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.

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 Application
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.

Water Treatment Comparison

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Conventional Technology</th>
<th>Smart Shield®</th>
<th>Pulse~Pure® PLUS*</th>
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</thead>
<tbody>
<tr>
<td>Type of Water Treatment</td>
<td>Liquid Chemicals</td>
<td>Solid Chemistry</td>
<td>Pulsed Electric Field</td>
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<td>Chemical Storage</td>
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<tr>
<td>Total Cost of Ownership</td>
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<td>- Capital Investment</td>
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<td>- Minimize Maintenance</td>
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<td>- Low Chemical Costs</td>
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<td>- Reduced Water Usage</td>
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<td>Safety Level</td>
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<td>Lower Environmental Impact</td>
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<td>Reduced Risk Potential</td>
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* Additional biocide dosage is available depending on the local biocide regulation and Legionella legislation

People
- 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
- Reduce carbon footprint substantially over traditional liquid chemistry
- 50-90% reduction in shipping weight equals reduced fuel usage and CO2 emissions
- Reduced water usage
- No rinsing of drums required

Profit
- 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

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.

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