



AQUATRON S-500 NV

Boiler and Cooling Tower Descaler

DESCRIPTION

AQUATRON S-500 NV is a highly concentrated, fast-acting descaler for fast removal of rust, scale, slime, hard water deposits, lime, milkstone, magnesium deposits, etc.

APPLICATIONS

All process air conditioning and heating systems including boilers, cooling towers, heat exchangers, condensers, and similar equipment. For use by manufacturing operations, hospitals, hotels, schools, and other commercial operations.

PRODUCT BENEFITS

- Descales most systems in 4 to 6 hours
- Non corrosive to metal, wood, paint, and rubber
- Easy to use liquid
- Increase overall efficiency
- Dissolves scales and rust
- Minimizes downtime
- No time consuming scraping

PHYSICAL PROPERTIES

Appearance	Liquid
Colour	Red / Violet
Type	Hydrogen chloride inhibited descaler
pH	< 2
Specific Gravity	1.1 ± 0.1
Flammability	Non-Flammable

DIRECTIONS

For Descaling Boilers:

For initial descaling, mix 1 part **AQUATRON S-500 NV** with 7 parts water in the system. Later cleaning may require less concentration. Isolate unit to be cleaned by “slip blinding” or by using “boiler-maker blinds” to protect valves and avoid possible contamination of the rest of system.

Provide good ventilation in boiler room and vent to outside. Fill boiler three –fourths full of water. Add **AQUATRON S-500 NV** through manhole or pump into boiler. Leave manhole open. Add more water but allow about a foot of headspace.

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TDS 9329 / 002 – 23/12/2015

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The ORAPI Group designs, manufactures and markets “ Highly Technical Solutions” for Maintenance Repair and overhaul of machines and equipments. The Group is present in over 100 countries with 32 subsidiaries and an international network of import-distributors. The Group operates 7 manufacturing plants and 4 laboratories of R&D. ORAPI is certified ISO 9001 and ISO 14001.

Heat the water 60° - 88°C (140° -190°F) for a period of 4 hours and then check tubes. If descaling is not completed, refill the boiler with water and **AQUATRON S-500 NV** at a 1 to 7 ratio. Heat for another 4 hours period until all scale is removed.

Drain the boiler and flush with water pressure to remove sludge and scale. Drain and fill the boiler at least three times. After last draining, fill with water, close vents and manholes and add proper **AQUATRON** boiler treatment for continued boiler operation.

For Descaling Cooling Towers:

Shut tower down and use high pressure water to hose out mud, silt, and slime. Isolate unit to be de-scaled by "slip blinding" or by using "boiler-maker blinds" to protect valves and avoid possible contamination of rest of system.

Lower water level to just the amount required for circulation. Add 1 gallon of **AQUATRON S-500 NV** for 18 gallons of water in tower.

Add the descaler slowly, a few gallons at a time to reduce tendency to foam. If the foam is excessive, add some **AQUATRON XF-111** Defoamer. Foaming indicates that the descaler is dissolving scale. If the water is less than 32°C (90°F), add enough **AQUATRON S-500 NV** to maintain pH from 1.5 to 2.5. When the water can be heated using steam, heat to 60°C(140°F) and add enough **AQUATRON S-500 NV** to maintain pH from 2.0 to 3.0. Continue adding as required, to maintain proper pH level for about 4 hours.

When pH stops dropping stay at the proper level for 2 hours, drain system and flush. Drain, flush and fill twice and check pH of water to be certain that all **AQUATRON S-500 NV** has been removed.

Refill with water, add the proper amount of the correct **AQUATRON** treatment.

NOTICE: Any method of descaling either boilers or towers will dissolve scale that may be plugging areas that are already leaking due to rust or other corrosion; therefore no liability can be assumed.

STORAGE & SAFETY

Two years, stored in closed original packaging in a cool and dry environment.

WARNING: Corrosive to eyes and skin. Always use gloves and goggles when handling this product. Do not inhale vapours. Use in well ventilated area.

For further information please refer to the Material Safety Data Sheet.

PACKAGING

Ref. O-9329-U2	Drum 205L
Ref. O-9329-O2	Pail 25L

WARRANTY

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