

# SCALE BLASTER®

*The healthy alternative to water softeners*

## MineralPURE®

**Cooling Tower Ionization System  
Model # CT-150**



**Premium Model — handles up to a 1200-ton system**

CLM-260

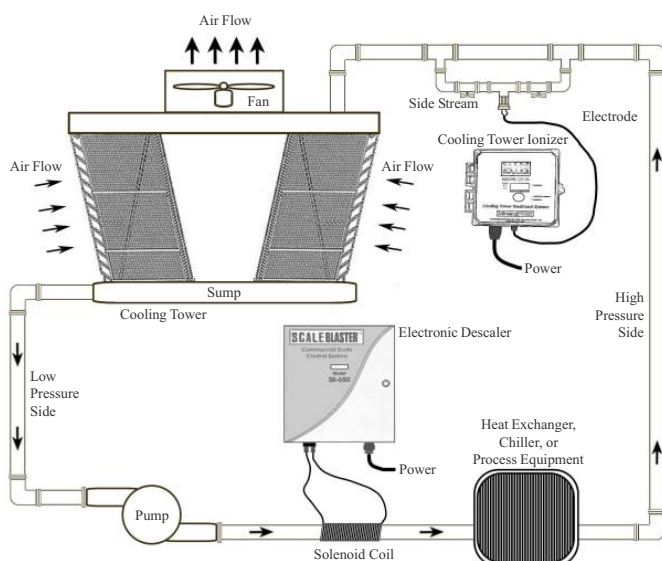
# Copper/Silver Ionization for Cooling Towers

*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



## COOLING TOWER TREATMENT SYSTEM



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-150 IONIZER SPECIFICATION SHEET

**COOLING TOWER SIZE:** up to 1200 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:** 450 mA @ 115 VAC  
230 mA @ 230 VAC

**INPUT POWER:** 56 watts

**OUTPUT VOLTAGE:** 18 VDC Peak

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

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

**FUSE:** Three (3) 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:** two (2) sets 7" long, 90% copper and 10% silver

**ELECTRODE CHAMBER:** a pair 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 inches (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:** 34 lb. (3" tees) or 36 lb. (4" tees)

**CARTON DIMENSIONS:** 18 cube (3" tee); 20 cube (4" tee)