

SCALE BLASTER®

The healthy alternative to water softeners

MineralPURE®

**Cooling Tower Ionization System
Model # CT-225**



Premium Model — handles up to a 1800-ton system

CLM-261

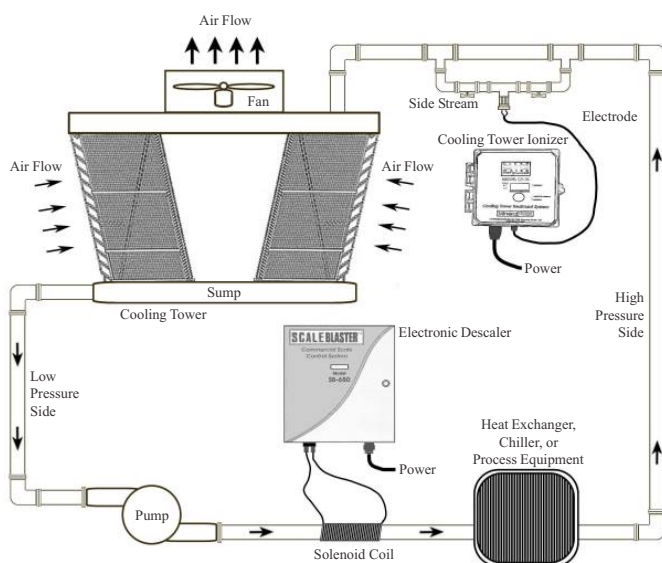
Copper/Silver Ionization for Cooling Towers

ScaleBlaster, Inc., recommends using the Copper/Silver ionization system in conjunction with ScaleBlaster, the electronic descaler. When used together, the following benefits can be expected:

- Dramatically reduces chemical & water usage
- Kills algae, biofilm, fungi & other microorganisms
- Removes existing scale & prevents new scale formation
- Reduces corrosion pitting and MIC (Microbiologically induced Corrosion)
- Kills harmful bacteria- including Legionnaire's Disease
- Provides for an increase of heat transfer in systems:
 - Chillers operate at design approach temperatures and efficiencies
 - Cooling Tower fill material stays clean and free of scale build-up
 - Heat exchangers stay clean and heat transfer is maximized
- Virtually eliminate chlorine, biocides, acids, inorganic phosphates & similar compounds
- Reduced equipment maintenance & down time
- Reduces sewer cost for discharged water
- Dramatically reduces electrical demand & consumption as efficiency of chiller is improved runs less loaded and cycles off more often

HOW THE **SCALEBLASTER, INC.**, COOLING TOWER TREATMENT SYSTEM IS INSTALLED.

Typical Installation



The *ScaleBlaster, Inc.*, Copper/Silver Ion generator releases controlled amounts of copper and silver ions into the water to kill algae, biofilm, fungi and other microorganisms. It is a well-documented fact that copper and silver ions kill algae, bacteria, viruses and even Legionnaire's Disease. These ions provide long term, nontoxic purification and prevent any recontamination. They maintain a continuous disinfection process automatically while allowing you to reduce chemical usage dramatically. This will prevent plugged water passages and severe deterioration of metal

CT-225 IONIZER SPECIFICATION SHEET

COOLING TOWER SIZE: up to 1800 ton system

INPUT VOLTAGE: 115 VAC, +/- 10%, 50 or 60 HZ

230 VAC, +/- 10%, 50 or 60 HZ

(Input voltage must be internally selected)

INPUT CURRENT: 675 mA @ 115 VAC

345 mA @ 230 VAC

INPUT POWER: 84 watts

OUTPUT VOLTAGE: 18 VDC Peak

OUTPUT CURRENT: 0 TO 1000 mA, in 25 mA increments per channel (three)

CIRCUIT PROTECTION: internal input fuse, voltage spike and surge suppression

FUSE: Four (4) 250 mA, 5 X 20 mm, slow blo (acceptable replacement Radio Shack stock number 270-1061)

IONIZATION METHOD: electrolysis of copper/silver alloy electrodes by a microprocessor control circuit

ELECTRODE: three (3) sets 7" long, 90% copper and 10% silver

ELECTRODE CHAMBER: three (3) sets of 3" pipe size schedule 80 with clear extension unless otherwise specified

ENCLOSURE: weather resistant NEMA 12 rated high impact corrosion resistant thermoplastic with hinged polycarbonate cover

ENCLOSURE DIMENSIONS: 8 1/2" x 12" x 6" (w x h x d including mounting brackets)

OPERATING TEMPERATURE RANGE: 32 - 140 degrees F

WARRANTY: 5 years, parts and labor - excluding electrodes

SHIPPING WEIGHT: 48 lbs.

CARTON DIMENSIONS: 24 cube