

# AQUATEC DS-220

2011

Scale Remover for Heating & Cooling Systems



## DESCRIPTION

**AQUATEC DS-220** (f.k.a **AQUATRON S-220**) is a blend of non-fuming scale conditioner and corrosion inhibitors, designed for effective descaling of cooling towers, condensers, air washer and all boiler systems.

**AQUATEC DS-220** contains an exclusive color system that monitors the state of the descaling solution.

## APPLICATIONS

**AQUATEC DS-220** will remove scale and rust, returning the system to maximum energy efficiency and operating condition.

**AQUATEC DS-220** is used in all steam and hot water boilers, heat exchangers, hot water heaters, cooling towers, and evaporative coolers. If as little as 1/32 inch of scale is present on heat transfer surfaces of any water cooled or water heating system, energy is being wasted.

## PRODUCT BENEFITS

- Restores systems to the maximum level of energy efficiency.
- Does not produce dangerous corrosive fumes.
- Non-corrosive.
- Safe to use on steel, copper, brass, bronze, aluminum, and wood.
- Dissolves scale and rust for easy removal.
- Colour coded to ensure complete descaling.
- Contains no volatile organic acids.
- Safer to use.
- Easy to use.
- Saves labour costs.

## PHYSICAL PROPERTIES

Appearance.....	Fluid Liquid
pH (10% solution) .....	Less than 1.0
Density .....	1.405
Flash Point .....	Non-flammable

## APPROVALS

**AQUATEC DS-220** is USDA listed for use in all plants operating under the USDA Poultry, Meat, Rabbit, and Egg products Inspection Programs. Acceptance letter is on file in the home office.

## DIRECTIONS FOR USE

### **BOILERS:**

Drain, flush completely, and refill boiler with clean water. Open vent or remove top inspection cover.

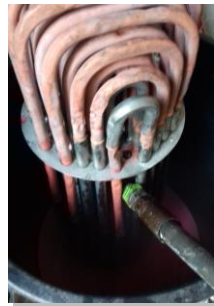
- Light scale, add 1 part of **AQUATEC DS-220** to 20 parts of water in boiler.
- Heavy scale, add 1 part of **AQUATEC DS-220** to 10 parts of water in boiler.

Add additional water to cover tubes completely, if necessary. Fire boiler on low fire to heat **AQUATEC DS-220** solution and recirculate. Do not allow to boil. Fresh solutions of **AQUATEC DS-220** will be red. The strength is used up when the color changes to blue. If solution turns blue and scale remains, repeat the procedure. When system is scale-free, flush and rinse thoroughly. Refill with fresh water and add 3 days dose of the recommended AQUATEC boilers water treatment.



**COOLING TOWERS:**

Completely drain system, including sump, heat exchanger, and all recirculating lines. Flush all loose debris from system and refill with fresh water. Add **AQUATEC DS-220** at the rate of 1 part to 25 parts water in the entire system. The solution will be red. Operate system normally for 24H with bleed shut off. If solution turns blue within 24H, additional scale is present. Add an additional 1 part **AQUATEC DS-220** to 25 parts water in the system. If solution turns blue within 24 hours, repeat step above. After scale is removed, drain system, flush, and refill with fresh water. Add the recommended AQUATEC cooling tower treatment and resume normal operation.



**STORAGE & SAFETY**

Two years, stored in closed original packaging in a cool and dry environment. Harmful if swallowed. Corrosive to eyes and skin. Wear protective gloves and glasses.

For further information please refer to the Safety Data Sheet.

**PACKAGING**

Ref: A-2011-O2 ..... Pail 25L

**WARRANTY**

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