



GREENEX™ COOLING SYSTEM DETOX INSTRUCTION

SCALE INHIBITOR COOLING WATER ADDITIVE

Preparatory Steps before Using GREENEX™ CSD

1. All other chemicals which may have been used previously should be stopped before using the product. (no system cleaning is required)
2. Shut off blow down, no bleed off is required prior to use **GREENEX™ CSD**
3. Calculate the proper monthly dosage for each cooling towers.

How to Calculate and Administer GREENEX™ CSD Dosage

1. The system volume of water is used to calculate the optimum dosage of **GREENEX™ CSD** (evaporative loss and make up water need not be taken into consideration).

Sample of Calculation

The system volume of Hotel A is 100 m³

The suggested dosage of **GREENEX™ CSD** is 500 ppm/week (0.5 Liter (or 500 cc) / system volume 1 m³)

Therefore the amount of **GREENEX™ CSD** to be used is 100 X 0.5 Liter

Equals to 50 Liter/week, 50x4 = 200 Liters/month

2. How to administer the product into the system.
It is recommended that for the first 2 months the **GREENEX™ CSD** should be manually administered into the basin weekly by taking the monthly product dosage and divided by four.

Sample

GREENEX™ CSD monthly dosage for Hotel A is 200 Liter/month

Weekly dosage is 200 Liter/4

Equals to 50 Liter/week

Further Recommendations

1. A simple filter system, such as side stream filter, should be implemented where the system blow down/bleed off take place to filter the dissolved scale and other particles which may be washed off as the result of the cleaning process.
2. 2 Week after the initial administration of **GREENEX™ CSD** when old scale start to come off the system wall, it is recommended that special attention should be paid in filtering and collecting such particles from the system (this should be done on a weekly basis).
3. After 2 months, it is advised to carry out a shut-down cleaning. By using high pressure water cleaning on the fill media, old scale deposited on the system walls should become loose and detach. Further cleaning of the basin and strainers should also be carried out at this time.
4. After 2 months and the system has been cleaned, it is possible to apply the product on a daily basis by dividing the monthly dosage by 30 or if it is more convenient **GREENEX™ CSD** may be applied weekly or monthly as in the initial period.

Sample

GREENEX™ CSD monthly dosage for Hotel A is 200 Litre/month

Daily dosage is 200 Litre/30day

Equals to 6.67 Litre/day

Note

In case the system volume of water is not known, it may be estimated by calculating the length of the piping system and diameter of piping (Main pipe X 2_calulate from tower to chiller machine) plus water in cooling tower

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