

SCALE BLASTER®

The healthy alternative to water softeners

MineralPURE®

**Cooling Tower Ionization System
Model # CT-75**



Premium Model — handles up to a 600-ton system

CLM-259

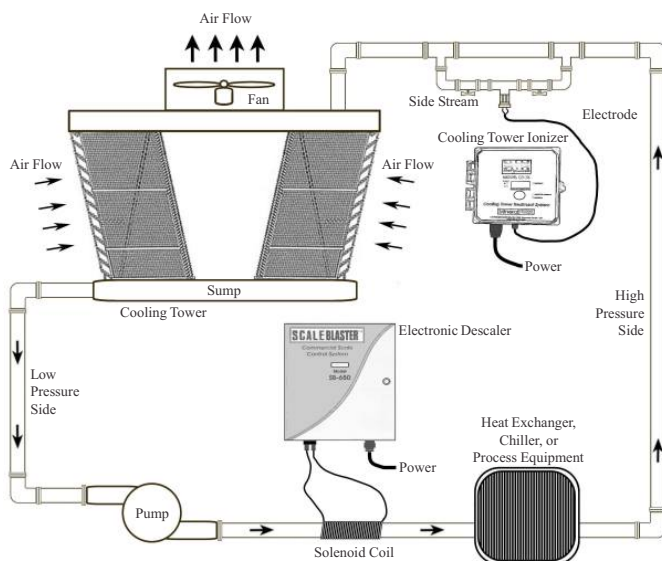
Copper/Silver Ionization for Cooling Towers

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-75 IONIZER SPECIFICATION SHEET

COOLING TOWER SIZE: up to 100 ton system (4320 gallon makeup)

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

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

(Input voltage must be internally selected)

INPUT CURRENT: 225 mA @ 115 VAC

115 mA @ 230 VAC

INPUT POWER: 23 watts

OUTPUT VOLTAGE: 25 VDC

OUTPUT CURRENT: 0 TO 1000 mA, in 25 mA increments

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

FUSE: Two (2) 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: one set 7", 90% copper and 10% silver

ELECTRODE CHAMBER: 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 10 x 6 inches (w x h x d including mounting brackets)

OPERATING TEMPERATURE RANGE: 32 - 110 degrees F

WARRANTY: 5 years, parts and labor - excluding electrodes

SHIPPING WEIGHT: 13.5 lb.

CARTON DIMENSIONS: 22 1/4" x 11 1/4" x 6 5/16"

ENCLOSURE DIMENSIONS: 4 3/4" x 3" x 2 3/8"