumps)
- Reduced weight equals reduced shipping costs
- EVAPCO's Factory & Skid Mounted equipment saves time during installation & commissioning
- No drum disposal costs or containment required

Water Treatment Comparison

| Parameter | Conventional Technology | Smart Shield® | Pulse~Pure® PLUS* |
|----------------------------|----------------------------|-----------------|-----------------------|
| Type of Water Treatment | Liquid Chemicals | Solid Chemistry | Pulsed Electric Field |
| Chemical Storage | | | |
| Total Cost of Ownership | | | |
| - Capital Investment | | | |
| - Minimize Maintenance | | | |
| - Low Chemical Costs | | | |
| - Reduced Water Usage | | | |
| Safety Level | | | |
| Lower Environmental Impact | | | |
| Reduced Risk Potential | \blacklozenge | | |

* Additional biocide dosage is available depending on the local biocide regulation and Legionella legislation

Poor







Smart Shield[®]

Smart Shield® makes it easy for you to use solid water treatment chemical products. Solid product technology offers a variety of environmental, safety and simplicity benefits.





Fig. 3: Smart Shield® on Condenser Application

EVAPCO Smart Shield® is Factory Mounted on coil products (Figure 3) and/or Skid Mounted for cooling towers and remote sump designs (Figure 4).

EVAPCO Water Systems are Sustainable...

Reduce carbon footprint substantially over traditional liquid chemistry 50-90% reduction in shipping weight equals reduced fuel usage and CO₂ emissions



-LIFE



EVAPCO, Inc. — World Headquarters & Research / Development Center

Get to know EVAPCO

- The global innovator in heat transfer solutions
- Serving the commercial HVAC, Industrial Refrigeration, Power Generation and Industrial Processing markets
- Founded in 1976
- Employee-owned
- 22 manufacturing facilities in 10 countries
- More than 170 sales offices worldwide

Contact your local EVAPCO Sales Representative or EVAPCO Headquarters for more information.

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