

TREATMENT FOR CLOSED CHILLED/HOT WATER SYSTEMS



Ty-Ion® B20 is a liquid nitrite-borax corrosion inhibitor and dispersant for closed systems. It combines corrosion inhibitors, including a copper corrosion inhibitor, a unique copolymer dispersant, and a color indicator into a complete treatment for both hot and chilled water closed systems containing ferrous and non-ferrous metal components. The color indicator facilitates leak detection and proper treatment residuals. Part Numbers are: 7537-24 (quart) and 7537-05 (5-gallon pail).

DOSAGE: Clean system - Use 1 gallon of B20 for every 100 gallons of system water. Add through any convenient charging vessel, or use the Nu-Calgon Silver King Pump. Fouled system - Clean-up with B20, using 3-gallons for every 100 gallons of system water. After 4-6 weeks, flush and add fresh B20 at 1-gallon per 100 gallons. You may also use System Cleaner as described below.

TREATMENT FOR LOW-MAKEUP STEAM HEATING BOILERS



Ty-Ion® B14A is an all-in-one product boiler treatment that controls boiler scale and corrosion and condensate line corrosion in low pressure steam heating boilers where most of the condensate is returned. Ty-Ion B14A is chromate-free and it contains a color indicator for visual determination of treatment residual. It's balanced formulation provides an energy efficient operation of the heating plant. It is a simple, easy-to-use product in one package. Part Number is 7519-05.

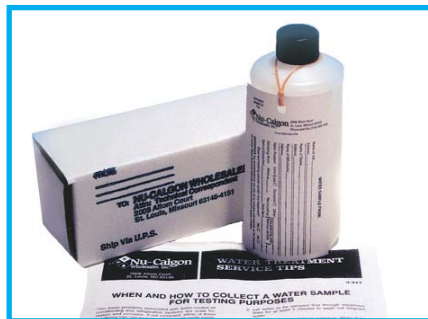
DOSAGE: After cleaning the steam boiler, use 1-gallon for every 250 gallons of boiler water. Add ½ the initial charge at first, adding slowly to system. Follow up in two weeks with remaining dosage.

TREATMENT FOR CLEANING EQUIPMENT SURFACES



System Cleaner is a balanced liquid formulation of industrial cleaners, alkalinity buffering agents and surfactants. It is designed specifically for cleaning equipment surfaces fouled by cutting oils, grease, lubricants, corrosion products and similar deposits. It is ideal for cleaning new closed, chilled or hot water systems prior to the system being placed into service, and it is also recommended for cleaning existing systems fouled with corrosion. Can also be used as an acid neutralizer. Part Number is 4370-08.

FREE WATER ANALYSIS SERVICE FOR BACK-UP SUPPORT



Free Water Analysis Service to Support Your Efforts. Use Nu-Calgon's free water analysis service at your own convenience to support your preventative maintenance programs. Water sample bottles are available at your local wholesaler location. Part Number is 4995-0.



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See Inside for Simple Instructions



NU-CALGON
Simple Treat
WATER TREATMENT PROGRAM

CLEANING COOLING TOWERS & EVAPORATIVE CONDENSERS PRIOR TO TREATMENT



Liquid Scale Dissolver is a hydrochloric (muriatic) acid that is formulated to safely remove lime scale deposits from cooling towers and evaporative condensers. It is very economical, plus it includes a pH color indicator to guide the cleaning process. In addition, it provides the utmost in safety due to its low foaming capability.

To demonstrate its greater low foaming properties, Nu-Calgon Liquid Scale Dissolver was added to a beaker containing lime scale while a leading competitive liquid product was added to another beaker with an equal amount of lime scale. See the difference for yourself.



DOSAGE: Use 1 gallon for every 20 gallons of system water and follow the color indicator built into the product. If water volume is not known, use 1 gallon for every 5 tons of capacity. Part Numbers are: 4330-08 (gallon) and 4330-05 (5-gallon pail). The powdered Season Start may also be used at a rate of 4 lbs. for every 20 gallons of system water as an initial charge. Part Numbers are: 4360-88 (10 lb. container) and 4360-84 (50 lb. pail).

TREATMENT FOR COOLING TOWERS & EVAPORATIVE CONDENSERS



A Regular Program of Water Treatment in Cooling Water Systems is Vital! Trouble in Cooling Water Systems can be avoided by initiating simple preventative maintenance procedures. There will be fewer headaches and rush calls during hot weather. Proper water treatment and preventative maintenance will make your job easier, save you time, keep customers happy, and help build a quality reputation for you and your company.

Preventative maintenance doesn't cost . . . it pays. Customers are satisfied, your reputation is enhanced.

....TREATMENT FOR SYSTEMS UP TO 30 TONS



Simple treatment for small towers . . . prevents scale and corrosion . . . all in one, easy-to-use, self-feeding package. Its flow through package design makes it simple to treat the water and prevent scale and the associated problems that go along with it. It's as simple as unwrapping the package and placing it in the sump in an area of good water flow. Once you've begun treatment, you can forget about it until next year . . . the treatment lasts the entire season. Use one canister for every 10 tons of tower capacity. Part Number is 4364-88.

....TREATMENT FOR SYSTEMS OVER 30 TONS

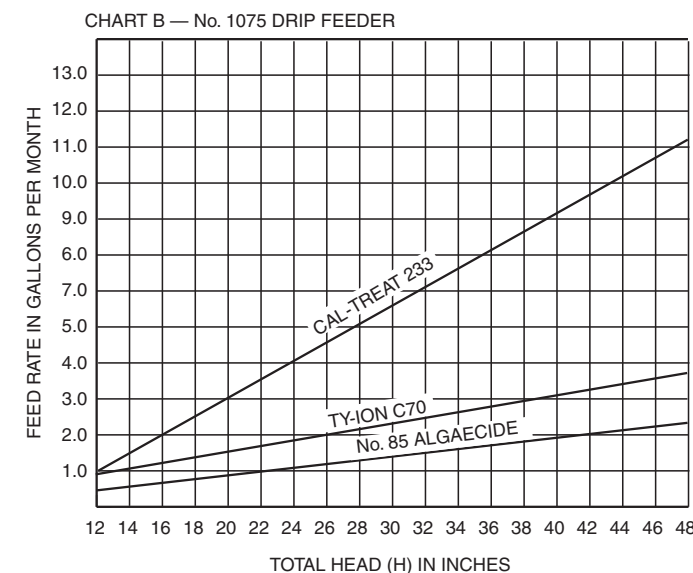
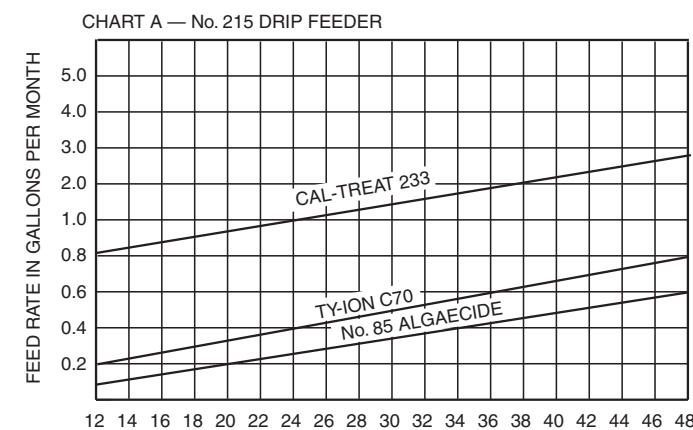
Treatment for larger cooling towers and evaporative condensers is as easy as 1-2-3 under the Simple Treat Program. Use of Nu-Calgon's Ty-Ion® C70* and a simple bleed will be all that is needed. Ty-Ion C70 is a complete product, formulated to inhibit scale in all waters . . . even those with extremely high hardness and alkalinity. It also contains a silt dispersant to keep the tower clean and inhibitors to protect copper, steel and other metals. Here is all you need to do for every 50 tons of capacity:



- maintain a simple bleed equal to $\frac{3}{4}$ gpm for every 50 tons of capacity
- use $1\frac{1}{2}$ gallons of C70* per month for every 50 tons of capacity

EXAMPLE: A 40 ton tower would require a bleed of 0.6 gpm and a monthly C70* usage of 1.2 gallons. A 100 ton tower would require a bleed of $1\frac{1}{2}$ gpm and monthly C70 usage equal to 3 gallons. Part Number is 7597-05.

Follow these simple instructions in order to Drip Feed Ty-Ion C70*



1 Establish the tonnage of the system as accurately as possible.

2 Set up a bleed equal to $\frac{3}{4}$ gpm for every 50 tons. This is a must as it is important to carry away scale-forming minerals that have been tied up by the C70.

3 Determine the monthly usage of Ty-Ion C70* based on the requirement of $1\frac{1}{2}$ gallons per month for every 50 tons.

4 Consult drip feeder charts to the left to see which one (#215 or #1075) will handle the monthly requirement of C70.

5 From the monthly requirement, go across the chart to the point where that value intersects the C70* feed line. From there go down to read the head length (H) in inches at which the drip feeder must be set. Follow the simple "set up" instructions provided with each drip feeder.

6 Hang the 5-gallon pail of C70* on the tower, using the Nu-Calgon C-284-5 bracket or similar device and set up the drip feeder.

7 If algae or slime are problems, drip feed No. 85 Algaecide in the same fashion, using $\frac{1}{4}$ gallons per month for every 50 tons. Part Number is 4108-08.

*In a very few locations, such as New York City, Boston and San Francisco, the water is corrosive and Cal-Treat 233 should be used instead of C70. Follow the same directions above, using 2 gallons per month of Cal-Treat 233 for every 50 tons and a bleed of 0.2 gpm for every 50 tons. Consult your wholesaler or Nu-Calgon representative for assistance. Part Number is 4149-05.