

Do Non-Chemical Devices Work?

Short Answer – No!

MB0510



Outlet of Electrostatic Device
Corrosion Products Deposit (Rust)

Various catalytic, electromagnetic, electrostatic, pulsed power, magnetic, and hydrodynamic “devices” are heavily marketed as “green” technology for control of corrosion, scale, deposition and biological fouling in evaporative cooling towers. Thousands of these devices have been sold in the past 75 years, none have worked as claimed.

What about all the testimonials provided from satisfied customers?

Most testimonials are from short term use of the devices and water system problems take time to become evident. Corrosion takes time to make holes in pipes and scale builds slowly, often in concealed areas.

Laboratory and operational studies are often provided as proof that the device works as claimed.

No credible laboratory, or operational, study exists that proves the devices work as claimed. In fact, every credible study undertaken has shown the devices to have no measurable effect on corrosion, scale, deposition or biological fouling. Corrosion coupon and mass balance studies can provide scientific proof if a device is “working”, before the pipes rust out or the cooling tower plugs up with scale. We would be pleased to provide such studies to anyone who believes they have a device that works.

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