

Topic: Ice Tube Industries by Hafiz

980ils Product	GREENEX R&S F1 and CSD
Application	Treatment CT
Customer	CENTRAL ES SINDUR, Bogor
Fluid/ Existing	Filtered water and Caustic Soda
Machine	EC HEATAWAY ECF2000S (PATKOL) and WRXD 1200B (Hung Three)
Water Capacity	12000 L and 9000 L
Customer Requirement	No Rust and Scale on EC Steeltube

Issue/Problems :

- This machines already using RO water, but some scale still presents in Evaporative Condenser machine.
- This factory already run for 1,5 years. With new machine and using RO water, but scale and rust start to appear.



Solution:

- 1) **Because they use RO water, we use Greenex CSD 3 L/week** (12000:4000 or 250 ppm) in HEATAWAY EC.
- 2) **WRXB EC we use Greenex CSD 2,5 L/week** (9000:4000 or 250 ppm) .

Result:

After 1 month observation, Evaporative Condenser is very clean. No scale deposit at steeltube



980ils Product	GREENEX R&S F1
Application	Descaling
Customer	SENTRAL ES SINDUR, Bogor
Fluid/ Existing method	Pressured water jet and Caustic Soda
Machine	PK Freezer 80T
Customer Requirement	No scale without damage to part

Issue/Problems



1. Picture of nozzle inside freezer machine. Material made from nylon.
2. Change every 2-3 month.
3. User try to clean using caustic soda, but it damages the material. Not reuseable.



4. Picture of filter for intake water for freezer machine.
5. Change every 3 month.
6. Cleaning using jet steam.
7. After using jet steam, some material will be damaged because of pressured water.

Solution: using 20% Greenex R&S F1 to dip the nozzle and filter for 30 minutes



Result :

