ESSENTIAL CHEMICAL

Scale Destroyer Cooling Towers Cleaning Procedure:

For a successful cleaning process, please reach out to the Essential Chemicals technical team before beginning the system cleaning process.

1. Turn off or close make up water valve to the tower basin.
2. Turn off all chemical or non-chemical water treatment, conductivity meters and pH meters.
3. Please remove all current water scale, lime, mud, rust and other foreign matters be manually removed from tower basin prior to starting the cleaning.
4. Reduce the water level in the tower basin to a point where the pump can maintain circulation without cavitation and close the bleed-off valve.
5. Essential chemical recommends that the fans be turned off during cleaning.
6. Determine the proper amount of Scale Destroyer to be added to the system. Please note that the amounts recommended in the chart are just guidelines and that your application may require 1.5-3 times the chart amount, depending on the amount of the deposit build-up in your system.
7. To minimize excessive foaming, you may slowly add small amounts of Scale Destroyer to the tower basin. Essential Chemical also offers a defoaming agent, chemical AM 365. Please contact us with any questions.
8. Bubbles and foaming are a natural reaction of the Scale Destroyer dissolving the water formed with mineral deposits

within the system. Add a small amount of our defoamer AM 365.
9. Now that the Scale Destroyer is circulating, start charting your pH levels. Allow the Scale Destroyer to circulate through the entire system for 3-4 hours. If Scale Destroyer is consumed or disbursed within the 3-4 circulation time-period and there is still scale or deposits repeat steps 6-9 to continue and complete cleaning. In some cases, if the scale or deposit build up is severe you may have to run this process all over again to achieve the desired cleaning levels.
10. Essential chemical recommends after cleaning is completed to completely raise out the system with fresh water and the Scale Destroyer formula solution be cycled out of the system to prepare it for normal operation. We recommend strainers, catch basin areas, screens and any visible loose materials should also be removed, viewed and cleaned as well.
11. Once the cleaning in the tower system is complete, turn your conductivity, pH meters or any other equipment back on. Return the make-up water and bleed off valves per the manufacturer's recommendations. Finally, resume normal system operation.

Please Note: Scale Destroyer is safe, but the application of Scale Destroyer products may uncover or show pre-existing under deposit corrosion (holes, pitting or similar damage) that can result in leaks in pipes, equipment or systems.